

DL Assignment 1-Group 299

Question No.2.

Dataset: data2_1.0_5.csv Download [data2_1.0_5.csv](#)

Load the attached csv file in python. Each row consists of feature 1, feature 2, class label.

Train two single/double hidden layer deep networks by varying the number of hidden nodes (4, 8, 12, 16) in each layer with 70% training and 30% validation data. Use appropriate learning rate, activation, and loss functions and also mention the reason for choosing the same. Report, compare, and explain the observed accuracy and minimum loss achieved. [0.5+1 mark]

Visually observe the dataset and design an appropriate feature transformation (derived feature) such that after feature transformation, the dataset can be classified using a minimal network architecture (minimum number of parameters). Design, train this minimal network, and report training and validation errors, and trained parameters of the network. Use 70% training and 30% validation data, appropriate learning rate, activation and loss functions. Explain the final results. [1+1+0.5 marks]

-- coding: utf-8 --

Indentation: Jupyter Notebook

```
version='1.0.0' author="Sourav Raj, Nitin Agarwal, Anusha linda kostka j e"  
email="2020sc04304@wilp.bits-pilani.ac.in; 2020sc04557@wilp.bits-pilani.ac.in;  
2020sc04900@wilp.bits-pilani.ac.in"
```

```
In [14]:  
import pandas as pd  
import matplotlib.pyplot as plt  
import seaborn as sns  
import numpy as np  
import random  
import warnings  
warnings.filterwarnings('ignore')  
  
from sklearn.model_selection import train_test_split  
from sklearn.preprocessing import StandardScaler, MinMaxScaler  
  
# ANN  
import keras  
import tensorflow as tf  
from keras.callbacks import ModelCheckpoint  
from keras.models import Sequential  
from keras.layers import BatchNormalization  
from keras.layers import Dense, Activation, Flatten, Dropout, Input  
from keras.callbacks import ReduceLROnPlateau  
from keras.callbacks import EarlyStopping  
from tensorflow.keras.optimizers import Adam, SGD  
from keras.callbacks import ModelCheckpoint
```

```
from keras.callbacks import ReduceLROnPlateau
from keras.callbacks import EarlyStopping
```

In [2]:

```
random.seed(42)          # Initialize the random number generator.
np.random.seed(42)        # With the seed reset, the same set of
                          # numbers will appear every time.
#tf.set_random_seed(42)    # sets the graph-level random seed
tf.random.set_seed(42)
```

Import data

In [3]:

```
# If running on google colab other wise skip this cell code
from google.colab import files
import io
uploaded = files.upload()

df = pd.read_csv(io.BytesIO(uploaded['data2_1.0_5.csv']))
```

Choose Files No file chosen Upload widget is only available when the cell has been executed in the current browser session. Please rerun this cell to enable.
Saving data2_1.0_5.csv to data2_1.0_5.csv

In [4]:

```
data=pd.read_csv('data2_1.0_5.csv')
data.columns=['feature1', 'feature2', 'class']
print(data.shape)
data.head(2)
```

(498, 3)

Out[4]:

	feature1	feature2	class
0	0.224371	0.028460	0
1	0.284088	0.054416	0

Data Exploration

In [5]:

```
data.info()
```

<class 'pandas.core.frame.DataFrame'>
RangeIndex: 498 entries, 0 to 497
Data columns (total 3 columns):
 # Column Non-Null Count Dtype
 --- -- -- --
 0 feature1 498 non-null float64
 1 feature2 498 non-null float64
 2 class 498 non-null int64
 dtypes: float64(2), int64(1)
 memory usage: 11.8 KB

In [6]:

```
data.describe()
```

Out[6]:

	feature1	feature2	class
count	498.000000	4.980000e+02	498.000000
mean	-0.000528	1.270753e-02	0.502008
std	6.477553	6.400034e+00	0.500499
min	-15.807963	-1.407123e+01	0.000000
25%	-3.930364	-4.177892e+00	0.000000
50%	0.023080	5.804950e-13	1.000000
75%	4.001632	4.114817e+00	1.000000
max	15.607963	1.427091e+01	1.000000

In [7]:

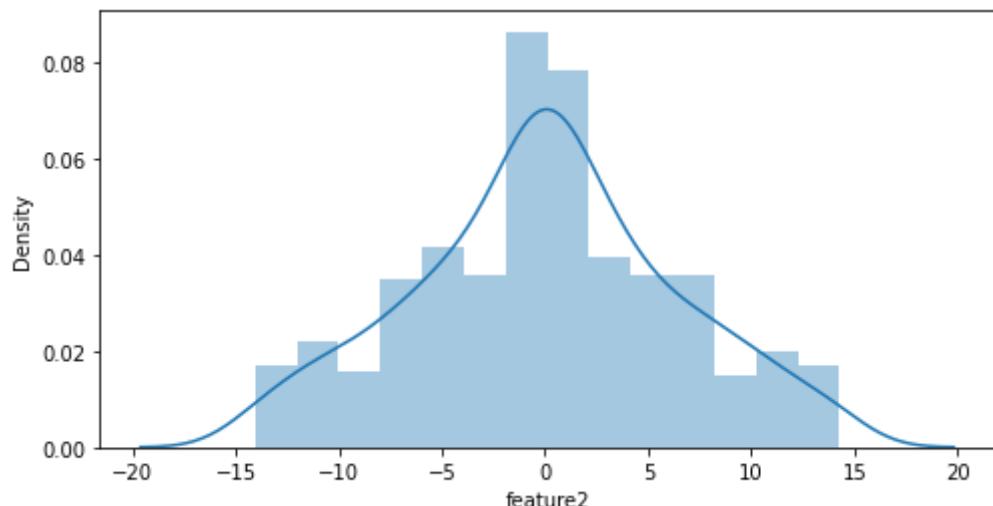
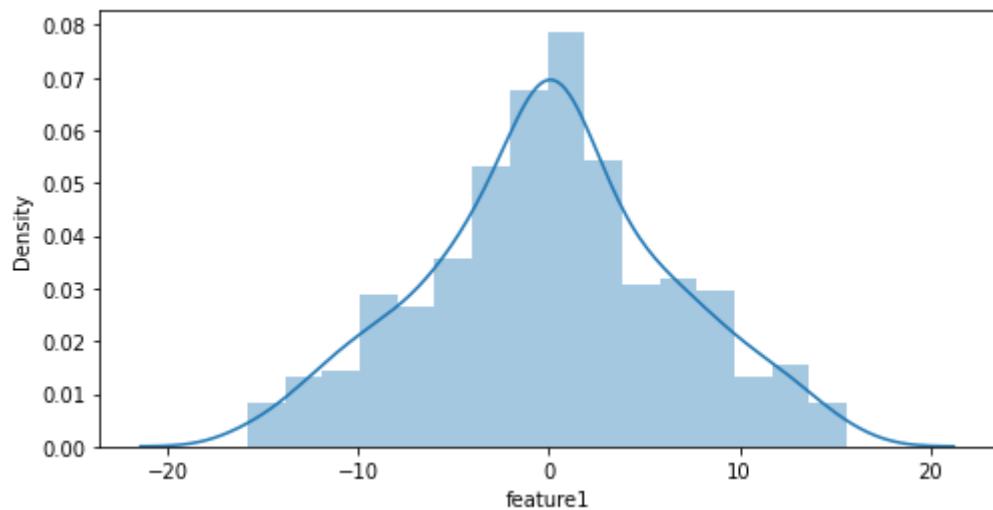
```
data.isnull().sum()
# No Missing value is there
```

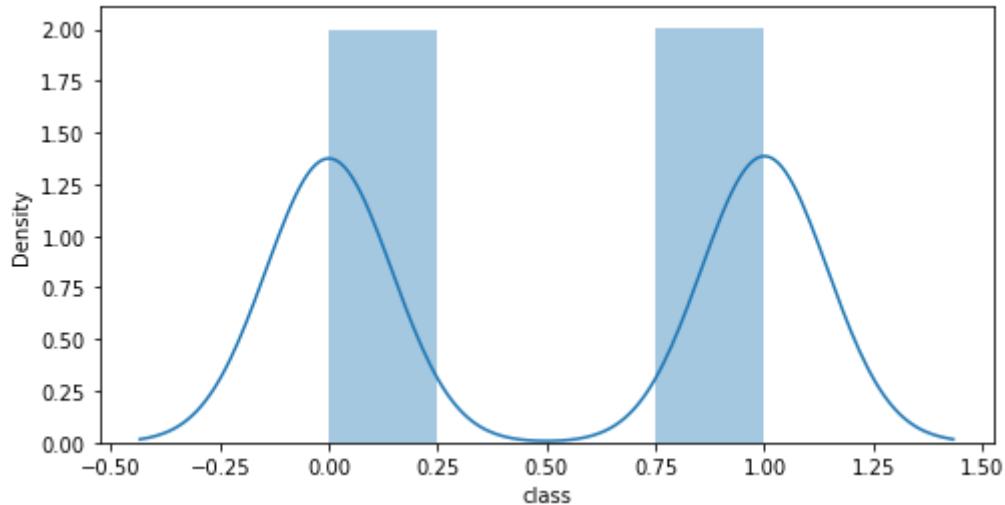
Out[7]:

```
feature1    0
feature2    0
class       0
dtype: int64
```

In [8]:

```
for col in ['feature1', 'feature2', 'class']:
    fig, ax = plt.subplots(1,1, figsize=(8, 4))
    sns.distplot(data[col])
```

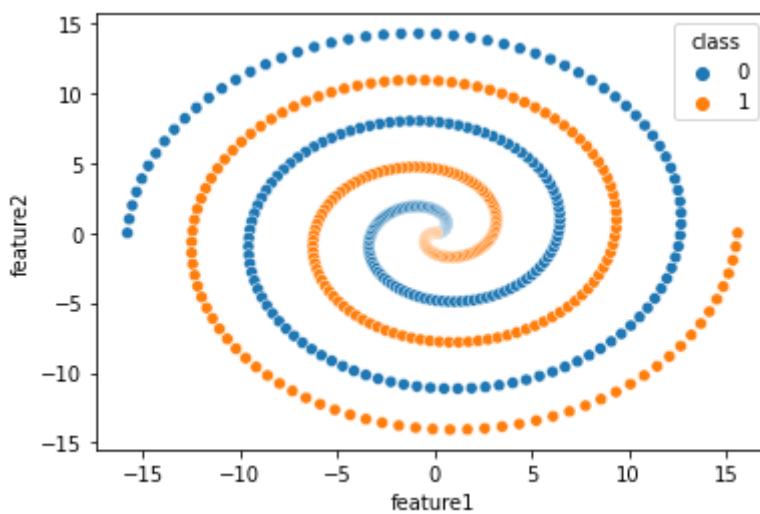




Distribution of features are normally distributed.

```
In [9]: sns.scatterplot(x='feature1', y='feature2', hue='class', data=data)
```

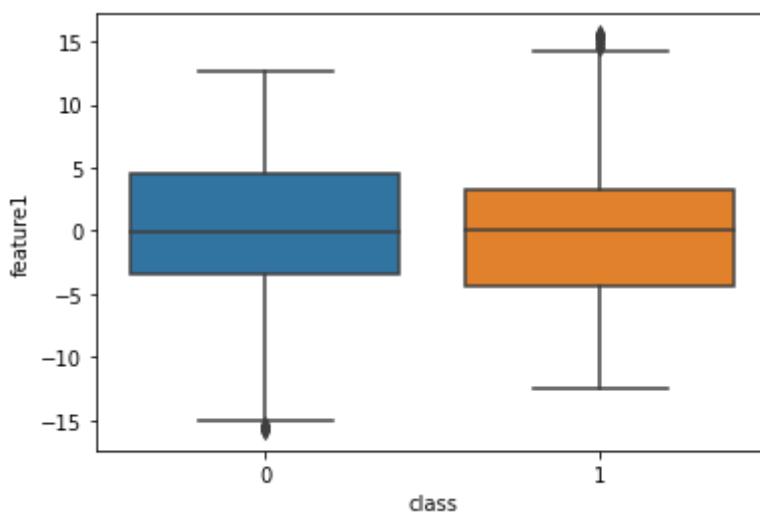
```
Out[9]: <matplotlib.axes._subplots.AxesSubplot at 0x7f452d53a6d0>
```



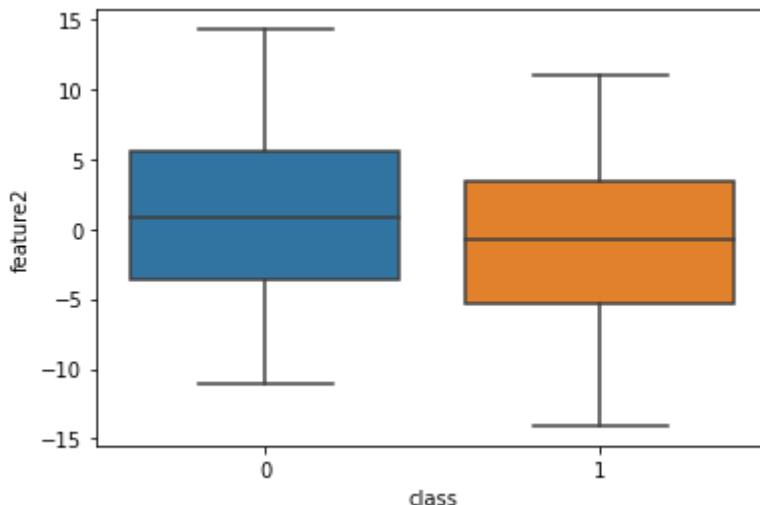
As data is non linear in nature, we have to go for deep learning models or non linear ML model

```
In [10]: sns.boxplot(x='class', y='feature1', data=data)
```

```
Out[10]: <matplotlib.axes._subplots.AxesSubplot at 0x7f452d50af0>
```



```
In [11]: sns.boxplot(x='class', y='feature2', data=data)
Out[11]: <matplotlib.axes._subplots.AxesSubplot at 0x7f452d4cf610>
```



Data Preprocessing

Splitting the data into two parts 70% for training and 30% for validation

```
In [12]: Predictor=data.loc[:,['feature1', 'feature2']].values
Target=data.loc[:, 'class'].values

X_train, X_test, y_train, y_test = train_test_split(Predictor, Target, test_size=0)
```

Scaling

```
In [13]: sc = MinMaxScaler()
X_train = sc.fit_transform(X_train)
X_test = sc.transform(X_test)
```

Model Building and Evaluation

learning rate: The range of values to consider for the learning rate should be between 10^{-6} to 1. A traditional default value for the learning rate is 0.1 or 0.01 which is a good starting point for any problem and this can be further optimize with Hyper parameter tuning. In this problem after several iteration & testing we are taking 0.009 as starting point as its convergence is faster.

activation function: As this problem is binary classification problem, we choose sigmoid in the output layer and relu in the hidden layer as its performance/convergence is better and doesn't have exploding/vanishing gradient problem. In addition we can also choose hidden layer activation function using hyper parameter tuning.

loss function: Binary crossentropy is used as a loss function for this problem as we have binary class at the target variable.

optimizer: Adam optimizer is used which generally prefer over others nowadays.

In addition variable learning rate with factor of 0.7 is used if val_loss is not improving for 20 consecutive patience.

Early Stopping criteria is used if val_loss is not improving for 50 patience.

Dropout layer of 0.1 is also added to avoid overfitting in the model

In [13]:

Model building with Single Hidden Layer

In [31]:

```
def create_single_hidden_layer_ann_model(input_dim:int, node_in_hidden_layer:int,
                                         checkpoint_enable:bool=False, checkpoint_dir:str):
    NN_model = Sequential()

    # The Input Layer :
    NN_model.add(Input(input_dim))
    # The Hidden Layer :
    NN_model.add(Dense(node_in_hidden_layer,activation='relu', activity_regularizer=regularizers.l2(0.009)))
    # NN_model.add(Dropout(rate=0.1))
    # The Output Layer :
    NN_model.add(Dense(1, activation='sigmoid'))

    print(NN_model.summary())
    adam=Adam(learning_rate=0.009)
    # sgd=SGD(lr=0.001, momentum=0.9)
    # Compile the network :
    NN_model.compile(loss='binary_crossentropy', optimizer=adam, metrics=[ 'accuracy'])

    # Define a checkpoint
    if checkpoint_enable:
        checkpoint_name = checkpoint_dir+'Weights-{epoch:03d}-{val_loss:.5f}.hdf5'
        checkpoint = ModelCheckpoint(checkpoint_name, monitor='val_loss', verbose : 1,
                                     save_weights_only=True)
        callbacks_list = [checkpoint]
    else: callbacks_list =None
    return NN_model, callbacks_list
```

Model is created with each node from the given list (4,8,12,16) in single hidden layer

In [32]:

```
node_list=[4, 8, 12, 16]
Evaluation_summary=pd.DataFrame()
for node in node_list:
    print(f'>>>>>>>>>>>>> Model training with single layer and {node} node')
    print('\n\n')
    NN_model, callbacks_list=create_single_hidden_layer_ann_model(input_dim=2, node_in_hidden_layer=node)
    rlrp = ReduceLROnPlateau(monitor='val_loss', factor=0.5, patience=20, min_delta=0.0001)
    callbacks_list=callbacks_list+[rlrp]
    es = EarlyStopping(monitor='val_loss', mode='min', verbose=1, patience=50)
    callbacks_list=callbacks_list+[es]
    model = NN_model.fit(X_train, y_train, epochs=1000, validation_data=(X_test, y_test))
    print(f"Final training loss for single layer and {node} node: {model.history['loss'][-1]}")
    print(f"Final training accuracy for single layer and {node} node {model.history['accuracy'][-1]}")
    print(f"Final validation loss for single layer and {node} node {model.history['val_loss'][-1]}")
    print(f"Final validation accuracy for single layer and {node} node {model.history['val_accuracy'][-1]}")
    Evaluation_summary=Evaluation_summary.append(pd.DataFrame({'NumOfHiddenLayer':node,
                                                               'Train Loss':[model.history['loss'][-1]], 'Train Accuracy': [model.history['accuracy'][-1]],
                                                               'Validation Loss':[model.history['val_loss'][-1]], 'Validation Accuracy': [model.history['val_accuracy'][-1]]}))
```

```
plt.title(f'single layer and {node} node : Loss')
plt.plot(model.history['loss'], label='train')
plt.plot(model.history['val_loss'], label='validation')
plt.legend()
plt.show()
plt.title(f'single layer and {node} node: Accuracy')
plt.plot(model.history['accuracy'], label='train')
plt.plot(model.history['val_accuracy'], label='validation')
plt.legend()
plt.show()
```

>>>>>>>>>>>>>>>>>>>

Model: "sequential_29"

Layer (type)	Output Shape	Param #
<hr/>		
dense_79 (Dense)	(None, 4)	12
dense_80 (Dense)	(None, 1)	5
<hr/>		
Total params: 17		
Trainable params: 17		
Non-trainable params: 0		

None

Epoch 1/1000

1/11 [=>.....] - ETA: 4s - loss: 0.7035 - accuracy: 0.5625
Epoch 1: val_loss improved from inf to 0.72866, saving model to tmp/Weights-001--0.72866.hdf5

11/11 [=====] - 1s 21ms/step - loss: 0.7211 - accuracy: 0.4856 - val_loss: 0.7287 - val_accuracy: 0.3800 - lr: 0.0090

Epoch 2/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6587 - accuracy: 0.6250
Epoch 2: val_loss improved from 0.72866 to 0.71653, saving model to tmp/Weights-002--0.71653.hdf5

11/11 [=====] - 0s 8ms/step - loss: 0.7035 - accuracy: 0.5115 - val_loss: 0.7165 - val_accuracy: 0.4400 - lr: 0.0090

Epoch 3/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6774 - accuracy: 0.5938
Epoch 3: val_loss improved from 0.71653 to 0.71120, saving model to tmp/Weights-003--0.71120.hdf5

11/11 [=====] - 0s 8ms/step - loss: 0.7036 - accuracy: 0.4828 - val_loss: 0.7112 - val_accuracy: 0.4333 - lr: 0.0090

Epoch 4/1000

1/11 [=>.....] - ETA: 0s - loss: 0.7047 - accuracy: 0.4375
Epoch 4: val_loss improved from 0.71120 to 0.70605, saving model to tmp/Weights-004--0.70605.hdf5

11/11 [=====] - 0s 8ms/step - loss: 0.7016 - accuracy: 0.4713 - val_loss: 0.7061 - val_accuracy: 0.4533 - lr: 0.0090

Epoch 5/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6866 - accuracy: 0.5312
Epoch 5: val_loss improved from 0.70605 to 0.70465, saving model to tmp/Weights-005--0.70465.hdf5

11/11 [=====] - 0s 8ms/step - loss: 0.6987 - accuracy: 0.4971 - val_loss: 0.7046 - val_accuracy: 0.4467 - lr: 0.0090

Epoch 6/1000

1/11 [=>.....] - ETA: 0s - loss: 0.7045 - accuracy: 0.5000
Epoch 6: val_loss improved from 0.70465 to 0.70360, saving model to tmp/Weights-006--0.70360.hdf5

11/11 [=====] - 0s 8ms/step - loss: 0.6979 - accuracy: 0.5029 - val_loss: 0.7036 - val_accuracy: 0.4600 - lr: 0.0090

Epoch 7/1000

1/11 [=>.....] - ETA: 0s - loss: 0.7190 - accuracy: 0.3750
Epoch 7: val_loss improved from 0.70360 to 0.70128, saving model to tmp/Weights-007--0.70128.hdf5

11/11 [=====] - 0s 7ms/step - loss: 0.6962 - accuracy: 0.4856 - val_loss: 0.7013 - val_accuracy: 0.4467 - lr: 0.0090

Epoch 8/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6942 - accuracy: 0.5938
Epoch 8: val_loss improved from 0.70128 to 0.69960, saving model to tmp/Weights-008--0.69960.hdf5

```
11/11 [=====] - 0s 7ms/step - loss: 0.6949 - accuracy: 0.5316 - val_loss: 0.6996 - val_accuracy: 0.4667 - lr: 0.0090
Epoch 9/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6949 - accuracy: 0.5625
Epoch 9: val_loss improved from 0.69960 to 0.69797, saving model to tmp/Weights-009--0.69797.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6942 - accuracy: 0.5259 - val_loss: 0.6980 - val_accuracy: 0.4400 - lr: 0.0090
Epoch 10/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6924 - accuracy: 0.4688
Epoch 10: val_loss improved from 0.69797 to 0.69674, saving model to tmp/Weights-010--0.69674.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6942 - accuracy: 0.4770 - val_loss: 0.6967 - val_accuracy: 0.4333 - lr: 0.0090
Epoch 11/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7053 - accuracy: 0.4062
Epoch 11: val_loss improved from 0.69674 to 0.69344, saving model to tmp/Weights-011--0.69344.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6943 - accuracy: 0.5172 - val_loss: 0.6934 - val_accuracy: 0.4600 - lr: 0.0090
Epoch 12/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6889 - accuracy: 0.5312
Epoch 12: val_loss improved from 0.69344 to 0.69316, saving model to tmp/Weights-012--0.69316.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6920 - accuracy: 0.5115 - val_loss: 0.6932 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 13/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6672 - accuracy: 0.6875
Epoch 13: val_loss improved from 0.69316 to 0.69231, saving model to tmp/Weights-013--0.69231.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6914 - accuracy: 0.4713 - val_loss: 0.6923 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 14/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6867 - accuracy: 0.4375
Epoch 14: val_loss improved from 0.69231 to 0.69212, saving model to tmp/Weights-014--0.69212.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6917 - accuracy: 0.4569 - val_loss: 0.6921 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 15/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6906 - accuracy: 0.5312
Epoch 15: val_loss improved from 0.69212 to 0.68948, saving model to tmp/Weights-015--0.68948.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6910 - accuracy: 0.5000 - val_loss: 0.6895 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 16/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6764 - accuracy: 0.6562
Epoch 16: val_loss improved from 0.68948 to 0.68882, saving model to tmp/Weights-016--0.68882.hdf5
11/11 [=====] - 0s 7ms/step - loss: 0.6901 - accuracy: 0.5316 - val_loss: 0.6888 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 17/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6747 - accuracy: 0.6250
Epoch 17: val_loss did not improve from 0.68882
11/11 [=====] - 0s 6ms/step - loss: 0.6907 - accuracy: 0.5057 - val_loss: 0.6889 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 18/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6819 - accuracy: 0.5938
Epoch 18: val_loss improved from 0.68882 to 0.68766, saving model to tmp/Weights-018--0.68766.hdf5
11/11 [=====] - 0s 7ms/step - loss: 0.6895 - accuracy: 0.4971 - val_loss: 0.6877 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 19/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6708 - accuracy: 0.6250
Epoch 19: val_loss improved from 0.68766 to 0.68685, saving model to tmp/Weights-0
```

```
19--0.68685.hdf5
11/11 [=====] - 0s 7ms/step - loss: 0.6893 - accuracy: 0.
5287 - val_loss: 0.6868 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 20/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6758 - accuracy: 0.5625
Epoch 20: val_loss improved from 0.68685 to 0.68672, saving model to tmp/Weights-0
20--0.68672.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6897 - accuracy: 0.
5057 - val_loss: 0.6867 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 21/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6898 - accuracy: 0.4688
Epoch 21: val_loss improved from 0.68672 to 0.68529, saving model to tmp/Weights-0
21--0.68529.hdf5
11/11 [=====] - 0s 7ms/step - loss: 0.6897 - accuracy: 0.
5345 - val_loss: 0.6853 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 22/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6987 - accuracy: 0.4688
Epoch 22: val_loss did not improve from 0.68529
11/11 [=====] - 0s 6ms/step - loss: 0.6885 - accuracy: 0.
5402 - val_loss: 0.6860 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 23/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6834 - accuracy: 0.5625
Epoch 23: val_loss did not improve from 0.68529
11/11 [=====] - 0s 6ms/step - loss: 0.6886 - accuracy: 0.
4885 - val_loss: 0.6861 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 24/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6987 - accuracy: 0.4062
Epoch 24: val_loss did not improve from 0.68529
11/11 [=====] - 0s 6ms/step - loss: 0.6889 - accuracy: 0.
4943 - val_loss: 0.6858 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 25/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7055 - accuracy: 0.4062
Epoch 25: val_loss improved from 0.68529 to 0.68478, saving model to tmp/Weights-0
25--0.68478.hdf5
11/11 [=====] - 0s 7ms/step - loss: 0.6885 - accuracy: 0.
5201 - val_loss: 0.6848 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 26/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6967 - accuracy: 0.5000
Epoch 26: val_loss improved from 0.68478 to 0.68462, saving model to tmp/Weights-0
26--0.68462.hdf5
11/11 [=====] - 0s 7ms/step - loss: 0.6885 - accuracy: 0.
5057 - val_loss: 0.6846 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 27/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6630 - accuracy: 0.6562
Epoch 27: val_loss did not improve from 0.68462
11/11 [=====] - 0s 7ms/step - loss: 0.6882 - accuracy: 0.
5287 - val_loss: 0.6847 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 28/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6839 - accuracy: 0.5625
Epoch 28: val_loss did not improve from 0.68462
11/11 [=====] - 0s 6ms/step - loss: 0.6886 - accuracy: 0.
5029 - val_loss: 0.6850 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 29/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6683 - accuracy: 0.6250
Epoch 29: val_loss improved from 0.68462 to 0.68376, saving model to tmp/Weights-0
29--0.68376.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6879 - accuracy: 0.
5115 - val_loss: 0.6838 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 30/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6961 - accuracy: 0.5312
Epoch 30: val_loss improved from 0.68376 to 0.68331, saving model to tmp/Weights-0
30--0.68331.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6881 - accuracy: 0.
5489 - val_loss: 0.6833 - val_accuracy: 0.5533 - lr: 0.0090
```

```
Epoch 31/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6509 - accuracy: 0.6875
Epoch 31: val_loss did not improve from 0.68331
11/11 [=====] - 0s 6ms/step - loss: 0.6880 - accuracy: 0.
5172 - val_loss: 0.6837 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 32/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7143 - accuracy: 0.3750
Epoch 32: val_loss did not improve from 0.68331
11/11 [=====] - 0s 7ms/step - loss: 0.6879 - accuracy: 0.
4943 - val_loss: 0.6839 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 33/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7208 - accuracy: 0.3438
Epoch 33: val_loss improved from 0.68331 to 0.68302, saving model to tmp/Weights-0
33--0.68302.hdf5
11/11 [=====] - 0s 7ms/step - loss: 0.6879 - accuracy: 0.
4943 - val_loss: 0.6830 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 34/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6782 - accuracy: 0.6875
Epoch 34: val_loss did not improve from 0.68302
11/11 [=====] - 0s 6ms/step - loss: 0.6878 - accuracy: 0.
5086 - val_loss: 0.6832 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 35/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6950 - accuracy: 0.4375
Epoch 35: val_loss improved from 0.68302 to 0.68282, saving model to tmp/Weights-0
35--0.68282.hdf5
11/11 [=====] - 0s 7ms/step - loss: 0.6879 - accuracy: 0.
5345 - val_loss: 0.6828 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 36/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6923 - accuracy: 0.5312
Epoch 36: val_loss did not improve from 0.68282
11/11 [=====] - 0s 6ms/step - loss: 0.6875 - accuracy: 0.
5259 - val_loss: 0.6829 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 37/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6977 - accuracy: 0.4375
Epoch 37: val_loss improved from 0.68282 to 0.68210, saving model to tmp/Weights-0
37--0.68210.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6875 - accuracy: 0.
5345 - val_loss: 0.6821 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 38/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6724 - accuracy: 0.6250
Epoch 38: val_loss did not improve from 0.68210
11/11 [=====] - 0s 7ms/step - loss: 0.6885 - accuracy: 0.
5115 - val_loss: 0.6833 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 39/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6744 - accuracy: 0.5312
Epoch 39: val_loss improved from 0.68210 to 0.68163, saving model to tmp/Weights-0
39--0.68163.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6876 - accuracy: 0.
5144 - val_loss: 0.6816 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 40/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7304 - accuracy: 0.4062
Epoch 40: val_loss did not improve from 0.68163
11/11 [=====] - 0s 7ms/step - loss: 0.6872 - accuracy: 0.
5144 - val_loss: 0.6822 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 41/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6723 - accuracy: 0.5625
Epoch 41: val_loss did not improve from 0.68163
11/11 [=====] - 0s 6ms/step - loss: 0.6869 - accuracy: 0.
5201 - val_loss: 0.6819 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 42/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6602 - accuracy: 0.6562
Epoch 42: val_loss did not improve from 0.68163
11/11 [=====] - 0s 6ms/step - loss: 0.6873 - accuracy: 0.
4943 - val_loss: 0.6827 - val_accuracy: 0.5333 - lr: 0.0090
```

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Epoch 43/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6660 - accuracy: 0.5312
Epoch 43: val_loss did not improve from 0.68163
11/11 [=====] - 0s 6ms/step - loss: 0.6867 - accuracy: 0.
4971 - val_loss: 0.6818 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 44/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6597 - accuracy: 0.6562
Epoch 44: val_loss improved from 0.68163 to 0.68114, saving model to tmp/Weights-0
44--0.68114.hdf5
11/11 [=====] - 0s 7ms/step - loss: 0.6866 - accuracy: 0.
5230 - val_loss: 0.6811 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 45/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6583 - accuracy: 0.6250
Epoch 45: val_loss did not improve from 0.68114
11/11 [=====] - 0s 6ms/step - loss: 0.6866 - accuracy: 0.
5345 - val_loss: 0.6817 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 46/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6789 - accuracy: 0.5312
Epoch 46: val_loss did not improve from 0.68114
11/11 [=====] - 0s 8ms/step - loss: 0.6871 - accuracy: 0.
4914 - val_loss: 0.6824 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 47/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6801 - accuracy: 0.5000
Epoch 47: val_loss improved from 0.68114 to 0.68088, saving model to tmp/Weights-0
47--0.68088.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6875 - accuracy: 0.
5086 - val_loss: 0.6809 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 48/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7209 - accuracy: 0.5312
Epoch 48: val_loss did not improve from 0.68088
11/11 [=====] - 0s 6ms/step - loss: 0.6866 - accuracy: 0.
5316 - val_loss: 0.6817 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 49/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7193 - accuracy: 0.3438
Epoch 49: val_loss did not improve from 0.68088
11/11 [=====] - 0s 6ms/step - loss: 0.6867 - accuracy: 0.
5374 - val_loss: 0.6809 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 50/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7054 - accuracy: 0.5000
Epoch 50: val_loss did not improve from 0.68088
11/11 [=====] - 0s 7ms/step - loss: 0.6867 - accuracy: 0.
5172 - val_loss: 0.6822 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 51/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6884 - accuracy: 0.5312
Epoch 51: val_loss did not improve from 0.68088
11/11 [=====] - 0s 6ms/step - loss: 0.6861 - accuracy: 0.
5057 - val_loss: 0.6811 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 52/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6817 - accuracy: 0.5000
Epoch 52: val_loss did not improve from 0.68088
11/11 [=====] - 0s 6ms/step - loss: 0.6868 - accuracy: 0.
5086 - val_loss: 0.6817 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 53/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7111 - accuracy: 0.3438
Epoch 53: val_loss improved from 0.68088 to 0.67980, saving model to tmp/Weights-0
53--0.67980.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6868 - accuracy:
0.5374 - val_loss: 0.6798 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 54/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6664 - accuracy: 0.6250
Epoch 54: val_loss did not improve from 0.67980
11/11 [=====] - 0s 6ms/step - loss: 0.6866 - accuracy: 0.
5374 - val_loss: 0.6811 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 55/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6887 - accuracy: 0.5312
Epoch 55: val_loss did not improve from 0.67980
11/11 [=====] - 0s 6ms/step - loss: 0.6860 - accuracy: 0.
5086 - val_loss: 0.6813 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 56/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6948 - accuracy: 0.5625
Epoch 56: val_loss did not improve from 0.67980
11/11 [=====] - 0s 6ms/step - loss: 0.6857 - accuracy: 0.
4971 - val_loss: 0.6807 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 57/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6832 - accuracy: 0.5000
Epoch 57: val_loss did not improve from 0.67980
11/11 [=====] - 0s 6ms/step - loss: 0.6863 - accuracy: 0.
5057 - val_loss: 0.6813 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 58/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7007 - accuracy: 0.4688
Epoch 58: val_loss did not improve from 0.67980
11/11 [=====] - 0s 6ms/step - loss: 0.6862 - accuracy: 0.
5144 - val_loss: 0.6813 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 59/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6940 - accuracy: 0.4375
Epoch 59: val_loss did not improve from 0.67980
11/11 [=====] - 0s 8ms/step - loss: 0.6860 - accuracy: 0.
5259 - val_loss: 0.6799 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 60/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6964 - accuracy: 0.4688
Epoch 60: val_loss did not improve from 0.67980
11/11 [=====] - 0s 7ms/step - loss: 0.6854 - accuracy: 0.
5345 - val_loss: 0.6806 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 61/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6975 - accuracy: 0.4375
Epoch 61: val_loss did not improve from 0.67980
11/11 [=====] - 0s 6ms/step - loss: 0.6858 - accuracy: 0.
5086 - val_loss: 0.6818 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 62/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6835 - accuracy: 0.5312
Epoch 62: val_loss did not improve from 0.67980
11/11 [=====] - 0s 7ms/step - loss: 0.6854 - accuracy: 0.
5115 - val_loss: 0.6802 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 63/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6964 - accuracy: 0.4375
Epoch 63: val_loss improved from 0.67980 to 0.67966, saving model to tmp/Weights-0
63-0.67966.hdf5
11/11 [=====] - 0s 7ms/step - loss: 0.6852 - accuracy: 0.
5057 - val_loss: 0.6797 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 64/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6839 - accuracy: 0.5312
Epoch 64: val_loss did not improve from 0.67966
11/11 [=====] - 0s 7ms/step - loss: 0.6850 - accuracy: 0.
5144 - val_loss: 0.6804 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 65/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6912 - accuracy: 0.4062
Epoch 65: val_loss did not improve from 0.67966
11/11 [=====] - 0s 7ms/step - loss: 0.6854 - accuracy: 0.
5201 - val_loss: 0.6812 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 66/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6976 - accuracy: 0.4062
Epoch 66: val_loss did not improve from 0.67966
11/11 [=====] - 0s 6ms/step - loss: 0.6866 - accuracy: 0.
5259 - val_loss: 0.6806 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 67/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6749 - accuracy: 0.5625
Epoch 67: val_loss did not improve from 0.67966
11/11 [=====] - 0s 6ms/step - loss: 0.6847 - accuracy: 0.
```

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5172 - val_loss: 0.6817 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 68/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6982 - accuracy: 0.4375
Epoch 68: val_loss did not improve from 0.67966
11/11 [=====] - 0s 7ms/step - loss: 0.6853 - accuracy: 0.
5201 - val_loss: 0.6809 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 69/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6942 - accuracy: 0.4375
Epoch 69: val_loss improved from 0.67966 to 0.67871, saving model to tmp/Weights-0
69--0.67871.hdf5
11/11 [=====] - 0s 7ms/step - loss: 0.6849 - accuracy: 0.
5115 - val_loss: 0.6787 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 70/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6848 - accuracy: 0.5000
Epoch 70: val_loss did not improve from 0.67871
11/11 [=====] - 0s 7ms/step - loss: 0.6849 - accuracy: 0.
5144 - val_loss: 0.6797 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 71/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6952 - accuracy: 0.5312
Epoch 71: val_loss did not improve from 0.67871
11/11 [=====] - 0s 6ms/step - loss: 0.6855 - accuracy: 0.
5057 - val_loss: 0.6805 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 72/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6970 - accuracy: 0.4688
Epoch 72: val_loss did not improve from 0.67871
11/11 [=====] - 0s 6ms/step - loss: 0.6844 - accuracy: 0.
5230 - val_loss: 0.6796 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 73/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6904 - accuracy: 0.4688
Epoch 73: val_loss did not improve from 0.67871
11/11 [=====] - 0s 6ms/step - loss: 0.6844 - accuracy: 0.
5057 - val_loss: 0.6801 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 74/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6539 - accuracy: 0.5938
Epoch 74: val_loss did not improve from 0.67871
11/11 [=====] - 0s 6ms/step - loss: 0.6855 - accuracy: 0.
5172 - val_loss: 0.6789 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 75/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6731 - accuracy: 0.5312
Epoch 75: val_loss did not improve from 0.67871
11/11 [=====] - 0s 6ms/step - loss: 0.6843 - accuracy: 0.
5259 - val_loss: 0.6815 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 76/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6778 - accuracy: 0.5625
Epoch 76: val_loss did not improve from 0.67871
11/11 [=====] - 0s 6ms/step - loss: 0.6844 - accuracy: 0.
5316 - val_loss: 0.6802 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 77/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6797 - accuracy: 0.5000
Epoch 77: val_loss did not improve from 0.67871
11/11 [=====] - 0s 6ms/step - loss: 0.6843 - accuracy: 0.
5230 - val_loss: 0.6798 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 78/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7103 - accuracy: 0.4688
Epoch 78: val_loss improved from 0.67871 to 0.67860, saving model to tmp/Weights-0
78--0.67860.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6844 - accuracy: 0.
5230 - val_loss: 0.6786 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 79/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7089 - accuracy: 0.5312
Epoch 79: val_loss did not improve from 0.67860
11/11 [=====] - 0s 6ms/step - loss: 0.6849 - accuracy: 0.
5230 - val_loss: 0.6806 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 80/1000
```

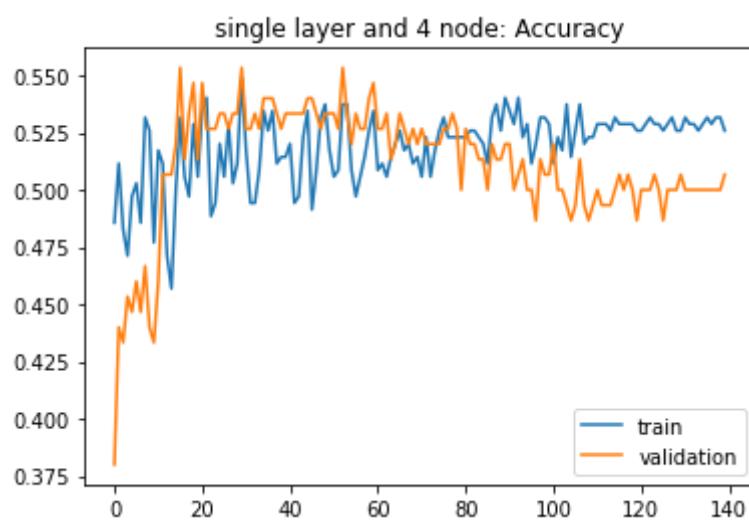
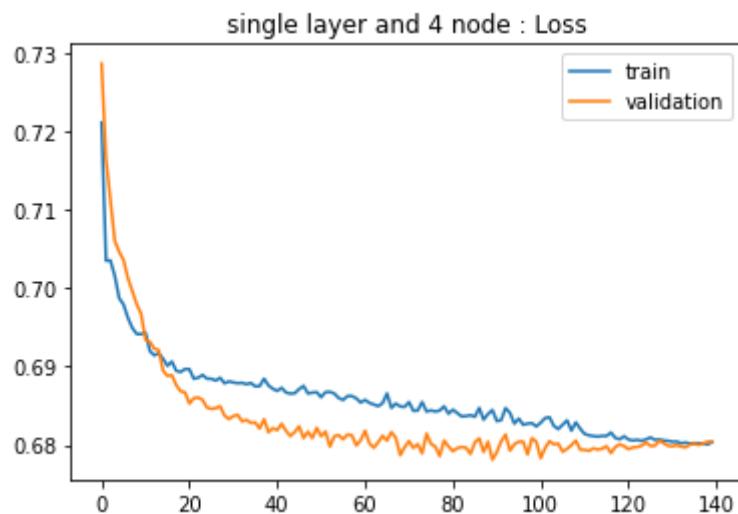
```
1/11 [=>.....] - ETA: 0s - loss: 0.6853 - accuracy: 0.5625
Epoch 80: val_loss did not improve from 0.67860
11/11 [=====] - 0s 6ms/step - loss: 0.6840 - accuracy: 0.
5230 - val_loss: 0.6798 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 81/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7003 - accuracy: 0.4375
Epoch 81: val_loss did not improve from 0.67860
11/11 [=====] - 0s 6ms/step - loss: 0.6845 - accuracy: 0.
5230 - val_loss: 0.6792 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 82/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6957 - accuracy: 0.4375
Epoch 82: val_loss did not improve from 0.67860
11/11 [=====] - 0s 6ms/step - loss: 0.6841 - accuracy: 0.
5259 - val_loss: 0.6796 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 83/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6556 - accuracy: 0.6562
Epoch 83: val_loss did not improve from 0.67860
11/11 [=====] - 0s 7ms/step - loss: 0.6837 - accuracy: 0.
5259 - val_loss: 0.6798 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 84/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6864 - accuracy: 0.5312
Epoch 84: val_loss did not improve from 0.67860
11/11 [=====] - 0s 6ms/step - loss: 0.6837 - accuracy: 0.
5230 - val_loss: 0.6797 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 85/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6775 - accuracy: 0.4688
Epoch 85: val_loss did not improve from 0.67860
11/11 [=====] - 0s 6ms/step - loss: 0.6838 - accuracy: 0.
5201 - val_loss: 0.6789 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 86/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6603 - accuracy: 0.5938
Epoch 86: val_loss did not improve from 0.67860
11/11 [=====] - 0s 6ms/step - loss: 0.6836 - accuracy: 0.
5115 - val_loss: 0.6803 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 87/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6933 - accuracy: 0.4375
Epoch 87: val_loss did not improve from 0.67860
11/11 [=====] - 0s 6ms/step - loss: 0.6847 - accuracy: 0.
5316 - val_loss: 0.6809 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 88/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6726 - accuracy: 0.6250
Epoch 88: val_loss did not improve from 0.67860
11/11 [=====] - 0s 7ms/step - loss: 0.6832 - accuracy: 0.
5374 - val_loss: 0.6791 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 89/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6937 - accuracy: 0.5000
Epoch 89: val_loss did not improve from 0.67860
11/11 [=====] - 0s 6ms/step - loss: 0.6840 - accuracy: 0.
5259 - val_loss: 0.6804 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 90/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6535 - accuracy: 0.6250
Epoch 90: val_loss improved from 0.67860 to 0.67813, saving model to tmp/Weights-0
90--0.67813.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6845 - accuracy: 0.
5402 - val_loss: 0.6781 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 91/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6631 - accuracy: 0.6250
Epoch 91: val_loss did not improve from 0.67813
11/11 [=====] - 0s 7ms/step - loss: 0.6831 - accuracy: 0.
5345 - val_loss: 0.6791 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 92/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6578 - accuracy: 0.5938
Epoch 92: val_loss did not improve from 0.67813
11/11 [=====] - 0s 8ms/step - loss: 0.6832 - accuracy: 0.
```

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5287 - val_loss: 0.6805 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 93/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7080 - accuracy: 0.4375
Epoch 93: val_loss did not improve from 0.67813
11/11 [=====] - 0s 6ms/step - loss: 0.6847 - accuracy: 0.
5402 - val_loss: 0.6813 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 94/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7134 - accuracy: 0.4375
Epoch 94: val_loss did not improve from 0.67813
11/11 [=====] - 0s 6ms/step - loss: 0.6841 - accuracy: 0.
5230 - val_loss: 0.6793 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 95/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6774 - accuracy: 0.6562
Epoch 95: val_loss did not improve from 0.67813
11/11 [=====] - 0s 6ms/step - loss: 0.6827 - accuracy: 0.
5287 - val_loss: 0.6801 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 96/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6660 - accuracy: 0.5938
Epoch 96: val_loss did not improve from 0.67813
11/11 [=====] - 0s 6ms/step - loss: 0.6834 - accuracy: 0.
5115 - val_loss: 0.6804 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 97/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7135 - accuracy: 0.5000
Epoch 97: val_loss did not improve from 0.67813
11/11 [=====] - 0s 6ms/step - loss: 0.6826 - accuracy: 0.
5201 - val_loss: 0.6804 - val_accuracy: 0.4867 - lr: 0.0090
Epoch 98/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6966 - accuracy: 0.4688
Epoch 98: val_loss did not improve from 0.67813
11/11 [=====] - 0s 6ms/step - loss: 0.6827 - accuracy: 0.
5316 - val_loss: 0.6788 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 99/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6735 - accuracy: 0.5625
Epoch 99: val_loss did not improve from 0.67813
11/11 [=====] - 0s 7ms/step - loss: 0.6828 - accuracy: 0.
5316 - val_loss: 0.6809 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 100/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7011 - accuracy: 0.4375
Epoch 100: val_loss did not improve from 0.67813
11/11 [=====] - 0s 6ms/step - loss: 0.6824 - accuracy: 0.
5287 - val_loss: 0.6804 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 101/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6567 - accuracy: 0.5625
Epoch 101: val_loss did not improve from 0.67813
11/11 [=====] - 0s 6ms/step - loss: 0.6828 - accuracy: 0.
5115 - val_loss: 0.6783 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 102/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6792 - accuracy: 0.4688
Epoch 102: val_loss did not improve from 0.67813
11/11 [=====] - 0s 6ms/step - loss: 0.6834 - accuracy: 0.
5230 - val_loss: 0.6796 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 103/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7095 - accuracy: 0.3750
Epoch 103: val_loss did not improve from 0.67813
11/11 [=====] - 0s 6ms/step - loss: 0.6836 - accuracy: 0.
5172 - val_loss: 0.6805 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 104/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6569 - accuracy: 0.6250
Epoch 104: val_loss did not improve from 0.67813
11/11 [=====] - 0s 6ms/step - loss: 0.6824 - accuracy: 0.
5374 - val_loss: 0.6801 - val_accuracy: 0.4933 - lr: 0.0090
Epoch 105/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6673 - accuracy: 0.5000
Epoch 105: val_loss did not improve from 0.67813
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11/11 [=====] - 0s 7ms/step - loss: 0.6820 - accuracy: 0.  
5144 - val_loss: 0.6802 - val_accuracy: 0.4867 - lr: 0.0090  
Epoch 106/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7104 - accuracy: 0.4688  
Epoch 106: val_loss did not improve from 0.67813  
11/11 [=====] - 0s 6ms/step - loss: 0.6826 - accuracy: 0.  
5259 - val_loss: 0.6791 - val_accuracy: 0.4933 - lr: 0.0090  
Epoch 107/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6859 - accuracy: 0.5312  
Epoch 107: val_loss did not improve from 0.67813  
11/11 [=====] - 0s 6ms/step - loss: 0.6831 - accuracy: 0.  
5374 - val_loss: 0.6795 - val_accuracy: 0.5133 - lr: 0.0090  
Epoch 108/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6366 - accuracy: 0.6562  
Epoch 108: val_loss did not improve from 0.67813  
11/11 [=====] - 0s 7ms/step - loss: 0.6818 - accuracy: 0.  
5201 - val_loss: 0.6800 - val_accuracy: 0.4933 - lr: 0.0090  
Epoch 109/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6467 - accuracy: 0.6562  
Epoch 109: val_loss did not improve from 0.67813  
11/11 [=====] - 0s 6ms/step - loss: 0.6829 - accuracy: 0.  
5230 - val_loss: 0.6806 - val_accuracy: 0.4867 - lr: 0.0090  
Epoch 110/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7052 - accuracy: 0.4375  
Epoch 110: val_loss did not improve from 0.67813  
  
Epoch 110: ReduceLROnPlateau reducing learning rate to 0.0044999998062849045.  
11/11 [=====] - 0s 6ms/step - loss: 0.6821 - accuracy: 0.  
5230 - val_loss: 0.6794 - val_accuracy: 0.4933 - lr: 0.0090  
Epoch 111/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6889 - accuracy: 0.5000  
Epoch 111: val_loss did not improve from 0.67813  
11/11 [=====] - 0s 6ms/step - loss: 0.6814 - accuracy: 0.  
5287 - val_loss: 0.6794 - val_accuracy: 0.5000 - lr: 0.0045  
Epoch 112/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6484 - accuracy: 0.6875  
Epoch 112: val_loss did not improve from 0.67813  
11/11 [=====] - 0s 6ms/step - loss: 0.6812 - accuracy: 0.  
5287 - val_loss: 0.6793 - val_accuracy: 0.4933 - lr: 0.0045  
Epoch 113/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7020 - accuracy: 0.4688  
Epoch 113: val_loss did not improve from 0.67813  
11/11 [=====] - 0s 6ms/step - loss: 0.6811 - accuracy: 0.  
5287 - val_loss: 0.6796 - val_accuracy: 0.4933 - lr: 0.0045  
Epoch 114/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7014 - accuracy: 0.4062  
Epoch 114: val_loss did not improve from 0.67813  
11/11 [=====] - 0s 7ms/step - loss: 0.6811 - accuracy: 0.  
5259 - val_loss: 0.6794 - val_accuracy: 0.4933 - lr: 0.0045  
Epoch 115/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6460 - accuracy: 0.6875  
Epoch 115: val_loss did not improve from 0.67813  
11/11 [=====] - 0s 8ms/step - loss: 0.6812 - accuracy: 0.  
5316 - val_loss: 0.6795 - val_accuracy: 0.5000 - lr: 0.0045  
Epoch 116/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6780 - accuracy: 0.6562  
Epoch 116: val_loss did not improve from 0.67813  
11/11 [=====] - 0s 6ms/step - loss: 0.6812 - accuracy: 0.  
5287 - val_loss: 0.6799 - val_accuracy: 0.5067 - lr: 0.0045  
Epoch 117/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7108 - accuracy: 0.4062  
Epoch 117: val_loss did not improve from 0.67813  
11/11 [=====] - 0s 6ms/step - loss: 0.6816 - accuracy: 0.  
5287 - val_loss: 0.6790 - val_accuracy: 0.5000 - lr: 0.0045
```

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Epoch 118/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6514 - accuracy: 0.6562
Epoch 118: val_loss did not improve from 0.67813
11/11 [=====] - 0s 7ms/step - loss: 0.6809 - accuracy: 0.
5287 - val_loss: 0.6798 - val_accuracy: 0.5067 - lr: 0.0045
Epoch 119/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6924 - accuracy: 0.5312
Epoch 119: val_loss did not improve from 0.67813
11/11 [=====] - 0s 6ms/step - loss: 0.6807 - accuracy: 0.
5287 - val_loss: 0.6801 - val_accuracy: 0.5000 - lr: 0.0045
Epoch 120/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6800 - accuracy: 0.5312
Epoch 120: val_loss did not improve from 0.67813
11/11 [=====] - 0s 6ms/step - loss: 0.6811 - accuracy: 0.
5259 - val_loss: 0.6799 - val_accuracy: 0.4867 - lr: 0.0045
Epoch 121/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6788 - accuracy: 0.5000
Epoch 121: val_loss did not improve from 0.67813
11/11 [=====] - 0s 7ms/step - loss: 0.6807 - accuracy: 0.
5259 - val_loss: 0.6795 - val_accuracy: 0.5000 - lr: 0.0045
Epoch 122/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6740 - accuracy: 0.5312
Epoch 122: val_loss did not improve from 0.67813
11/11 [=====] - 0s 6ms/step - loss: 0.6806 - accuracy: 0.
5287 - val_loss: 0.6797 - val_accuracy: 0.5000 - lr: 0.0045
Epoch 123/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6888 - accuracy: 0.4375
Epoch 123: val_loss did not improve from 0.67813
11/11 [=====] - 0s 6ms/step - loss: 0.6807 - accuracy: 0.
5316 - val_loss: 0.6797 - val_accuracy: 0.5000 - lr: 0.0045
Epoch 124/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6747 - accuracy: 0.5312
Epoch 124: val_loss did not improve from 0.67813
11/11 [=====] - 0s 6ms/step - loss: 0.6805 - accuracy: 0.
5287 - val_loss: 0.6799 - val_accuracy: 0.5067 - lr: 0.0045
Epoch 125/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6687 - accuracy: 0.5312
Epoch 125: val_loss did not improve from 0.67813
11/11 [=====] - 0s 6ms/step - loss: 0.6807 - accuracy: 0.
5287 - val_loss: 0.6803 - val_accuracy: 0.5000 - lr: 0.0045
Epoch 126/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6729 - accuracy: 0.5000
Epoch 126: val_loss did not improve from 0.67813
11/11 [=====] - 0s 6ms/step - loss: 0.6810 - accuracy: 0.
5259 - val_loss: 0.6799 - val_accuracy: 0.4867 - lr: 0.0045
Epoch 127/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6700 - accuracy: 0.5625
Epoch 127: val_loss did not improve from 0.67813
11/11 [=====] - 0s 7ms/step - loss: 0.6807 - accuracy: 0.
5287 - val_loss: 0.6799 - val_accuracy: 0.5000 - lr: 0.0045
Epoch 128/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6819 - accuracy: 0.4375
Epoch 128: val_loss did not improve from 0.67813
11/11 [=====] - 0s 6ms/step - loss: 0.6807 - accuracy: 0.
5316 - val_loss: 0.6805 - val_accuracy: 0.5000 - lr: 0.0045
Epoch 129/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6568 - accuracy: 0.6250
Epoch 129: val_loss did not improve from 0.67813
11/11 [=====] - 0s 6ms/step - loss: 0.6806 - accuracy: 0.
5259 - val_loss: 0.6802 - val_accuracy: 0.5000 - lr: 0.0045
Epoch 130/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6994 - accuracy: 0.4375
Epoch 130: val_loss did not improve from 0.67813
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Epoch 130: ReduceLROnPlateau reducing learning rate to 0.0022499999031424522.
11/11 [=====] - 0s 8ms/step - loss: 0.6805 - accuracy: 0.
5259 - val_loss: 0.6799 - val_accuracy: 0.5067 - lr: 0.0045
Epoch 131/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6807 - accuracy: 0.5312
Epoch 131: val_loss did not improve from 0.67813
11/11 [=====] - 0s 6ms/step - loss: 0.6804 - accuracy: 0.
5316 - val_loss: 0.6798 - val_accuracy: 0.5000 - lr: 0.0022
Epoch 132/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6778 - accuracy: 0.5625
Epoch 132: val_loss did not improve from 0.67813
11/11 [=====] - 0s 7ms/step - loss: 0.6804 - accuracy: 0.
5287 - val_loss: 0.6800 - val_accuracy: 0.5000 - lr: 0.0022
Epoch 133/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6873 - accuracy: 0.4688
Epoch 133: val_loss did not improve from 0.67813
11/11 [=====] - 0s 6ms/step - loss: 0.6802 - accuracy: 0.
5287 - val_loss: 0.6798 - val_accuracy: 0.5000 - lr: 0.0022
Epoch 134/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6808 - accuracy: 0.5938
Epoch 134: val_loss did not improve from 0.67813
11/11 [=====] - 0s 6ms/step - loss: 0.6803 - accuracy: 0.
5259 - val_loss: 0.6797 - val_accuracy: 0.5000 - lr: 0.0022
Epoch 135/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6678 - accuracy: 0.5938
Epoch 135: val_loss did not improve from 0.67813
11/11 [=====] - 0s 6ms/step - loss: 0.6802 - accuracy: 0.
5287 - val_loss: 0.6801 - val_accuracy: 0.5000 - lr: 0.0022
Epoch 136/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6821 - accuracy: 0.5000
Epoch 136: val_loss did not improve from 0.67813
11/11 [=====] - 0s 8ms/step - loss: 0.6802 - accuracy: 0.
5316 - val_loss: 0.6802 - val_accuracy: 0.5000 - lr: 0.0022
Epoch 137/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6785 - accuracy: 0.5000
Epoch 137: val_loss did not improve from 0.67813
11/11 [=====] - 0s 6ms/step - loss: 0.6802 - accuracy: 0.
5287 - val_loss: 0.6800 - val_accuracy: 0.5000 - lr: 0.0022
Epoch 138/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6834 - accuracy: 0.4688
Epoch 138: val_loss did not improve from 0.67813
11/11 [=====] - 0s 6ms/step - loss: 0.6802 - accuracy: 0.
5316 - val_loss: 0.6802 - val_accuracy: 0.5000 - lr: 0.0022
Epoch 139/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7119 - accuracy: 0.4062
Epoch 139: val_loss did not improve from 0.67813
11/11 [=====] - 0s 6ms/step - loss: 0.6801 - accuracy: 0.
5316 - val_loss: 0.6804 - val_accuracy: 0.5000 - lr: 0.0022
Epoch 140/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6727 - accuracy: 0.5312
Epoch 140: val_loss did not improve from 0.67813
11/11 [=====] - 0s 8ms/step - loss: 0.6804 - accuracy: 0.
5259 - val_loss: 0.6804 - val_accuracy: 0.5067 - lr: 0.0022
Epoch 140: early stopping
Final training loss for single layer and 4 node: 0.6803700923919678
Final training accuracy for single layer and 4 node 0.5258620977401733
Final validation loss for single layer and 4 node 0.68040931224823
Final validation accuracy for single layer and 4 node 0.5066666603088379
```



>>>>>>>>>>>>>>>>>>>

Model: "sequential_30"

Layer (type)	Output Shape	Param #
<hr/>		
dense_81 (Dense)	(None, 8)	24
dense_82 (Dense)	(None, 1)	9
<hr/>		
Total params: 33		
Trainable params: 33		
Non-trainable params: 0		

None

Epoch 1/1000

1/11 [=>.....] - ETA: 4s - loss: 0.6977 - accuracy: 0.4062
Epoch 1: val_loss improved from inf to 0.68869, saving model to tmp/Weights-001--0.68869.hdf5

11/11 [=====] - 1s 22ms/step - loss: 0.6947 - accuracy: 0.4713 - val_loss: 0.6887 - val_accuracy: 0.5333 - lr: 0.0090

Epoch 2/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6975 - accuracy: 0.5625
Epoch 2: val_loss improved from 0.68869 to 0.68680, saving model to tmp/Weights-002--0.68680.hdf5

11/11 [=====] - 0s 7ms/step - loss: 0.6914 - accuracy: 0.5690 - val_loss: 0.6868 - val_accuracy: 0.5933 - lr: 0.0090

Epoch 3/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6990 - accuracy: 0.5000
Epoch 3: val_loss improved from 0.68680 to 0.68593, saving model to tmp/Weights-003--0.68593.hdf5

11/11 [=====] - 0s 7ms/step - loss: 0.6923 - accuracy: 0.4914 - val_loss: 0.6859 - val_accuracy: 0.5733 - lr: 0.0090

Epoch 4/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6880 - accuracy: 0.5000
Epoch 4: val_loss improved from 0.68593 to 0.68512, saving model to tmp/Weights-004--0.68512.hdf5

11/11 [=====] - 0s 7ms/step - loss: 0.6911 - accuracy: 0.4971 - val_loss: 0.6851 - val_accuracy: 0.6000 - lr: 0.0090

Epoch 5/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6980 - accuracy: 0.4688
Epoch 5: val_loss improved from 0.68512 to 0.68459, saving model to tmp/Weights-005--0.68459.hdf5

11/11 [=====] - 0s 8ms/step - loss: 0.6905 - accuracy: 0.5287 - val_loss: 0.6846 - val_accuracy: 0.6067 - lr: 0.0090

Epoch 6/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6849 - accuracy: 0.5312
Epoch 6: val_loss improved from 0.68459 to 0.68405, saving model to tmp/Weights-006--0.68405.hdf5

11/11 [=====] - 0s 8ms/step - loss: 0.6906 - accuracy: 0.5546 - val_loss: 0.6840 - val_accuracy: 0.6000 - lr: 0.0090

Epoch 7/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6677 - accuracy: 0.7188
Epoch 7: val_loss improved from 0.68405 to 0.68350, saving model to tmp/Weights-007--0.68350.hdf5

11/11 [=====] - 0s 8ms/step - loss: 0.6900 - accuracy: 0.5374 - val_loss: 0.6835 - val_accuracy: 0.6133 - lr: 0.0090

Epoch 8/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6862 - accuracy: 0.5938
Epoch 8: val_loss improved from 0.68350 to 0.68299, saving model to tmp/Weights-008--0.68299.hdf5

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11/11 [=====] - 0s 9ms/step - loss: 0.6900 - accuracy: 0.  
4943 - val_loss: 0.6830 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 9/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6917 - accuracy: 0.5625  
Epoch 9: val_loss improved from 0.68299 to 0.68249, saving model to tmp/Weights-00  
9--0.68249.hdf5  
11/11 [=====] - 0s 8ms/step - loss: 0.6898 - accuracy: 0.  
5086 - val_loss: 0.6825 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 10/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6808 - accuracy: 0.5938  
Epoch 10: val_loss improved from 0.68249 to 0.68220, saving model to tmp/Weights-0  
10--0.68220.hdf5  
11/11 [=====] - 0s 7ms/step - loss: 0.6901 - accuracy: 0.  
5431 - val_loss: 0.6822 - val_accuracy: 0.6200 - lr: 0.0090  
Epoch 11/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6840 - accuracy: 0.6562  
Epoch 11: val_loss improved from 0.68220 to 0.68162, saving model to tmp/Weights-0  
11--0.68162.hdf5  
11/11 [=====] - 0s 7ms/step - loss: 0.6910 - accuracy: 0.  
4856 - val_loss: 0.6816 - val_accuracy: 0.5733 - lr: 0.0090  
Epoch 12/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6832 - accuracy: 0.5625  
Epoch 12: val_loss improved from 0.68162 to 0.68120, saving model to tmp/Weights-0  
12--0.68120.hdf5  
11/11 [=====] - 0s 7ms/step - loss: 0.6899 - accuracy: 0.  
5230 - val_loss: 0.6812 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 13/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6813 - accuracy: 0.6562  
Epoch 13: val_loss improved from 0.68120 to 0.68080, saving model to tmp/Weights-0  
13--0.68080.hdf5  
11/11 [=====] - 0s 9ms/step - loss: 0.6894 - accuracy: 0.  
5460 - val_loss: 0.6808 - val_accuracy: 0.6267 - lr: 0.0090  
Epoch 14/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7096 - accuracy: 0.3125  
Epoch 14: val_loss did not improve from 0.68080  
11/11 [=====] - 0s 6ms/step - loss: 0.6898 - accuracy: 0.  
5517 - val_loss: 0.6811 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 15/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6814 - accuracy: 0.6250  
Epoch 15: val_loss improved from 0.68080 to 0.68030, saving model to tmp/Weights-0  
15--0.68030.hdf5  
11/11 [=====] - 0s 7ms/step - loss: 0.6894 - accuracy: 0.  
5144 - val_loss: 0.6803 - val_accuracy: 0.5867 - lr: 0.0090  
Epoch 16/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6587 - accuracy: 0.7188  
Epoch 16: val_loss improved from 0.68030 to 0.67962, saving model to tmp/Weights-0  
16--0.67962.hdf5  
11/11 [=====] - 0s 8ms/step - loss: 0.6890 - accuracy: 0.  
4943 - val_loss: 0.6796 - val_accuracy: 0.6267 - lr: 0.0090  
Epoch 17/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6802 - accuracy: 0.6562  
Epoch 17: val_loss did not improve from 0.67962  
11/11 [=====] - 0s 6ms/step - loss: 0.6904 - accuracy: 0.  
5546 - val_loss: 0.6798 - val_accuracy: 0.6000 - lr: 0.0090  
Epoch 18/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6751 - accuracy: 0.6562  
Epoch 18: val_loss improved from 0.67962 to 0.67907, saving model to tmp/Weights-0  
18--0.67907.hdf5  
11/11 [=====] - 0s 8ms/step - loss: 0.6892 - accuracy: 0.  
5575 - val_loss: 0.6791 - val_accuracy: 0.6267 - lr: 0.0090  
Epoch 19/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6591 - accuracy: 0.5938  
Epoch 19: val_loss improved from 0.67907 to 0.67873, saving model to tmp/Weights-0  
19--0.67873.hdf5
```

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11/11 [=====] - 0s 7ms/step - loss: 0.6893 - accuracy: 0.4856 - val_loss: 0.6787 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 20/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6636 - accuracy: 0.6875
Epoch 20: val_loss improved from 0.67873 to 0.67852, saving model to tmp/Weights-020--0.67852.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6898 - accuracy: 0.5230 - val_loss: 0.6785 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 21/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6838 - accuracy: 0.6875
Epoch 21: val_loss improved from 0.67852 to 0.67799, saving model to tmp/Weights-021--0.67799.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6891 - accuracy: 0.5287 - val_loss: 0.6780 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 22/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6952 - accuracy: 0.4688
Epoch 22: val_loss improved from 0.67799 to 0.67790, saving model to tmp/Weights-022--0.67790.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6888 - accuracy: 0.4971 - val_loss: 0.6779 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 23/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6727 - accuracy: 0.6250
Epoch 23: val_loss improved from 0.67790 to 0.67782, saving model to tmp/Weights-023--0.67782.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6887 - accuracy: 0.5259 - val_loss: 0.6778 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 24/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7143 - accuracy: 0.3438
Epoch 24: val_loss did not improve from 0.67782
11/11 [=====] - 0s 7ms/step - loss: 0.6889 - accuracy: 0.5316 - val_loss: 0.6778 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 25/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6965 - accuracy: 0.5312
Epoch 25: val_loss improved from 0.67782 to 0.67777, saving model to tmp/Weights-025--0.67777.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6886 - accuracy: 0.5374 - val_loss: 0.6778 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 26/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7036 - accuracy: 0.5000
Epoch 26: val_loss improved from 0.67777 to 0.67743, saving model to tmp/Weights-026--0.67743.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6886 - accuracy: 0.5575 - val_loss: 0.6774 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 27/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6662 - accuracy: 0.6875
Epoch 27: val_loss improved from 0.67743 to 0.67712, saving model to tmp/Weights-027--0.67712.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6885 - accuracy: 0.5144 - val_loss: 0.6771 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 28/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6943 - accuracy: 0.5000
Epoch 28: val_loss did not improve from 0.67712
11/11 [=====] - 0s 7ms/step - loss: 0.6888 - accuracy: 0.5259 - val_loss: 0.6772 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 29/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6733 - accuracy: 0.6250
Epoch 29: val_loss improved from 0.67712 to 0.67669, saving model to tmp/Weights-029--0.67669.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6883 - accuracy: 0.5374 - val_loss: 0.6767 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 30/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6757 - accuracy: 0.5312
Epoch 30: val_loss improved from 0.67669 to 0.67644, saving model to tmp/Weights-030--0.67644.hdf5
```

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11/11 [=====] - 0s 8ms/step - loss: 0.6884 - accuracy: 0.4828 - val_loss: 0.6764 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 31/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6773 - accuracy: 0.5312
Epoch 31: val_loss did not improve from 0.67644
11/11 [=====] - 0s 7ms/step - loss: 0.6887 - accuracy: 0.5345 - val_loss: 0.6764 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 32/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7120 - accuracy: 0.4688
Epoch 32: val_loss improved from 0.67644 to 0.67628, saving model to tmp/Weights-032--0.67628.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6884 - accuracy: 0.5431 - val_loss: 0.6763 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 33/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7110 - accuracy: 0.3125
Epoch 33: val_loss did not improve from 0.67628
11/11 [=====] - 0s 6ms/step - loss: 0.6885 - accuracy: 0.5460 - val_loss: 0.6763 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 34/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6908 - accuracy: 0.5000
Epoch 34: val_loss did not improve from 0.67628
11/11 [=====] - 0s 7ms/step - loss: 0.6884 - accuracy: 0.5632 - val_loss: 0.6764 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 35/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6869 - accuracy: 0.5625
Epoch 35: val_loss improved from 0.67628 to 0.67586, saving model to tmp/Weights-035--0.67586.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6886 - accuracy: 0.5029 - val_loss: 0.6759 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 36/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7127 - accuracy: 0.4062
Epoch 36: val_loss did not improve from 0.67586
11/11 [=====] - 0s 8ms/step - loss: 0.6882 - accuracy: 0.5230 - val_loss: 0.6760 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 37/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7002 - accuracy: 0.5312
Epoch 37: val_loss improved from 0.67586 to 0.67558, saving model to tmp/Weights-037--0.67558.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6883 - accuracy: 0.5057 - val_loss: 0.6756 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 38/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6767 - accuracy: 0.4688
Epoch 38: val_loss did not improve from 0.67558
11/11 [=====] - 0s 8ms/step - loss: 0.6893 - accuracy: 0.5316 - val_loss: 0.6759 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 39/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6839 - accuracy: 0.6250
Epoch 39: val_loss improved from 0.67558 to 0.67523, saving model to tmp/Weights-039--0.67523.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6883 - accuracy: 0.5316 - val_loss: 0.6752 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 40/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7099 - accuracy: 0.3438
Epoch 40: val_loss improved from 0.67523 to 0.67437, saving model to tmp/Weights-040--0.67437.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6881 - accuracy: 0.5057 - val_loss: 0.6744 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 41/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6645 - accuracy: 0.6875
Epoch 41: val_loss did not improve from 0.67437
11/11 [=====] - 0s 7ms/step - loss: 0.6878 - accuracy: 0.5345 - val_loss: 0.6749 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 42/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6800 - accuracy: 0.6562
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Epoch 42: val_loss did not improve from 0.67437
11/11 [=====] - 0s 7ms/step - loss: 0.6879 - accuracy: 0.
5230 - val_loss: 0.6754 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 43/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6856 - accuracy: 0.5625
Epoch 43: val_loss did not improve from 0.67437
11/11 [=====] - 0s 7ms/step - loss: 0.6877 - accuracy: 0.
5460 - val_loss: 0.6754 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 44/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6595 - accuracy: 0.7188
Epoch 44: val_loss did not improve from 0.67437
11/11 [=====] - 0s 6ms/step - loss: 0.6873 - accuracy: 0.
5489 - val_loss: 0.6750 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 45/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6574 - accuracy: 0.5625
Epoch 45: val_loss did not improve from 0.67437
11/11 [=====] - 0s 6ms/step - loss: 0.6875 - accuracy: 0.
5144 - val_loss: 0.6747 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 46/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6706 - accuracy: 0.6562
Epoch 46: val_loss did not improve from 0.67437
11/11 [=====] - 0s 6ms/step - loss: 0.6879 - accuracy: 0.
5402 - val_loss: 0.6751 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 47/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6766 - accuracy: 0.5312
Epoch 47: val_loss did not improve from 0.67437
11/11 [=====] - 0s 6ms/step - loss: 0.6884 - accuracy: 0.
5316 - val_loss: 0.6745 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 48/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7209 - accuracy: 0.4062
Epoch 48: val_loss did not improve from 0.67437
11/11 [=====] - 0s 7ms/step - loss: 0.6876 - accuracy: 0.
5259 - val_loss: 0.6746 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 49/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6988 - accuracy: 0.4688
Epoch 49: val_loss improved from 0.67437 to 0.67419, saving model to tmp/Weights-0
49--0.67419.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6875 - accuracy: 0.
5086 - val_loss: 0.6742 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 50/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7045 - accuracy: 0.4688
Epoch 50: val_loss did not improve from 0.67419
11/11 [=====] - 0s 7ms/step - loss: 0.6877 - accuracy: 0.
5546 - val_loss: 0.6750 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 51/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6869 - accuracy: 0.6250
Epoch 51: val_loss did not improve from 0.67419
11/11 [=====] - 0s 6ms/step - loss: 0.6869 - accuracy: 0.
5632 - val_loss: 0.6742 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 52/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6960 - accuracy: 0.5000
Epoch 52: val_loss did not improve from 0.67419
11/11 [=====] - 0s 6ms/step - loss: 0.6874 - accuracy: 0.
5603 - val_loss: 0.6745 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 53/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7213 - accuracy: 0.3750
Epoch 53: val_loss improved from 0.67419 to 0.67391, saving model to tmp/Weights-0
53--0.67391.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6881 - accuracy: 0.
5029 - val_loss: 0.6739 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 54/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6629 - accuracy: 0.7188
Epoch 54: val_loss improved from 0.67391 to 0.67372, saving model to tmp/Weights-0
54--0.67372.hdf5
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11/11 [=====] - 0s 8ms/step - loss: 0.6872 - accuracy: 0.  
5144 - val_loss: 0.6737 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 55/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7010 - accuracy: 0.4688  
Epoch 55: val_loss did not improve from 0.67372  
11/11 [=====] - 0s 7ms/step - loss: 0.6864 - accuracy: 0.  
5632 - val_loss: 0.6737 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 56/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6869 - accuracy: 0.5000  
Epoch 56: val_loss improved from 0.67372 to 0.67357, saving model to tmp/Weights-0  
56--0.67357.hdf5  
11/11 [=====] - 0s 9ms/step - loss: 0.6863 - accuracy: 0.  
5431 - val_loss: 0.6736 - val_accuracy: 0.6000 - lr: 0.0090  
Epoch 57/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6755 - accuracy: 0.5938  
Epoch 57: val_loss improved from 0.67357 to 0.67329, saving model to tmp/Weights-0  
57--0.67329.hdf5  
11/11 [=====] - 0s 8ms/step - loss: 0.6865 - accuracy: 0.  
5259 - val_loss: 0.6733 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 58/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7059 - accuracy: 0.4688  
Epoch 58: val_loss did not improve from 0.67329  
11/11 [=====] - 0s 6ms/step - loss: 0.6869 - accuracy: 0.  
5517 - val_loss: 0.6735 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 59/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7023 - accuracy: 0.4062  
Epoch 59: val_loss improved from 0.67329 to 0.67295, saving model to tmp/Weights-0  
59--0.67295.hdf5  
11/11 [=====] - 0s 8ms/step - loss: 0.6866 - accuracy: 0.  
5259 - val_loss: 0.6729 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 60/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6820 - accuracy: 0.5312  
Epoch 60: val_loss improved from 0.67295 to 0.67253, saving model to tmp/Weights-0  
60--0.67253.hdf5  
11/11 [=====] - 0s 8ms/step - loss: 0.6858 - accuracy: 0.  
4885 - val_loss: 0.6725 - val_accuracy: 0.6000 - lr: 0.0090  
Epoch 61/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6783 - accuracy: 0.6562  
Epoch 61: val_loss did not improve from 0.67253  
11/11 [=====] - 0s 7ms/step - loss: 0.6856 - accuracy: 0.  
5489 - val_loss: 0.6731 - val_accuracy: 0.6200 - lr: 0.0090  
Epoch 62/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6935 - accuracy: 0.5312  
Epoch 62: val_loss did not improve from 0.67253  
11/11 [=====] - 0s 6ms/step - loss: 0.6850 - accuracy: 0.  
5776 - val_loss: 0.6726 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 63/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6983 - accuracy: 0.5312  
Epoch 63: val_loss improved from 0.67253 to 0.67221, saving model to tmp/Weights-0  
63--0.67221.hdf5  
11/11 [=====] - 0s 8ms/step - loss: 0.6851 - accuracy: 0.  
5402 - val_loss: 0.6722 - val_accuracy: 0.6000 - lr: 0.0090  
Epoch 64/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6771 - accuracy: 0.4375  
Epoch 64: val_loss improved from 0.67221 to 0.67177, saving model to tmp/Weights-0  
64--0.67177.hdf5  
11/11 [=====] - 0s 8ms/step - loss: 0.6847 - accuracy: 0.  
5345 - val_loss: 0.6718 - val_accuracy: 0.6000 - lr: 0.0090  
Epoch 65/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7002 - accuracy: 0.5312  
Epoch 65: val_loss did not improve from 0.67177  
11/11 [=====] - 0s 6ms/step - loss: 0.6854 - accuracy: 0.  
5000 - val_loss: 0.6722 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 66/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.7042 - accuracy: 0.4688
Epoch 66: val_loss improved from 0.67177 to 0.67104, saving model to tmp/Weights-0
66--0.67104.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6861 - accuracy: 0.
4770 - val_loss: 0.6710 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 67/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6367 - accuracy: 0.6562
Epoch 67: val_loss did not improve from 0.67104
11/11 [=====] - 0s 6ms/step - loss: 0.6841 - accuracy: 0.
5374 - val_loss: 0.6718 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 68/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6909 - accuracy: 0.3750
Epoch 68: val_loss did not improve from 0.67104
11/11 [=====] - 0s 7ms/step - loss: 0.6839 - accuracy: 0.
5661 - val_loss: 0.6718 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 69/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6730 - accuracy: 0.6250
Epoch 69: val_loss did not improve from 0.67104
11/11 [=====] - 0s 6ms/step - loss: 0.6836 - accuracy: 0.
5747 - val_loss: 0.6716 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 70/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7027 - accuracy: 0.5000
Epoch 70: val_loss did not improve from 0.67104
11/11 [=====] - 0s 8ms/step - loss: 0.6833 - accuracy: 0.
5718 - val_loss: 0.6712 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 71/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6624 - accuracy: 0.5938
Epoch 71: val_loss improved from 0.67104 to 0.67073, saving model to tmp/Weights-0
71--0.67073.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6834 - accuracy: 0.
5259 - val_loss: 0.6707 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 72/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6758 - accuracy: 0.4688
Epoch 72: val_loss improved from 0.67073 to 0.67023, saving model to tmp/Weights-0
72--0.67023.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6830 - accuracy: 0.
4856 - val_loss: 0.6702 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 73/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6775 - accuracy: 0.5000
Epoch 73: val_loss did not improve from 0.67023
11/11 [=====] - 0s 7ms/step - loss: 0.6826 - accuracy: 0.
5000 - val_loss: 0.6704 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 74/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6451 - accuracy: 0.7188
Epoch 74: val_loss improved from 0.67023 to 0.66997, saving model to tmp/Weights-0
74--0.66997.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6825 - accuracy: 0.
5345 - val_loss: 0.6700 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 75/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6628 - accuracy: 0.5938
Epoch 75: val_loss did not improve from 0.66997
11/11 [=====] - 0s 6ms/step - loss: 0.6820 - accuracy: 0.
5603 - val_loss: 0.6704 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 76/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6641 - accuracy: 0.6562
Epoch 76: val_loss did not improve from 0.66997
11/11 [=====] - 0s 6ms/step - loss: 0.6817 - accuracy: 0.
5603 - val_loss: 0.6701 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 77/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6835 - accuracy: 0.5000
Epoch 77: val_loss improved from 0.66997 to 0.66992, saving model to tmp/Weights-0
77--0.66992.hdf5
11/11 [=====] - 0s 7ms/step - loss: 0.6814 - accuracy: 0.
5632 - val_loss: 0.6699 - val_accuracy: 0.5933 - lr: 0.0090
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Epoch 78/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7043 - accuracy: 0.5312
Epoch 78: val_loss improved from 0.66992 to 0.66913, saving model to tmp/Weights-0
78--0.66913.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6815 - accuracy: 0.
5431 - val_loss: 0.6691 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 79/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7091 - accuracy: 0.4062
Epoch 79: val_loss did not improve from 0.66913
11/11 [=====] - 0s 6ms/step - loss: 0.6814 - accuracy: 0.
5345 - val_loss: 0.6697 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 80/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6803 - accuracy: 0.5000
Epoch 80: val_loss improved from 0.66913 to 0.66894, saving model to tmp/Weights-0
80--0.66894.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6805 - accuracy: 0.
5517 - val_loss: 0.6689 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 81/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7101 - accuracy: 0.3750
Epoch 81: val_loss improved from 0.66894 to 0.66869, saving model to tmp/Weights-0
81--0.66869.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6804 - accuracy: 0.
5374 - val_loss: 0.6687 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 82/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6872 - accuracy: 0.5312
Epoch 82: val_loss improved from 0.66869 to 0.66855, saving model to tmp/Weights-0
82--0.66855.hdf5
11/11 [=====] - 0s 7ms/step - loss: 0.6799 - accuracy: 0.
5201 - val_loss: 0.6685 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 83/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6529 - accuracy: 0.5625
Epoch 83: val_loss did not improve from 0.66855
11/11 [=====] - 0s 7ms/step - loss: 0.6799 - accuracy: 0.
5460 - val_loss: 0.6688 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 84/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6751 - accuracy: 0.5312
Epoch 84: val_loss improved from 0.66855 to 0.66834, saving model to tmp/Weights-0
84--0.66834.hdf5
11/11 [=====] - 0s 7ms/step - loss: 0.6796 - accuracy: 0.
5603 - val_loss: 0.6683 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 85/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6750 - accuracy: 0.5938
Epoch 85: val_loss improved from 0.66834 to 0.66804, saving model to tmp/Weights-0
85--0.66804.hdf5
11/11 [=====] - 0s 7ms/step - loss: 0.6798 - accuracy: 0.
5316 - val_loss: 0.6680 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 86/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6477 - accuracy: 0.5938
Epoch 86: val_loss improved from 0.66804 to 0.66793, saving model to tmp/Weights-0
86--0.66793.hdf5
11/11 [=====] - 0s 7ms/step - loss: 0.6794 - accuracy: 0.
5000 - val_loss: 0.6679 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 87/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6802 - accuracy: 0.4375
Epoch 87: val_loss did not improve from 0.66793
11/11 [=====] - 0s 6ms/step - loss: 0.6796 - accuracy: 0.
5374 - val_loss: 0.6680 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 88/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6634 - accuracy: 0.5625
Epoch 88: val_loss did not improve from 0.66793
11/11 [=====] - 0s 6ms/step - loss: 0.6785 - accuracy: 0.
5632 - val_loss: 0.6681 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 89/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6996 - accuracy: 0.4688
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Epoch 89: val_loss did not improve from 0.66793
11/11 [=====] - 0s 6ms/step - loss: 0.6790 - accuracy: 0.
5661 - val_loss: 0.6682 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 90/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6671 - accuracy: 0.6875
Epoch 90: val_loss improved from 0.66793 to 0.66722, saving model to tmp/Weights-0
90--0.66722.hdf5
11/11 [=====] - 0s 7ms/step - loss: 0.6792 - accuracy: 0.
5115 - val_loss: 0.6672 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 91/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6722 - accuracy: 0.5312
Epoch 91: val_loss improved from 0.66722 to 0.66709, saving model to tmp/Weights-0
91--0.66709.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6781 - accuracy: 0.
4943 - val_loss: 0.6671 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 92/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6701 - accuracy: 0.4688
Epoch 92: val_loss improved from 0.66709 to 0.66709, saving model to tmp/Weights-0
92--0.66709.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6779 - accuracy: 0.
5000 - val_loss: 0.6671 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 93/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7106 - accuracy: 0.4062
Epoch 93: val_loss did not improve from 0.66709
11/11 [=====] - 0s 6ms/step - loss: 0.6795 - accuracy: 0.
5431 - val_loss: 0.6680 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 94/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6941 - accuracy: 0.4375
Epoch 94: val_loss improved from 0.66709 to 0.66696, saving model to tmp/Weights-0
94--0.66696.hdf5
11/11 [=====] - 0s 7ms/step - loss: 0.6776 - accuracy: 0.
5431 - val_loss: 0.6670 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 95/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6650 - accuracy: 0.5312
Epoch 95: val_loss improved from 0.66696 to 0.66677, saving model to tmp/Weights-0
95--0.66677.hdf5
11/11 [=====] - 0s 7ms/step - loss: 0.6766 - accuracy: 0.
5259 - val_loss: 0.6668 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 96/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6642 - accuracy: 0.6250
Epoch 96: val_loss did not improve from 0.66677
11/11 [=====] - 0s 6ms/step - loss: 0.6771 - accuracy: 0.
5115 - val_loss: 0.6668 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 97/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7099 - accuracy: 0.4375
Epoch 97: val_loss improved from 0.66677 to 0.66675, saving model to tmp/Weights-0
97--0.66675.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6763 - accuracy: 0.
5172 - val_loss: 0.6668 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 98/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6843 - accuracy: 0.5938
Epoch 98: val_loss improved from 0.66675 to 0.66643, saving model to tmp/Weights-0
98--0.66643.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6763 - accuracy: 0.
5259 - val_loss: 0.6664 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 99/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6762 - accuracy: 0.6250
Epoch 99: val_loss did not improve from 0.66643
11/11 [=====] - 0s 7ms/step - loss: 0.6764 - accuracy: 0.
5374 - val_loss: 0.6666 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 100/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6896 - accuracy: 0.4688
Epoch 100: val_loss did not improve from 0.66643
11/11 [=====] - 0s 6ms/step - loss: 0.6766 - accuracy: 0.
```

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5690 - val_loss: 0.6667 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 101/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6627 - accuracy: 0.6562
Epoch 101: val_loss improved from 0.66643 to 0.66612, saving model to tmp/Weights-101--0.66612.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6758 - accuracy: 0.5546 - val_loss: 0.6661 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 102/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6827 - accuracy: 0.4375
Epoch 102: val_loss improved from 0.66612 to 0.66600, saving model to tmp/Weights-102--0.66600.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6765 - accuracy: 0.5172 - val_loss: 0.6660 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 103/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7016 - accuracy: 0.4375
Epoch 103: val_loss did not improve from 0.66600
11/11 [=====] - 0s 6ms/step - loss: 0.6758 - accuracy: 0.5057 - val_loss: 0.6662 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 104/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6589 - accuracy: 0.5625
Epoch 104: val_loss did not improve from 0.66600
11/11 [=====] - 0s 7ms/step - loss: 0.6752 - accuracy: 0.5402 - val_loss: 0.6662 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 105/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6529 - accuracy: 0.6562
Epoch 105: val_loss improved from 0.66600 to 0.66588, saving model to tmp/Weights-105--0.66588.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6746 - accuracy: 0.5460 - val_loss: 0.6659 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 106/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7025 - accuracy: 0.5312
Epoch 106: val_loss did not improve from 0.66588
11/11 [=====] - 0s 6ms/step - loss: 0.6750 - accuracy: 0.5546 - val_loss: 0.6660 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 107/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6711 - accuracy: 0.6250
Epoch 107: val_loss did not improve from 0.66588
11/11 [=====] - 0s 7ms/step - loss: 0.6764 - accuracy: 0.5029 - val_loss: 0.6672 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 108/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6238 - accuracy: 0.5938
Epoch 108: val_loss improved from 0.66588 to 0.66542, saving model to tmp/Weights-108--0.66542.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6750 - accuracy: 0.5115 - val_loss: 0.6654 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 109/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6723 - accuracy: 0.5625
Epoch 109: val_loss did not improve from 0.66542
11/11 [=====] - 0s 6ms/step - loss: 0.6741 - accuracy: 0.5029 - val_loss: 0.6655 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 110/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6833 - accuracy: 0.5000
Epoch 110: val_loss did not improve from 0.66542
11/11 [=====] - 0s 6ms/step - loss: 0.6736 - accuracy: 0.5517 - val_loss: 0.6658 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 111/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6768 - accuracy: 0.5000
Epoch 111: val_loss did not improve from 0.66542
11/11 [=====] - 0s 8ms/step - loss: 0.6751 - accuracy: 0.5287 - val_loss: 0.6656 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 112/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6648 - accuracy: 0.4688
Epoch 112: val_loss did not improve from 0.66542
11/11 [=====] - 0s 6ms/step - loss: 0.6735 - accuracy: 0.
```

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5402 - val_loss: 0.6655 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 113/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6969 - accuracy: 0.5625
Epoch 113: val_loss improved from 0.66542 to 0.66530, saving model to tmp/Weights-113--0.66530.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6734 - accuracy: 0.
5546 - val_loss: 0.6653 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 114/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6966 - accuracy: 0.4688
Epoch 114: val_loss improved from 0.66530 to 0.66518, saving model to tmp/Weights-114--0.66518.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6738 - accuracy: 0.
5057 - val_loss: 0.6652 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 115/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6923 - accuracy: 0.4375
Epoch 115: val_loss improved from 0.66518 to 0.66511, saving model to tmp/Weights-115--0.66511.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6730 - accuracy: 0.
4971 - val_loss: 0.6651 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 116/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6711 - accuracy: 0.4688
Epoch 116: val_loss did not improve from 0.66511
11/11 [=====] - 0s 6ms/step - loss: 0.6733 - accuracy: 0.
5374 - val_loss: 0.6654 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 117/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6900 - accuracy: 0.5312
Epoch 117: val_loss improved from 0.66511 to 0.66489, saving model to tmp/Weights-117--0.66489.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6736 - accuracy: 0.
5230 - val_loss: 0.6649 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 118/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6717 - accuracy: 0.5000
Epoch 118: val_loss did not improve from 0.66489
11/11 [=====] - 0s 7ms/step - loss: 0.6723 - accuracy: 0.
5057 - val_loss: 0.6650 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 119/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6561 - accuracy: 0.5625
Epoch 119: val_loss did not improve from 0.66489
11/11 [=====] - 0s 7ms/step - loss: 0.6724 - accuracy: 0.
5259 - val_loss: 0.6650 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 120/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6799 - accuracy: 0.5000
Epoch 120: val_loss did not improve from 0.66489
11/11 [=====] - 0s 8ms/step - loss: 0.6729 - accuracy: 0.
5086 - val_loss: 0.6656 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 121/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6812 - accuracy: 0.5312
Epoch 121: val_loss improved from 0.66489 to 0.66480, saving model to tmp/Weights-121--0.66480.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6715 - accuracy: 0.
5057 - val_loss: 0.6648 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 122/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6463 - accuracy: 0.5312
Epoch 122: val_loss did not improve from 0.66480
11/11 [=====] - 0s 8ms/step - loss: 0.6721 - accuracy: 0.
5374 - val_loss: 0.6651 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 123/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6781 - accuracy: 0.4375
Epoch 123: val_loss did not improve from 0.66480
11/11 [=====] - 0s 6ms/step - loss: 0.6717 - accuracy: 0.
5718 - val_loss: 0.6650 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 124/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6689 - accuracy: 0.5625
Epoch 124: val_loss did not improve from 0.66480
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11/11 [=====] - 0s 7ms/step - loss: 0.6717 - accuracy: 0.  
5517 - val_loss: 0.6649 - val_accuracy: 0.5200 - lr: 0.0090  
Epoch 125/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6421 - accuracy: 0.6250  
Epoch 125: val_loss did not improve from 0.66480  
11/11 [=====] - 0s 7ms/step - loss: 0.6710 - accuracy: 0.  
5316 - val_loss: 0.6650 - val_accuracy: 0.5133 - lr: 0.0090  
Epoch 126/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6831 - accuracy: 0.5625  
Epoch 126: val_loss did not improve from 0.66480  
11/11 [=====] - 0s 8ms/step - loss: 0.6712 - accuracy: 0.  
5057 - val_loss: 0.6649 - val_accuracy: 0.5267 - lr: 0.0090  
Epoch 127/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6513 - accuracy: 0.5000  
Epoch 127: val_loss did not improve from 0.66480  
11/11 [=====] - 0s 7ms/step - loss: 0.6709 - accuracy: 0.  
5374 - val_loss: 0.6651 - val_accuracy: 0.5200 - lr: 0.0090  
Epoch 128/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6858 - accuracy: 0.6250  
Epoch 128: val_loss did not improve from 0.66480  
11/11 [=====] - 0s 7ms/step - loss: 0.6707 - accuracy: 0.  
5402 - val_loss: 0.6652 - val_accuracy: 0.5133 - lr: 0.0090  
Epoch 129/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6446 - accuracy: 0.7188  
Epoch 129: val_loss did not improve from 0.66480  
11/11 [=====] - 0s 7ms/step - loss: 0.6710 - accuracy: 0.  
5115 - val_loss: 0.6653 - val_accuracy: 0.5200 - lr: 0.0090  
Epoch 130/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6643 - accuracy: 0.4688  
Epoch 130: val_loss did not improve from 0.66480  
11/11 [=====] - 0s 6ms/step - loss: 0.6705 - accuracy: 0.  
5144 - val_loss: 0.6652 - val_accuracy: 0.5267 - lr: 0.0090  
Epoch 131/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6778 - accuracy: 0.4375  
Epoch 131: val_loss did not improve from 0.66480  
11/11 [=====] - 0s 8ms/step - loss: 0.6706 - accuracy: 0.  
5460 - val_loss: 0.6654 - val_accuracy: 0.5333 - lr: 0.0090  
Epoch 132/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6716 - accuracy: 0.6562  
Epoch 132: val_loss did not improve from 0.66480  
11/11 [=====] - 0s 7ms/step - loss: 0.6707 - accuracy: 0.  
5374 - val_loss: 0.6654 - val_accuracy: 0.5333 - lr: 0.0090  
Epoch 133/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6697 - accuracy: 0.6562  
Epoch 133: val_loss did not improve from 0.66480  
11/11 [=====] - 0s 6ms/step - loss: 0.6702 - accuracy: 0.  
5029 - val_loss: 0.6655 - val_accuracy: 0.5333 - lr: 0.0090  
Epoch 134/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6710 - accuracy: 0.5625  
Epoch 134: val_loss did not improve from 0.66480  
11/11 [=====] - 0s 7ms/step - loss: 0.6701 - accuracy: 0.  
5029 - val_loss: 0.6652 - val_accuracy: 0.5333 - lr: 0.0090  
Epoch 135/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6808 - accuracy: 0.4062  
Epoch 135: val_loss did not improve from 0.66480  
11/11 [=====] - 0s 6ms/step - loss: 0.6695 - accuracy: 0.  
5402 - val_loss: 0.6658 - val_accuracy: 0.5333 - lr: 0.0090  
Epoch 136/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6725 - accuracy: 0.6250  
Epoch 136: val_loss did not improve from 0.66480  
11/11 [=====] - 0s 8ms/step - loss: 0.6695 - accuracy: 0.  
5575 - val_loss: 0.6660 - val_accuracy: 0.5333 - lr: 0.0090  
Epoch 137/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6735 - accuracy: 0.5938
```

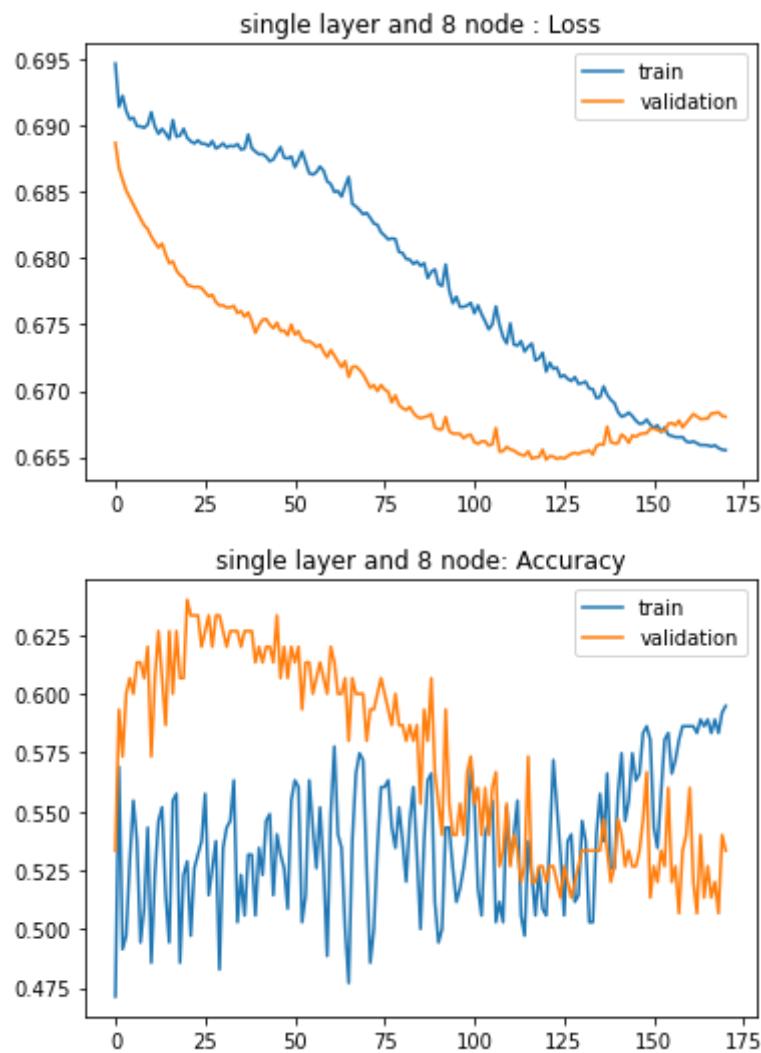
```
Epoch 137: val_loss did not improve from 0.66480
11/11 [=====] - 0s 6ms/step - loss: 0.6703 - accuracy: 0.
5374 - val_loss: 0.6659 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 138/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6961 - accuracy: 0.4375
Epoch 138: val_loss did not improve from 0.66480
11/11 [=====] - 0s 7ms/step - loss: 0.6697 - accuracy: 0.
5661 - val_loss: 0.6673 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 139/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6758 - accuracy: 0.6562
Epoch 139: val_loss did not improve from 0.66480
11/11 [=====] - 0s 6ms/step - loss: 0.6693 - accuracy: 0.
5259 - val_loss: 0.6661 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 140/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6827 - accuracy: 0.6250
Epoch 140: val_loss did not improve from 0.66480
11/11 [=====] - 0s 6ms/step - loss: 0.6691 - accuracy: 0.
5259 - val_loss: 0.6660 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 141/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6746 - accuracy: 0.5625
Epoch 141: val_loss did not improve from 0.66480

Epoch 141: ReduceLROnPlateau reducing learning rate to 0.0044999998062849045.
11/11 [=====] - 0s 7ms/step - loss: 0.6684 - accuracy: 0.
5575 - val_loss: 0.6660 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 142/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6445 - accuracy: 0.5625
Epoch 142: val_loss did not improve from 0.66480
11/11 [=====] - 0s 7ms/step - loss: 0.6680 - accuracy: 0.
5747 - val_loss: 0.6667 - val_accuracy: 0.5400 - lr: 0.0045
Epoch 143/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6588 - accuracy: 0.6250
Epoch 143: val_loss did not improve from 0.66480
11/11 [=====] - 0s 7ms/step - loss: 0.6681 - accuracy: 0.
5460 - val_loss: 0.6665 - val_accuracy: 0.5267 - lr: 0.0045
Epoch 144/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6460 - accuracy: 0.6875
Epoch 144: val_loss did not improve from 0.66480
11/11 [=====] - 0s 6ms/step - loss: 0.6684 - accuracy: 0.
5546 - val_loss: 0.6661 - val_accuracy: 0.5333 - lr: 0.0045
Epoch 145/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6505 - accuracy: 0.6250
Epoch 145: val_loss did not improve from 0.66480
11/11 [=====] - 0s 6ms/step - loss: 0.6681 - accuracy: 0.
5747 - val_loss: 0.6666 - val_accuracy: 0.5267 - lr: 0.0045
Epoch 146/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7029 - accuracy: 0.3750
Epoch 146: val_loss did not improve from 0.66480
11/11 [=====] - 0s 7ms/step - loss: 0.6677 - accuracy: 0.
5632 - val_loss: 0.6665 - val_accuracy: 0.5267 - lr: 0.0045
Epoch 147/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6395 - accuracy: 0.5938
Epoch 147: val_loss did not improve from 0.66480
11/11 [=====] - 0s 7ms/step - loss: 0.6675 - accuracy: 0.
5661 - val_loss: 0.6667 - val_accuracy: 0.5333 - lr: 0.0045
Epoch 148/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6911 - accuracy: 0.5938
Epoch 148: val_loss did not improve from 0.66480
11/11 [=====] - 0s 7ms/step - loss: 0.6676 - accuracy: 0.
5833 - val_loss: 0.6668 - val_accuracy: 0.5467 - lr: 0.0045
Epoch 149/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6800 - accuracy: 0.5000
Epoch 149: val_loss did not improve from 0.66480
11/11 [=====] - 0s 7ms/step - loss: 0.6678 - accuracy: 0.
```

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5862 - val_loss: 0.6668 - val_accuracy: 0.5667 - lr: 0.0045
Epoch 150/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6481 - accuracy: 0.5938
Epoch 150: val_loss did not improve from 0.66480
11/11 [=====] - 0s 7ms/step - loss: 0.6674 - accuracy: 0.
5805 - val_loss: 0.6671 - val_accuracy: 0.5133 - lr: 0.0045
Epoch 151/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6594 - accuracy: 0.5938
Epoch 151: val_loss did not improve from 0.66480
11/11 [=====] - 0s 8ms/step - loss: 0.6672 - accuracy: 0.
5431 - val_loss: 0.6672 - val_accuracy: 0.5267 - lr: 0.0045
Epoch 152/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6566 - accuracy: 0.5625
Epoch 152: val_loss did not improve from 0.66480
11/11 [=====] - 0s 7ms/step - loss: 0.6674 - accuracy: 0.
5345 - val_loss: 0.6670 - val_accuracy: 0.5200 - lr: 0.0045
Epoch 153/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6634 - accuracy: 0.5625
Epoch 153: val_loss did not improve from 0.66480
11/11 [=====] - 0s 6ms/step - loss: 0.6669 - accuracy: 0.
5575 - val_loss: 0.6670 - val_accuracy: 0.5333 - lr: 0.0045
Epoch 154/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6541 - accuracy: 0.5938
Epoch 154: val_loss did not improve from 0.66480
11/11 [=====] - 0s 7ms/step - loss: 0.6672 - accuracy: 0.
5805 - val_loss: 0.6670 - val_accuracy: 0.5267 - lr: 0.0045
Epoch 155/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6915 - accuracy: 0.6250
Epoch 155: val_loss did not improve from 0.66480
11/11 [=====] - 0s 7ms/step - loss: 0.6667 - accuracy: 0.
5833 - val_loss: 0.6675 - val_accuracy: 0.5600 - lr: 0.0045
Epoch 156/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6623 - accuracy: 0.5625
Epoch 156: val_loss did not improve from 0.66480
11/11 [=====] - 0s 6ms/step - loss: 0.6666 - accuracy: 0.
5661 - val_loss: 0.6676 - val_accuracy: 0.5200 - lr: 0.0045
Epoch 157/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6264 - accuracy: 0.6875
Epoch 157: val_loss did not improve from 0.66480
11/11 [=====] - 0s 8ms/step - loss: 0.6665 - accuracy: 0.
5718 - val_loss: 0.6674 - val_accuracy: 0.5267 - lr: 0.0045
Epoch 158/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6404 - accuracy: 0.6250
Epoch 158: val_loss did not improve from 0.66480
11/11 [=====] - 0s 6ms/step - loss: 0.6665 - accuracy: 0.
5805 - val_loss: 0.6678 - val_accuracy: 0.5067 - lr: 0.0045
Epoch 159/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6863 - accuracy: 0.5625
Epoch 159: val_loss did not improve from 0.66480
11/11 [=====] - 0s 7ms/step - loss: 0.6665 - accuracy: 0.
5862 - val_loss: 0.6672 - val_accuracy: 0.5333 - lr: 0.0045
Epoch 160/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6257 - accuracy: 0.5625
Epoch 160: val_loss did not improve from 0.66480
11/11 [=====] - 0s 6ms/step - loss: 0.6662 - accuracy: 0.
5862 - val_loss: 0.6676 - val_accuracy: 0.5400 - lr: 0.0045
Epoch 161/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6614 - accuracy: 0.4375
Epoch 161: val_loss did not improve from 0.66480

Epoch 161: ReduceLROnPlateau reducing learning rate to 0.002249999031424522.
11/11 [=====] - 0s 7ms/step - loss: 0.6661 - accuracy: 0.
5862 - val_loss: 0.6679 - val_accuracy: 0.5600 - lr: 0.0045
Epoch 162/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6688 - accuracy: 0.5625
Epoch 162: val_loss did not improve from 0.66480
11/11 [=====] - 0s 8ms/step - loss: 0.6662 - accuracy: 0.
5862 - val_loss: 0.6682 - val_accuracy: 0.5200 - lr: 0.0022
Epoch 163/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6002 - accuracy: 0.6562
Epoch 163: val_loss did not improve from 0.66480
11/11 [=====] - 0s 7ms/step - loss: 0.6660 - accuracy: 0.
5833 - val_loss: 0.6681 - val_accuracy: 0.5067 - lr: 0.0022
Epoch 164/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6983 - accuracy: 0.5625
Epoch 164: val_loss did not improve from 0.66480
11/11 [=====] - 0s 7ms/step - loss: 0.6659 - accuracy: 0.
5891 - val_loss: 0.6679 - val_accuracy: 0.5400 - lr: 0.0022
Epoch 165/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6292 - accuracy: 0.6562
Epoch 165: val_loss did not improve from 0.66480
11/11 [=====] - 0s 8ms/step - loss: 0.6659 - accuracy: 0.
5862 - val_loss: 0.6679 - val_accuracy: 0.5133 - lr: 0.0022
Epoch 166/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6550 - accuracy: 0.6250
Epoch 166: val_loss did not improve from 0.66480
11/11 [=====] - 0s 8ms/step - loss: 0.6659 - accuracy: 0.
5891 - val_loss: 0.6679 - val_accuracy: 0.5267 - lr: 0.0022
Epoch 167/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6794 - accuracy: 0.5625
Epoch 167: val_loss did not improve from 0.66480
11/11 [=====] - 0s 7ms/step - loss: 0.6658 - accuracy: 0.
5833 - val_loss: 0.6683 - val_accuracy: 0.5133 - lr: 0.0022
Epoch 168/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6846 - accuracy: 0.5312
Epoch 168: val_loss did not improve from 0.66480
11/11 [=====] - 0s 8ms/step - loss: 0.6659 - accuracy: 0.
5891 - val_loss: 0.6683 - val_accuracy: 0.5200 - lr: 0.0022
Epoch 169/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6713 - accuracy: 0.5625
Epoch 169: val_loss did not improve from 0.66480
11/11 [=====] - 0s 7ms/step - loss: 0.6657 - accuracy: 0.
5833 - val_loss: 0.6684 - val_accuracy: 0.5067 - lr: 0.0022
Epoch 170/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6651 - accuracy: 0.5312
Epoch 170: val_loss did not improve from 0.66480
11/11 [=====] - 0s 7ms/step - loss: 0.6656 - accuracy: 0.
5920 - val_loss: 0.6681 - val_accuracy: 0.5400 - lr: 0.0022
Epoch 171/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6340 - accuracy: 0.5000
Epoch 171: val_loss did not improve from 0.66480
11/11 [=====] - 0s 6ms/step - loss: 0.6655 - accuracy: 0.
5948 - val_loss: 0.6680 - val_accuracy: 0.5333 - lr: 0.0022
Epoch 171: early stopping
Final training loss for single layer and 8 node: 0.6655239462852478
Final training accuracy for single layer and 8 node 0.5948275923728943
Final validation loss for single layer and 8 node 0.668043851852417
Final validation accuracy for single layer and 8 node 0.5333333611488342
```



>>>>>>>>>>>>> Model training with single layer and 12 node>>>>>>>>>>

Model: "sequential_31"

Layer (type)	Output Shape	Param #
<hr/>		
dense_83 (Dense)	(None, 12)	36
dense_84 (Dense)	(None, 1)	13
<hr/>		
Total params: 49		
Trainable params: 49		
Non-trainable params: 0		

None

Epoch 1/1000

1/11 [=>.....] - ETA: 4s - loss: 0.7006 - accuracy: 0.4375
Epoch 1: val_loss improved from inf to 0.69642, saving model to tmp/Weights-001--0.69642.hdf5

11/11 [=====] - 1s 21ms/step - loss: 0.6999 - accuracy: 0.4713 - val_loss: 0.6964 - val_accuracy: 0.5067 - lr: 0.0090

Epoch 2/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6940 - accuracy: 0.5938
Epoch 2: val_loss improved from 0.69642 to 0.69182, saving model to tmp/Weights-002--0.69182.hdf5

11/11 [=====] - 0s 9ms/step - loss: 0.6914 - accuracy: 0.5345 - val_loss: 0.6918 - val_accuracy: 0.4800 - lr: 0.0090

Epoch 3/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6956 - accuracy: 0.5625
Epoch 3: val_loss improved from 0.69182 to 0.69002, saving model to tmp/Weights-003--0.69002.hdf5

11/11 [=====] - 0s 8ms/step - loss: 0.6937 - accuracy: 0.5029 - val_loss: 0.6900 - val_accuracy: 0.4733 - lr: 0.0090

Epoch 4/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6828 - accuracy: 0.6875
Epoch 4: val_loss improved from 0.69002 to 0.68936, saving model to tmp/Weights-004--0.68936.hdf5

11/11 [=====] - 0s 9ms/step - loss: 0.6908 - accuracy: 0.5259 - val_loss: 0.6894 - val_accuracy: 0.5267 - lr: 0.0090

Epoch 5/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6978 - accuracy: 0.4375
Epoch 5: val_loss improved from 0.68936 to 0.68800, saving model to tmp/Weights-005--0.68800.hdf5

11/11 [=====] - 0s 9ms/step - loss: 0.6899 - accuracy: 0.5000 - val_loss: 0.6880 - val_accuracy: 0.5467 - lr: 0.0090

Epoch 6/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6722 - accuracy: 0.5938
Epoch 6: val_loss improved from 0.68800 to 0.68587, saving model to tmp/Weights-006--0.68587.hdf5

11/11 [=====] - 0s 8ms/step - loss: 0.6892 - accuracy: 0.5172 - val_loss: 0.6859 - val_accuracy: 0.5333 - lr: 0.0090

Epoch 7/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6754 - accuracy: 0.6562
Epoch 7: val_loss improved from 0.68587 to 0.68471, saving model to tmp/Weights-007--0.68471.hdf5

11/11 [=====] - 0s 8ms/step - loss: 0.6886 - accuracy: 0.5431 - val_loss: 0.6847 - val_accuracy: 0.5333 - lr: 0.0090

Epoch 8/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6852 - accuracy: 0.5625
Epoch 8: val_loss improved from 0.68471 to 0.68407, saving model to tmp/Weights-008--0.68407.hdf5

```
11/11 [=====] - 0s 8ms/step - loss: 0.6882 - accuracy: 0.5374 - val_loss: 0.6841 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 9/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6910 - accuracy: 0.5312
Epoch 9: val_loss improved from 0.68407 to 0.68333, saving model to tmp/Weights-009--0.68333.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6881 - accuracy: 0.5489 - val_loss: 0.6833 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 10/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6681 - accuracy: 0.6250
Epoch 10: val_loss did not improve from 0.68333
11/11 [=====] - 0s 6ms/step - loss: 0.6891 - accuracy: 0.5029 - val_loss: 0.6836 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 11/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6962 - accuracy: 0.3750
Epoch 11: val_loss improved from 0.68333 to 0.68123, saving model to tmp/Weights-011--0.68123.hdf5
11/11 [=====] - 0s 7ms/step - loss: 0.6917 - accuracy: 0.5259 - val_loss: 0.6812 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 12/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6762 - accuracy: 0.5625
Epoch 12: val_loss did not improve from 0.68123
11/11 [=====] - 0s 8ms/step - loss: 0.6878 - accuracy: 0.5230 - val_loss: 0.6843 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 13/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6609 - accuracy: 0.6562
Epoch 13: val_loss did not improve from 0.68123
11/11 [=====] - 0s 8ms/step - loss: 0.6882 - accuracy: 0.5115 - val_loss: 0.6821 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 14/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7030 - accuracy: 0.4375
Epoch 14: val_loss did not improve from 0.68123
11/11 [=====] - 0s 6ms/step - loss: 0.6885 - accuracy: 0.5057 - val_loss: 0.6825 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 15/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6782 - accuracy: 0.5625
Epoch 15: val_loss improved from 0.68123 to 0.67987, saving model to tmp/Weights-015--0.67987.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6886 - accuracy: 0.5632 - val_loss: 0.6799 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 16/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6492 - accuracy: 0.7188
Epoch 16: val_loss did not improve from 0.67987
11/11 [=====] - 0s 6ms/step - loss: 0.6869 - accuracy: 0.5489 - val_loss: 0.6816 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 17/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6701 - accuracy: 0.5938
Epoch 17: val_loss did not improve from 0.67987
11/11 [=====] - 0s 7ms/step - loss: 0.6888 - accuracy: 0.5172 - val_loss: 0.6820 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 18/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6783 - accuracy: 0.5938
Epoch 18: val_loss improved from 0.67987 to 0.67926, saving model to tmp/Weights-018--0.67926.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6868 - accuracy: 0.5172 - val_loss: 0.6793 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 19/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6489 - accuracy: 0.6562
Epoch 19: val_loss did not improve from 0.67926
11/11 [=====] - 0s 8ms/step - loss: 0.6874 - accuracy: 0.5632 - val_loss: 0.6793 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 20/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6559 - accuracy: 0.5938
Epoch 20: val_loss did not improve from 0.67926
```

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11/11 [=====] - 0s 8ms/step - loss: 0.6882 - accuracy: 0.5230 - val_loss: 0.6811 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 21/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6936 - accuracy: 0.5000
Epoch 21: val_loss improved from 0.67926 to 0.67828, saving model to tmp/Weights-021--0.67828.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6882 - accuracy: 0.5460 - val_loss: 0.6783 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 22/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6981 - accuracy: 0.5625
Epoch 22: val_loss did not improve from 0.67828
11/11 [=====] - 0s 6ms/step - loss: 0.6861 - accuracy: 0.5546 - val_loss: 0.6798 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 23/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6653 - accuracy: 0.6250
Epoch 23: val_loss did not improve from 0.67828
11/11 [=====] - 0s 6ms/step - loss: 0.6865 - accuracy: 0.5115 - val_loss: 0.6796 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 24/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7041 - accuracy: 0.5000
Epoch 24: val_loss did not improve from 0.67828
11/11 [=====] - 0s 7ms/step - loss: 0.6871 - accuracy: 0.5259 - val_loss: 0.6789 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 25/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7019 - accuracy: 0.4375
Epoch 25: val_loss did not improve from 0.67828
11/11 [=====] - 0s 6ms/step - loss: 0.6866 - accuracy: 0.5345 - val_loss: 0.6789 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 26/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7069 - accuracy: 0.5000
Epoch 26: val_loss did not improve from 0.67828
11/11 [=====] - 0s 8ms/step - loss: 0.6866 - accuracy: 0.5144 - val_loss: 0.6784 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 27/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6629 - accuracy: 0.5625
Epoch 27: val_loss did not improve from 0.67828
11/11 [=====] - 0s 6ms/step - loss: 0.6865 - accuracy: 0.5489 - val_loss: 0.6790 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 28/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6923 - accuracy: 0.5625
Epoch 28: val_loss did not improve from 0.67828
11/11 [=====] - 0s 7ms/step - loss: 0.6868 - accuracy: 0.5259 - val_loss: 0.6796 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 29/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6687 - accuracy: 0.6250
Epoch 29: val_loss improved from 0.67828 to 0.67757, saving model to tmp/Weights-029--0.67757.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6858 - accuracy: 0.5345 - val_loss: 0.6776 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 30/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6864 - accuracy: 0.5938
Epoch 30: val_loss did not improve from 0.67757
11/11 [=====] - 0s 8ms/step - loss: 0.6863 - accuracy: 0.5690 - val_loss: 0.6778 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 31/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6497 - accuracy: 0.6250
Epoch 31: val_loss did not improve from 0.67757
11/11 [=====] - 0s 7ms/step - loss: 0.6866 - accuracy: 0.5086 - val_loss: 0.6792 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 32/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7204 - accuracy: 0.3125
Epoch 32: val_loss did not improve from 0.67757
11/11 [=====] - 0s 6ms/step - loss: 0.6865 - accuracy: 0.5172 - val_loss: 0.6784 - val_accuracy: 0.5133 - lr: 0.0090
```

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Epoch 33/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7299 - accuracy: 0.3750
Epoch 33: val_loss improved from 0.67757 to 0.67718, saving model to tmp/Weights-0
33--0.67718.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6860 - accuracy: 0.
5172 - val_loss: 0.6772 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 34/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6938 - accuracy: 0.5625
Epoch 34: val_loss did not improve from 0.67718
11/11 [=====] - 0s 7ms/step - loss: 0.6865 - accuracy: 0.
5230 - val_loss: 0.6781 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 35/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6907 - accuracy: 0.5000
Epoch 35: val_loss did not improve from 0.67718
11/11 [=====] - 0s 6ms/step - loss: 0.6867 - accuracy: 0.
5460 - val_loss: 0.6782 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 36/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6966 - accuracy: 0.5938
Epoch 36: val_loss did not improve from 0.67718
11/11 [=====] - 0s 7ms/step - loss: 0.6857 - accuracy: 0.
5287 - val_loss: 0.6782 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 37/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6903 - accuracy: 0.4688
Epoch 37: val_loss improved from 0.67718 to 0.67712, saving model to tmp/Weights-0
37--0.67712.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6859 - accuracy: 0.
5632 - val_loss: 0.6771 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 38/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6779 - accuracy: 0.6250
Epoch 38: val_loss did not improve from 0.67712
11/11 [=====] - 0s 7ms/step - loss: 0.6878 - accuracy: 0.
5259 - val_loss: 0.6794 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 39/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6731 - accuracy: 0.5625
Epoch 39: val_loss improved from 0.67712 to 0.67660, saving model to tmp/Weights-0
39--0.67660.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6865 - accuracy: 0.
5431 - val_loss: 0.6766 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 40/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7370 - accuracy: 0.3438
Epoch 40: val_loss did not improve from 0.67660
11/11 [=====] - 0s 7ms/step - loss: 0.6855 - accuracy: 0.
5345 - val_loss: 0.6776 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 41/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6698 - accuracy: 0.5312
Epoch 41: val_loss did not improve from 0.67660
11/11 [=====] - 0s 7ms/step - loss: 0.6851 - accuracy: 0.
5345 - val_loss: 0.6769 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 42/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6656 - accuracy: 0.6250
Epoch 42: val_loss did not improve from 0.67660
11/11 [=====] - 0s 7ms/step - loss: 0.6858 - accuracy: 0.
5316 - val_loss: 0.6784 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 43/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6720 - accuracy: 0.6250
Epoch 43: val_loss did not improve from 0.67660
11/11 [=====] - 0s 6ms/step - loss: 0.6850 - accuracy: 0.
5230 - val_loss: 0.6766 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 44/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6478 - accuracy: 0.6875
Epoch 44: val_loss did not improve from 0.67660
11/11 [=====] - 0s 8ms/step - loss: 0.6846 - accuracy: 0.
5603 - val_loss: 0.6767 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 45/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6445 - accuracy: 0.6562
Epoch 45: val_loss did not improve from 0.67660
11/11 [=====] - 0s 8ms/step - loss: 0.6846 - accuracy: 0.
5374 - val_loss: 0.6773 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 46/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6823 - accuracy: 0.5312
Epoch 46: val_loss did not improve from 0.67660
11/11 [=====] - 0s 7ms/step - loss: 0.6854 - accuracy: 0.
5201 - val_loss: 0.6781 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 47/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6793 - accuracy: 0.5312
Epoch 47: val_loss improved from 0.67660 to 0.67514, saving model to tmp/Weights-0
47--0.67514.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6872 - accuracy: 0.
5287 - val_loss: 0.6751 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 48/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7478 - accuracy: 0.4688
Epoch 48: val_loss did not improve from 0.67514
11/11 [=====] - 0s 8ms/step - loss: 0.6857 - accuracy: 0.
5517 - val_loss: 0.6785 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 49/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7185 - accuracy: 0.4062
Epoch 49: val_loss did not improve from 0.67514
11/11 [=====] - 0s 6ms/step - loss: 0.6856 - accuracy: 0.
5259 - val_loss: 0.6763 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 50/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7114 - accuracy: 0.4375
Epoch 50: val_loss did not improve from 0.67514
11/11 [=====] - 0s 6ms/step - loss: 0.6852 - accuracy: 0.
5316 - val_loss: 0.6775 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 51/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6952 - accuracy: 0.5312
Epoch 51: val_loss did not improve from 0.67514
11/11 [=====] - 0s 6ms/step - loss: 0.6837 - accuracy: 0.
5201 - val_loss: 0.6756 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 52/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6854 - accuracy: 0.5000
Epoch 52: val_loss did not improve from 0.67514
11/11 [=====] - 0s 7ms/step - loss: 0.6858 - accuracy: 0.
5115 - val_loss: 0.6772 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 53/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7119 - accuracy: 0.3438
Epoch 53: val_loss improved from 0.67514 to 0.67501, saving model to tmp/Weights-0
53--0.67501.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6849 - accuracy: 0.
5546 - val_loss: 0.6750 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 54/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6545 - accuracy: 0.7500
Epoch 54: val_loss did not improve from 0.67501
11/11 [=====] - 0s 8ms/step - loss: 0.6840 - accuracy: 0.
5460 - val_loss: 0.6772 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 55/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6929 - accuracy: 0.5000
Epoch 55: val_loss did not improve from 0.67501
11/11 [=====] - 0s 6ms/step - loss: 0.6828 - accuracy: 0.
5201 - val_loss: 0.6757 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 56/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6877 - accuracy: 0.5625
Epoch 56: val_loss did not improve from 0.67501
11/11 [=====] - 0s 7ms/step - loss: 0.6832 - accuracy: 0.
5402 - val_loss: 0.6752 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 57/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6854 - accuracy: 0.4688
Epoch 57: val_loss did not improve from 0.67501
```

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11/11 [=====] - 0s 6ms/step - loss: 0.6829 - accuracy: 0.  
5144 - val_loss: 0.6765 - val_accuracy: 0.5333 - lr: 0.0090  
Epoch 58/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7040 - accuracy: 0.4375  
Epoch 58: val_loss did not improve from 0.67501  
11/11 [=====] - 0s 6ms/step - loss: 0.6828 - accuracy: 0.  
5316 - val_loss: 0.6757 - val_accuracy: 0.5267 - lr: 0.0090  
Epoch 59/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6917 - accuracy: 0.4375  
Epoch 59: val_loss improved from 0.67501 to 0.67436, saving model to tmp/Weights-0  
59--0.67436.hdf5  
11/11 [=====] - 0s 8ms/step - loss: 0.6835 - accuracy: 0.  
5517 - val_loss: 0.6744 - val_accuracy: 0.5133 - lr: 0.0090  
Epoch 60/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6977 - accuracy: 0.5000  
Epoch 60: val_loss did not improve from 0.67436  
11/11 [=====] - 0s 7ms/step - loss: 0.6811 - accuracy: 0.  
5431 - val_loss: 0.6754 - val_accuracy: 0.5267 - lr: 0.0090  
Epoch 61/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6935 - accuracy: 0.4375  
Epoch 61: val_loss did not improve from 0.67436  
11/11 [=====] - 0s 7ms/step - loss: 0.6825 - accuracy: 0.  
5374 - val_loss: 0.6764 - val_accuracy: 0.5400 - lr: 0.0090  
Epoch 62/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6776 - accuracy: 0.5625  
Epoch 62: val_loss improved from 0.67436 to 0.67341, saving model to tmp/Weights-0  
62--0.67341.hdf5  
11/11 [=====] - 0s 8ms/step - loss: 0.6816 - accuracy: 0.  
5316 - val_loss: 0.6734 - val_accuracy: 0.5200 - lr: 0.0090  
Epoch 63/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7053 - accuracy: 0.5312  
Epoch 63: val_loss did not improve from 0.67341  
11/11 [=====] - 0s 7ms/step - loss: 0.6814 - accuracy: 0.  
5172 - val_loss: 0.6736 - val_accuracy: 0.5333 - lr: 0.0090  
Epoch 64/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6820 - accuracy: 0.5000  
Epoch 64: val_loss did not improve from 0.67341  
11/11 [=====] - 0s 8ms/step - loss: 0.6804 - accuracy: 0.  
5144 - val_loss: 0.6739 - val_accuracy: 0.5333 - lr: 0.0090  
Epoch 65/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6853 - accuracy: 0.3750  
Epoch 65: val_loss did not improve from 0.67341  
11/11 [=====] - 0s 6ms/step - loss: 0.6806 - accuracy: 0.  
5230 - val_loss: 0.6747 - val_accuracy: 0.5000 - lr: 0.0090  
Epoch 66/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7020 - accuracy: 0.4062  
Epoch 66: val_loss improved from 0.67341 to 0.67338, saving model to tmp/Weights-0  
66--0.67338.hdf5  
11/11 [=====] - 0s 7ms/step - loss: 0.6825 - accuracy: 0.  
5316 - val_loss: 0.6734 - val_accuracy: 0.5000 - lr: 0.0090  
Epoch 67/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6573 - accuracy: 0.6250  
Epoch 67: val_loss did not improve from 0.67338  
11/11 [=====] - 0s 7ms/step - loss: 0.6803 - accuracy: 0.  
5489 - val_loss: 0.6752 - val_accuracy: 0.5467 - lr: 0.0090  
Epoch 68/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6954 - accuracy: 0.4688  
Epoch 68: val_loss improved from 0.67338 to 0.67316, saving model to tmp/Weights-0  
68--0.67316.hdf5  
11/11 [=====] - 0s 7ms/step - loss: 0.6805 - accuracy: 0.  
5345 - val_loss: 0.6732 - val_accuracy: 0.5200 - lr: 0.0090  
Epoch 69/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6928 - accuracy: 0.5625  
Epoch 69: val_loss improved from 0.67316 to 0.67216, saving model to tmp/Weights-0
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69--0.67216.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6797 - accuracy: 0.
5172 - val_loss: 0.6722 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 70/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6873 - accuracy: 0.4688
Epoch 70: val_loss did not improve from 0.67216
11/11 [=====] - 0s 6ms/step - loss: 0.6790 - accuracy: 0.
5201 - val_loss: 0.6745 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 71/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6875 - accuracy: 0.5938
Epoch 71: val_loss did not improve from 0.67216
11/11 [=====] - 0s 7ms/step - loss: 0.6796 - accuracy: 0.
5259 - val_loss: 0.6740 - val_accuracy: 0.4933 - lr: 0.0090
Epoch 72/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6954 - accuracy: 0.5000
Epoch 72: val_loss did not improve from 0.67216
11/11 [=====] - 0s 6ms/step - loss: 0.6777 - accuracy: 0.
5345 - val_loss: 0.6728 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 73/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7042 - accuracy: 0.4062
Epoch 73: val_loss did not improve from 0.67216
11/11 [=====] - 0s 6ms/step - loss: 0.6781 - accuracy: 0.
5230 - val_loss: 0.6730 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 74/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6505 - accuracy: 0.5625
Epoch 74: val_loss improved from 0.67216 to 0.67155, saving model to tmp/Weights-0
74--0.67155.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6793 - accuracy: 0.
5316 - val_loss: 0.6715 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 75/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6741 - accuracy: 0.5312
Epoch 75: val_loss did not improve from 0.67155
11/11 [=====] - 0s 8ms/step - loss: 0.6770 - accuracy: 0.
5402 - val_loss: 0.6746 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 76/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6743 - accuracy: 0.6250
Epoch 76: val_loss did not improve from 0.67155
11/11 [=====] - 0s 7ms/step - loss: 0.6781 - accuracy: 0.
5374 - val_loss: 0.6726 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 77/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6795 - accuracy: 0.5000
Epoch 77: val_loss did not improve from 0.67155
11/11 [=====] - 0s 8ms/step - loss: 0.6766 - accuracy: 0.
5201 - val_loss: 0.6733 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 78/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7111 - accuracy: 0.3750
Epoch 78: val_loss improved from 0.67155 to 0.67095, saving model to tmp/Weights-0
78--0.67095.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6770 - accuracy: 0.
5259 - val_loss: 0.6710 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 79/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7091 - accuracy: 0.4375
Epoch 79: val_loss did not improve from 0.67095
11/11 [=====] - 0s 6ms/step - loss: 0.6765 - accuracy: 0.
5431 - val_loss: 0.6728 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 80/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6720 - accuracy: 0.5625
Epoch 80: val_loss did not improve from 0.67095
11/11 [=====] - 0s 7ms/step - loss: 0.6755 - accuracy: 0.
5201 - val_loss: 0.6724 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 81/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6868 - accuracy: 0.4375
Epoch 81: val_loss improved from 0.67095 to 0.66986, saving model to tmp/Weights-0
81--0.66986.hdf5
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11/11 [=====] - 0s 8ms/step - loss: 0.6765 - accuracy: 0.5287 - val_loss: 0.6699 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 82/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6692 - accuracy: 0.5312
Epoch 82: val_loss did not improve from 0.66986
11/11 [=====] - 0s 6ms/step - loss: 0.6764 - accuracy: 0.5259 - val_loss: 0.6703 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 83/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6465 - accuracy: 0.7500
Epoch 83: val_loss did not improve from 0.66986
11/11 [=====] - 0s 7ms/step - loss: 0.6743 - accuracy: 0.5230 - val_loss: 0.6718 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 84/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6836 - accuracy: 0.5000
Epoch 84: val_loss did not improve from 0.66986
11/11 [=====] - 0s 6ms/step - loss: 0.6744 - accuracy: 0.5345 - val_loss: 0.6710 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 85/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6669 - accuracy: 0.5312
Epoch 85: val_loss did not improve from 0.66986
11/11 [=====] - 0s 8ms/step - loss: 0.6749 - accuracy: 0.5230 - val_loss: 0.6704 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 86/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6555 - accuracy: 0.5625
Epoch 86: val_loss did not improve from 0.66986
11/11 [=====] - 0s 7ms/step - loss: 0.6737 - accuracy: 0.5374 - val_loss: 0.6713 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 87/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6713 - accuracy: 0.5000
Epoch 87: val_loss did not improve from 0.66986
11/11 [=====] - 0s 7ms/step - loss: 0.6747 - accuracy: 0.5460 - val_loss: 0.6715 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 88/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6653 - accuracy: 0.5938
Epoch 88: val_loss did not improve from 0.66986
11/11 [=====] - 0s 7ms/step - loss: 0.6732 - accuracy: 0.5374 - val_loss: 0.6702 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 89/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6789 - accuracy: 0.5000
Epoch 89: val_loss did not improve from 0.66986
11/11 [=====] - 0s 8ms/step - loss: 0.6735 - accuracy: 0.5603 - val_loss: 0.6722 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 90/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6233 - accuracy: 0.6875
Epoch 90: val_loss did not improve from 0.66986
11/11 [=====] - 0s 6ms/step - loss: 0.6798 - accuracy: 0.5517 - val_loss: 0.6726 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 91/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6479 - accuracy: 0.6250
Epoch 91: val_loss improved from 0.66986 to 0.66877, saving model to tmp/Weights-091--0.66877.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6718 - accuracy: 0.5345 - val_loss: 0.6688 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 92/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6582 - accuracy: 0.5938
Epoch 92: val_loss improved from 0.66877 to 0.66718, saving model to tmp/Weights-092--0.66718.hdf5
11/11 [=====] - 0s 7ms/step - loss: 0.6743 - accuracy: 0.5345 - val_loss: 0.6672 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 93/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6914 - accuracy: 0.4375
Epoch 93: val_loss did not improve from 0.66718
11/11 [=====] - 0s 7ms/step - loss: 0.6754 - accuracy: 0.5460 - val_loss: 0.6675 - val_accuracy: 0.5467 - lr: 0.0090
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Epoch 94/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6782 - accuracy: 0.4375
Epoch 94: val_loss did not improve from 0.66718
11/11 [=====] - 0s 9ms/step - loss: 0.6748 - accuracy: 0.
5402 - val_loss: 0.6683 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 95/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6695 - accuracy: 0.6250
Epoch 95: val_loss did not improve from 0.66718
11/11 [=====] - 0s 6ms/step - loss: 0.6718 - accuracy: 0.
5345 - val_loss: 0.6714 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 96/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6586 - accuracy: 0.6562
Epoch 96: val_loss did not improve from 0.66718
11/11 [=====] - 0s 7ms/step - loss: 0.6720 - accuracy: 0.
5287 - val_loss: 0.6695 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 97/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7009 - accuracy: 0.5312
Epoch 97: val_loss did not improve from 0.66718
11/11 [=====] - 0s 6ms/step - loss: 0.6706 - accuracy: 0.
5316 - val_loss: 0.6704 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 98/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6893 - accuracy: 0.4375
Epoch 98: val_loss did not improve from 0.66718
11/11 [=====] - 0s 7ms/step - loss: 0.6707 - accuracy: 0.
5316 - val_loss: 0.6684 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 99/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6527 - accuracy: 0.5625
Epoch 99: val_loss did not improve from 0.66718
11/11 [=====] - 0s 6ms/step - loss: 0.6707 - accuracy: 0.
5374 - val_loss: 0.6704 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 100/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7007 - accuracy: 0.4688
Epoch 100: val_loss did not improve from 0.66718
11/11 [=====] - 0s 8ms/step - loss: 0.6701 - accuracy: 0.
5489 - val_loss: 0.6709 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 101/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6290 - accuracy: 0.5938
Epoch 101: val_loss did not improve from 0.66718
11/11 [=====] - 0s 7ms/step - loss: 0.6705 - accuracy: 0.
5259 - val_loss: 0.6676 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 102/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6635 - accuracy: 0.5312
Epoch 102: val_loss did not improve from 0.66718
11/11 [=====] - 0s 8ms/step - loss: 0.6738 - accuracy: 0.
5287 - val_loss: 0.6715 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 103/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6902 - accuracy: 0.4375
Epoch 103: val_loss improved from 0.66718 to 0.66660, saving model to tmp/Weights-
103--0.66660.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6745 - accuracy: 0.
5402 - val_loss: 0.6666 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 104/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6556 - accuracy: 0.6250
Epoch 104: val_loss improved from 0.66660 to 0.66397, saving model to tmp/Weights-
104--0.66397.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6723 - accuracy: 0.
5201 - val_loss: 0.6640 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 105/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6489 - accuracy: 0.5312
Epoch 105: val_loss did not improve from 0.66397
11/11 [=====] - 0s 7ms/step - loss: 0.6708 - accuracy: 0.
5431 - val_loss: 0.6651 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 106/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6733 - accuracy: 0.4688
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Epoch 106: val_loss did not improve from 0.66397
11/11 [=====] - 0s 6ms/step - loss: 0.6708 - accuracy: 0.
5172 - val_loss: 0.6656 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 107/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6811 - accuracy: 0.4375
Epoch 107: val_loss did not improve from 0.66397
11/11 [=====] - 0s 7ms/step - loss: 0.6717 - accuracy: 0.
5431 - val_loss: 0.6681 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 108/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6211 - accuracy: 0.6875
Epoch 108: val_loss did not improve from 0.66397
11/11 [=====] - 0s 8ms/step - loss: 0.6688 - accuracy: 0.
5316 - val_loss: 0.6688 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 109/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6370 - accuracy: 0.6562
Epoch 109: val_loss did not improve from 0.66397
11/11 [=====] - 0s 8ms/step - loss: 0.6697 - accuracy: 0.
5287 - val_loss: 0.6722 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 110/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6836 - accuracy: 0.5000
Epoch 110: val_loss did not improve from 0.66397
11/11 [=====] - 0s 8ms/step - loss: 0.6685 - accuracy: 0.
5489 - val_loss: 0.6678 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 111/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6788 - accuracy: 0.5625
Epoch 111: val_loss did not improve from 0.66397
11/11 [=====] - 0s 7ms/step - loss: 0.6685 - accuracy: 0.
5287 - val_loss: 0.6670 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 112/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6454 - accuracy: 0.6250
Epoch 112: val_loss did not improve from 0.66397
11/11 [=====] - 0s 8ms/step - loss: 0.6688 - accuracy: 0.
5489 - val_loss: 0.6658 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 113/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6949 - accuracy: 0.4375
Epoch 113: val_loss did not improve from 0.66397
11/11 [=====] - 0s 6ms/step - loss: 0.6681 - accuracy: 0.
5374 - val_loss: 0.6670 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 114/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6902 - accuracy: 0.4062
Epoch 114: val_loss did not improve from 0.66397
11/11 [=====] - 0s 6ms/step - loss: 0.6680 - accuracy: 0.
5201 - val_loss: 0.6650 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 115/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6323 - accuracy: 0.6562
Epoch 115: val_loss did not improve from 0.66397
11/11 [=====] - 0s 6ms/step - loss: 0.6680 - accuracy: 0.
5287 - val_loss: 0.6653 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 116/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6699 - accuracy: 0.5938
Epoch 116: val_loss did not improve from 0.66397
11/11 [=====] - 0s 6ms/step - loss: 0.6678 - accuracy: 0.
5489 - val_loss: 0.6672 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 117/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7012 - accuracy: 0.3750
Epoch 117: val_loss did not improve from 0.66397
11/11 [=====] - 0s 7ms/step - loss: 0.6711 - accuracy: 0.
5287 - val_loss: 0.6645 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 118/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6198 - accuracy: 0.6250
Epoch 118: val_loss did not improve from 0.66397
11/11 [=====] - 0s 6ms/step - loss: 0.6669 - accuracy: 0.
5489 - val_loss: 0.6665 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 119/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6510 - accuracy: 0.5938
Epoch 119: val_loss did not improve from 0.66397
11/11 [=====] - 0s 7ms/step - loss: 0.6669 - accuracy: 0.
5661 - val_loss: 0.6674 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 120/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6568 - accuracy: 0.5938
Epoch 120: val_loss improved from 0.66397 to 0.66341, saving model to tmp/Weights-
120--0.66341.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6674 - accuracy: 0.
5259 - val_loss: 0.6634 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 121/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6701 - accuracy: 0.4375
Epoch 121: val_loss did not improve from 0.66341
11/11 [=====] - 0s 6ms/step - loss: 0.6661 - accuracy: 0.
5259 - val_loss: 0.6636 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 122/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6392 - accuracy: 0.5938
Epoch 122: val_loss did not improve from 0.66341
11/11 [=====] - 0s 8ms/step - loss: 0.6664 - accuracy: 0.
5460 - val_loss: 0.6678 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 123/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6744 - accuracy: 0.5938
Epoch 123: val_loss did not improve from 0.66341
11/11 [=====] - 0s 8ms/step - loss: 0.6655 - accuracy: 0.
5575 - val_loss: 0.6639 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 124/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6518 - accuracy: 0.5938
Epoch 124: val_loss did not improve from 0.66341
11/11 [=====] - 0s 6ms/step - loss: 0.6649 - accuracy: 0.
5259 - val_loss: 0.6664 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 125/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6465 - accuracy: 0.5625
Epoch 125: val_loss did not improve from 0.66341
11/11 [=====] - 0s 6ms/step - loss: 0.6655 - accuracy: 0.
5460 - val_loss: 0.6666 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 126/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6625 - accuracy: 0.4688
Epoch 126: val_loss did not improve from 0.66341
11/11 [=====] - 0s 7ms/step - loss: 0.6665 - accuracy: 0.
5517 - val_loss: 0.6675 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 127/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6688 - accuracy: 0.5938
Epoch 127: val_loss did not improve from 0.66341
11/11 [=====] - 0s 6ms/step - loss: 0.6649 - accuracy: 0.
5517 - val_loss: 0.6658 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 128/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6648 - accuracy: 0.4688
Epoch 128: val_loss did not improve from 0.66341
11/11 [=====] - 0s 7ms/step - loss: 0.6649 - accuracy: 0.
5546 - val_loss: 0.6690 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 129/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6605 - accuracy: 0.5625
Epoch 129: val_loss did not improve from 0.66341
11/11 [=====] - 0s 6ms/step - loss: 0.6645 - accuracy: 0.
5201 - val_loss: 0.6666 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 130/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6729 - accuracy: 0.5312
Epoch 130: val_loss did not improve from 0.66341
11/11 [=====] - 0s 7ms/step - loss: 0.6641 - accuracy: 0.
5603 - val_loss: 0.6665 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 131/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6849 - accuracy: 0.5000
Epoch 131: val_loss did not improve from 0.66341
11/11 [=====] - 0s 6ms/step - loss: 0.6651 - accuracy: 0.
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5575 - val_loss: 0.6677 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 132/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6284 - accuracy: 0.6562
Epoch 132: val_loss did not improve from 0.66341
11/11 [=====] - 0s 6ms/step - loss: 0.6656 - accuracy: 0.
5603 - val_loss: 0.6662 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 133/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6799 - accuracy: 0.5000
Epoch 133: val_loss did not improve from 0.66341
11/11 [=====] - 0s 7ms/step - loss: 0.6632 - accuracy: 0.
5575 - val_loss: 0.6665 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 134/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6801 - accuracy: 0.5312
Epoch 134: val_loss did not improve from 0.66341
11/11 [=====] - 0s 6ms/step - loss: 0.6640 - accuracy: 0.
5374 - val_loss: 0.6650 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 135/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6281 - accuracy: 0.6875
Epoch 135: val_loss did not improve from 0.66341
11/11 [=====] - 0s 8ms/step - loss: 0.6639 - accuracy: 0.
5776 - val_loss: 0.6702 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 136/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6480 - accuracy: 0.5938
Epoch 136: val_loss did not improve from 0.66341
11/11 [=====] - 0s 6ms/step - loss: 0.6634 - accuracy: 0.
5747 - val_loss: 0.6646 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 137/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6566 - accuracy: 0.5625
Epoch 137: val_loss did not improve from 0.66341
11/11 [=====] - 0s 6ms/step - loss: 0.6640 - accuracy: 0.
5431 - val_loss: 0.6643 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 138/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6585 - accuracy: 0.5625
Epoch 138: val_loss did not improve from 0.66341
11/11 [=====] - 0s 7ms/step - loss: 0.6625 - accuracy: 0.
5805 - val_loss: 0.6684 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 139/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6834 - accuracy: 0.4375
Epoch 139: val_loss did not improve from 0.66341
11/11 [=====] - 0s 6ms/step - loss: 0.6625 - accuracy: 0.
5460 - val_loss: 0.6682 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 140/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6343 - accuracy: 0.5625
Epoch 140: val_loss did not improve from 0.66341

Epoch 140: ReduceLROnPlateau reducing learning rate to 0.0044999998062849045.
11/11 [=====] - 0s 8ms/step - loss: 0.6631 - accuracy: 0.
5431 - val_loss: 0.6647 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 141/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6148 - accuracy: 0.6875
Epoch 141: val_loss did not improve from 0.66341
11/11 [=====] - 0s 8ms/step - loss: 0.6620 - accuracy: 0.
5718 - val_loss: 0.6656 - val_accuracy: 0.5400 - lr: 0.0045
Epoch 142/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6509 - accuracy: 0.6562
Epoch 142: val_loss did not improve from 0.66341
11/11 [=====] - 0s 7ms/step - loss: 0.6617 - accuracy: 0.
5776 - val_loss: 0.6676 - val_accuracy: 0.5467 - lr: 0.0045
Epoch 143/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6585 - accuracy: 0.5938
Epoch 143: val_loss did not improve from 0.66341
11/11 [=====] - 0s 6ms/step - loss: 0.6624 - accuracy: 0.
5632 - val_loss: 0.6662 - val_accuracy: 0.5400 - lr: 0.0045
Epoch 144/1000
```

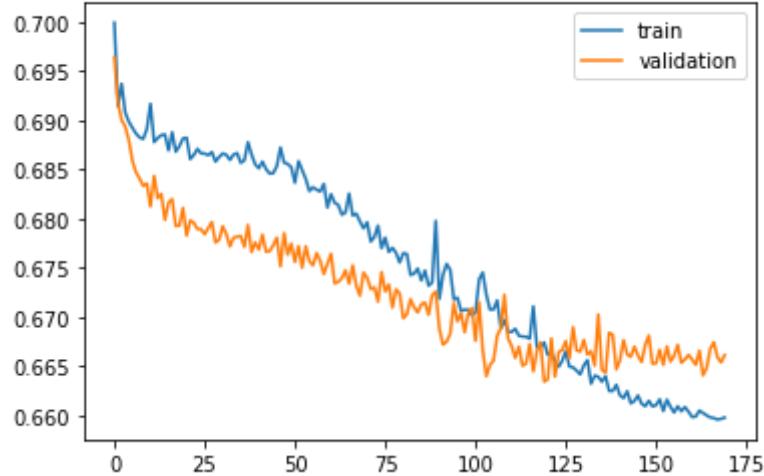
```
1/11 [=>.....] - ETA: 0s - loss: 0.6460 - accuracy: 0.5938
Epoch 144: val_loss did not improve from 0.66341
11/11 [=====] - 0s 8ms/step - loss: 0.6612 - accuracy: 0.
5546 - val_loss: 0.6659 - val_accuracy: 0.5400 - lr: 0.0045
Epoch 145/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6247 - accuracy: 0.6875
Epoch 145: val_loss did not improve from 0.66341
11/11 [=====] - 0s 6ms/step - loss: 0.6614 - accuracy: 0.
5862 - val_loss: 0.6670 - val_accuracy: 0.5467 - lr: 0.0045
Epoch 146/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6776 - accuracy: 0.6562
Epoch 146: val_loss did not improve from 0.66341
11/11 [=====] - 0s 7ms/step - loss: 0.6620 - accuracy: 0.
5632 - val_loss: 0.6661 - val_accuracy: 0.5333 - lr: 0.0045
Epoch 147/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6324 - accuracy: 0.6562
Epoch 147: val_loss did not improve from 0.66341
11/11 [=====] - 0s 6ms/step - loss: 0.6612 - accuracy: 0.
5690 - val_loss: 0.6654 - val_accuracy: 0.5400 - lr: 0.0045
Epoch 148/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6751 - accuracy: 0.5938
Epoch 148: val_loss did not improve from 0.66341
11/11 [=====] - 0s 8ms/step - loss: 0.6609 - accuracy: 0.
5948 - val_loss: 0.6672 - val_accuracy: 0.5333 - lr: 0.0045
Epoch 149/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6579 - accuracy: 0.7188
Epoch 149: val_loss did not improve from 0.66341
11/11 [=====] - 0s 6ms/step - loss: 0.6615 - accuracy: 0.
5833 - val_loss: 0.6681 - val_accuracy: 0.5467 - lr: 0.0045
Epoch 150/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6618 - accuracy: 0.5938
Epoch 150: val_loss did not improve from 0.66341
11/11 [=====] - 0s 7ms/step - loss: 0.6609 - accuracy: 0.
5718 - val_loss: 0.6652 - val_accuracy: 0.5467 - lr: 0.0045
Epoch 151/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6123 - accuracy: 0.5938
Epoch 151: val_loss did not improve from 0.66341
11/11 [=====] - 0s 7ms/step - loss: 0.6610 - accuracy: 0.
5661 - val_loss: 0.6653 - val_accuracy: 0.5467 - lr: 0.0045
Epoch 152/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7169 - accuracy: 0.4375
Epoch 152: val_loss did not improve from 0.66341
11/11 [=====] - 0s 7ms/step - loss: 0.6616 - accuracy: 0.
5517 - val_loss: 0.6667 - val_accuracy: 0.5400 - lr: 0.0045
Epoch 153/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6436 - accuracy: 0.5938
Epoch 153: val_loss did not improve from 0.66341
11/11 [=====] - 0s 7ms/step - loss: 0.6604 - accuracy: 0.
5718 - val_loss: 0.6651 - val_accuracy: 0.5600 - lr: 0.0045
Epoch 154/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6537 - accuracy: 0.6562
Epoch 154: val_loss did not improve from 0.66341
11/11 [=====] - 0s 8ms/step - loss: 0.6616 - accuracy: 0.
5747 - val_loss: 0.6670 - val_accuracy: 0.5400 - lr: 0.0045
Epoch 155/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6699 - accuracy: 0.5312
Epoch 155: val_loss did not improve from 0.66341
11/11 [=====] - 0s 7ms/step - loss: 0.6609 - accuracy: 0.
5862 - val_loss: 0.6655 - val_accuracy: 0.5600 - lr: 0.0045
Epoch 156/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6896 - accuracy: 0.5312
Epoch 156: val_loss did not improve from 0.66341
11/11 [=====] - 0s 8ms/step - loss: 0.6603 - accuracy: 0.
5776 - val_loss: 0.6660 - val_accuracy: 0.5400 - lr: 0.0045
```

```
Epoch 157/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6723 - accuracy: 0.5312
Epoch 157: val_loss did not improve from 0.66341
11/11 [=====] - 0s 8ms/step - loss: 0.6609 - accuracy: 0.
5546 - val_loss: 0.6671 - val_accuracy: 0.5467 - lr: 0.0045
Epoch 158/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6253 - accuracy: 0.6875
Epoch 158: val_loss did not improve from 0.66341
11/11 [=====] - 0s 6ms/step - loss: 0.6604 - accuracy: 0.
5977 - val_loss: 0.6653 - val_accuracy: 0.5533 - lr: 0.0045
Epoch 159/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6780 - accuracy: 0.5000
Epoch 159: val_loss did not improve from 0.66341
11/11 [=====] - 0s 6ms/step - loss: 0.6608 - accuracy: 0.
5833 - val_loss: 0.6657 - val_accuracy: 0.5333 - lr: 0.0045
Epoch 160/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6057 - accuracy: 0.6250
Epoch 160: val_loss did not improve from 0.66341

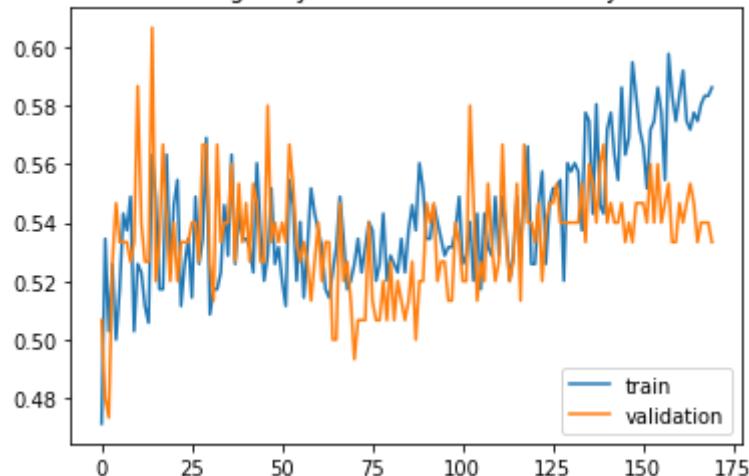
Epoch 160: ReduceLROnPlateau reducing learning rate to 0.0022499999031424522.
11/11 [=====] - 0s 6ms/step - loss: 0.6603 - accuracy: 0.
5747 - val_loss: 0.6661 - val_accuracy: 0.5333 - lr: 0.0045
Epoch 161/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6532 - accuracy: 0.5938
Epoch 161: val_loss did not improve from 0.66341
11/11 [=====] - 0s 8ms/step - loss: 0.6598 - accuracy: 0.
5833 - val_loss: 0.6657 - val_accuracy: 0.5467 - lr: 0.0022
Epoch 162/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6401 - accuracy: 0.6875
Epoch 162: val_loss did not improve from 0.66341
11/11 [=====] - 0s 7ms/step - loss: 0.6599 - accuracy: 0.
5920 - val_loss: 0.6651 - val_accuracy: 0.5400 - lr: 0.0022
Epoch 163/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6459 - accuracy: 0.6562
Epoch 163: val_loss did not improve from 0.66341
11/11 [=====] - 0s 6ms/step - loss: 0.6605 - accuracy: 0.
5747 - val_loss: 0.6666 - val_accuracy: 0.5467 - lr: 0.0022
Epoch 164/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6747 - accuracy: 0.5312
Epoch 164: val_loss did not improve from 0.66341
11/11 [=====] - 0s 7ms/step - loss: 0.6602 - accuracy: 0.
5718 - val_loss: 0.6641 - val_accuracy: 0.5533 - lr: 0.0022
Epoch 165/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6632 - accuracy: 0.5625
Epoch 165: val_loss did not improve from 0.66341
11/11 [=====] - 0s 8ms/step - loss: 0.6600 - accuracy: 0.
5776 - val_loss: 0.6648 - val_accuracy: 0.5467 - lr: 0.0022
Epoch 166/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6799 - accuracy: 0.5000
Epoch 166: val_loss did not improve from 0.66341
11/11 [=====] - 0s 6ms/step - loss: 0.6598 - accuracy: 0.
5747 - val_loss: 0.6667 - val_accuracy: 0.5333 - lr: 0.0022
Epoch 167/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6307 - accuracy: 0.6250
Epoch 167: val_loss did not improve from 0.66341
11/11 [=====] - 0s 7ms/step - loss: 0.6597 - accuracy: 0.
5805 - val_loss: 0.6674 - val_accuracy: 0.5400 - lr: 0.0022
Epoch 168/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6567 - accuracy: 0.5312
Epoch 168: val_loss did not improve from 0.66341
11/11 [=====] - 0s 7ms/step - loss: 0.6596 - accuracy: 0.
5833 - val_loss: 0.6659 - val_accuracy: 0.5400 - lr: 0.0022
Epoch 169/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6618 - accuracy: 0.5938
```

```
Epoch 169: val_loss did not improve from 0.66341
11/11 [=====] - 0s 7ms/step - loss: 0.6596 - accuracy: 0.
5833 - val_loss: 0.6654 - val_accuracy: 0.5400 - lr: 0.0022
Epoch 170/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6654 - accuracy: 0.5938
Epoch 170: val_loss did not improve from 0.66341
11/11 [=====] - 0s 6ms/step - loss: 0.6597 - accuracy: 0.
5862 - val_loss: 0.6661 - val_accuracy: 0.5333 - lr: 0.0022
Epoch 170: early stopping
Final training loss for single layer and 12 node: 0.6597497463226318
Final training accuracy for single layer and 12 node 0.5862069129943848
Final validation loss for single layer and 12 node 0.6661208868026733
Final validation accuracy for single layer and 12 node 0.5333333611488342
```

single layer and 12 node : Loss



single layer and 12 node: Accuracy



>>>>>>>>>>>>> Model training with single layer and 16 node>>>>>>>>>>

Model: "sequential_32"

Layer (type)	Output Shape	Param #
<hr/>		
dense_85 (Dense)	(None, 16)	48
dense_86 (Dense)	(None, 1)	17
<hr/>		
Total params: 65		
Trainable params: 65		
Non-trainable params: 0		

None

Epoch 1/1000

1/11 [=>.....] - ETA: 4s - loss: 0.6905 - accuracy: 0.5625
Epoch 1: val_loss improved from inf to 0.69359, saving model to tmp/Weights-001--0.69359.hdf5

11/11 [=====] - 1s 21ms/step - loss: 0.6977 - accuracy: 0.5029 - val_loss: 0.6936 - val_accuracy: 0.5133 - lr: 0.0090

Epoch 2/1000

1/11 [=>.....] - ETA: 0s - loss: 0.7001 - accuracy: 0.3125
Epoch 2: val_loss improved from 0.69359 to 0.68928, saving model to tmp/Weights-002--0.68928.hdf5

11/11 [=====] - 0s 8ms/step - loss: 0.6925 - accuracy: 0.5374 - val_loss: 0.6893 - val_accuracy: 0.5800 - lr: 0.0090

Epoch 3/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6909 - accuracy: 0.5625
Epoch 3: val_loss improved from 0.68928 to 0.68748, saving model to tmp/Weights-003--0.68748.hdf5

11/11 [=====] - 0s 10ms/step - loss: 0.6937 - accuracy: 0.5057 - val_loss: 0.6875 - val_accuracy: 0.5600 - lr: 0.0090

Epoch 4/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6874 - accuracy: 0.5312
Epoch 4: val_loss improved from 0.68748 to 0.68519, saving model to tmp/Weights-004--0.68519.hdf5

11/11 [=====] - 0s 8ms/step - loss: 0.6916 - accuracy: 0.5172 - val_loss: 0.6852 - val_accuracy: 0.5800 - lr: 0.0090

Epoch 5/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6989 - accuracy: 0.4375
Epoch 5: val_loss did not improve from 0.68519

11/11 [=====] - 0s 8ms/step - loss: 0.6899 - accuracy: 0.5661 - val_loss: 0.6869 - val_accuracy: 0.5600 - lr: 0.0090

Epoch 6/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6800 - accuracy: 0.5938
Epoch 6: val_loss improved from 0.68519 to 0.68444, saving model to tmp/Weights-006--0.68444.hdf5

11/11 [=====] - 0s 8ms/step - loss: 0.6895 - accuracy: 0.5489 - val_loss: 0.6844 - val_accuracy: 0.5667 - lr: 0.0090

Epoch 7/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6648 - accuracy: 0.6875
Epoch 7: val_loss improved from 0.68444 to 0.68271, saving model to tmp/Weights-007--0.68271.hdf5

11/11 [=====] - 0s 9ms/step - loss: 0.6884 - accuracy: 0.5603 - val_loss: 0.6827 - val_accuracy: 0.5867 - lr: 0.0090

Epoch 8/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6865 - accuracy: 0.6250
Epoch 8: val_loss improved from 0.68271 to 0.68198, saving model to tmp/Weights-008--0.68198.hdf5

11/11 [=====] - 0s 8ms/step - loss: 0.6877 - accuracy: 0.

```
5718 - val_loss: 0.6820 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 9/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6902 - accuracy: 0.5625
Epoch 9: val_loss improved from 0.68198 to 0.68087, saving model to tmp/Weights-0
9--0.68087.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6873 - accuracy: 0.
5661 - val_loss: 0.6809 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 10/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6727 - accuracy: 0.5625
Epoch 10: val_loss improved from 0.68087 to 0.68025, saving model to tmp/Weights-0
10--0.68025.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6876 - accuracy: 0.
5374 - val_loss: 0.6802 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 11/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6904 - accuracy: 0.5625
Epoch 11: val_loss improved from 0.68025 to 0.67820, saving model to tmp/Weights-0
11--0.67820.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6886 - accuracy: 0.
5201 - val_loss: 0.6782 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 12/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6810 - accuracy: 0.6250
Epoch 12: val_loss did not improve from 0.67820
11/11 [=====] - 0s 8ms/step - loss: 0.6868 - accuracy: 0.
5546 - val_loss: 0.6793 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 13/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6689 - accuracy: 0.6875
Epoch 13: val_loss did not improve from 0.67820
11/11 [=====] - 0s 6ms/step - loss: 0.6860 - accuracy: 0.
5517 - val_loss: 0.6795 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 14/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7015 - accuracy: 0.4375
Epoch 14: val_loss did not improve from 0.67820
11/11 [=====] - 0s 7ms/step - loss: 0.6864 - accuracy: 0.
5201 - val_loss: 0.6790 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 15/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6786 - accuracy: 0.5938
Epoch 15: val_loss improved from 0.67820 to 0.67555, saving model to tmp/Weights-0
15--0.67555.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6856 - accuracy: 0.
5603 - val_loss: 0.6755 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 16/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6364 - accuracy: 0.7500
Epoch 16: val_loss did not improve from 0.67555
11/11 [=====] - 0s 6ms/step - loss: 0.6847 - accuracy: 0.
5603 - val_loss: 0.6768 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 17/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6766 - accuracy: 0.7500
Epoch 17: val_loss did not improve from 0.67555
11/11 [=====] - 0s 8ms/step - loss: 0.6853 - accuracy: 0.
5546 - val_loss: 0.6771 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 18/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6715 - accuracy: 0.6250
Epoch 18: val_loss did not improve from 0.67555
11/11 [=====] - 0s 6ms/step - loss: 0.6844 - accuracy: 0.
5776 - val_loss: 0.6769 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 19/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6435 - accuracy: 0.6562
Epoch 19: val_loss improved from 0.67555 to 0.67382, saving model to tmp/Weights-0
19--0.67382.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6844 - accuracy: 0.
5833 - val_loss: 0.6738 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 20/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6484 - accuracy: 0.6562
Epoch 20: val_loss improved from 0.67382 to 0.67378, saving model to tmp/Weights-0
```

```
20--0.67378.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6858 - accuracy: 0.
5460 - val_loss: 0.6738 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 21/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6816 - accuracy: 0.5625
Epoch 21: val_loss did not improve from 0.67378
11/11 [=====] - 0s 7ms/step - loss: 0.6839 - accuracy: 0.
5833 - val_loss: 0.6750 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 22/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6951 - accuracy: 0.5000
Epoch 22: val_loss did not improve from 0.67378
11/11 [=====] - 0s 7ms/step - loss: 0.6833 - accuracy: 0.
5805 - val_loss: 0.6744 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 23/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6629 - accuracy: 0.6875
Epoch 23: val_loss improved from 0.67378 to 0.67351, saving model to tmp/Weights-0
23--0.67351.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6827 - accuracy: 0.
5661 - val_loss: 0.6735 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 24/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7108 - accuracy: 0.4062
Epoch 24: val_loss did not improve from 0.67351
11/11 [=====] - 0s 6ms/step - loss: 0.6830 - accuracy: 0.
5402 - val_loss: 0.6746 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 25/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6953 - accuracy: 0.4062
Epoch 25: val_loss improved from 0.67351 to 0.67238, saving model to tmp/Weights-0
25--0.67238.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6833 - accuracy: 0.
5776 - val_loss: 0.6724 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 26/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7101 - accuracy: 0.5625
Epoch 26: val_loss did not improve from 0.67238
11/11 [=====] - 0s 8ms/step - loss: 0.6819 - accuracy: 0.
5747 - val_loss: 0.6736 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 27/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6467 - accuracy: 0.6562
Epoch 27: val_loss did not improve from 0.67238
11/11 [=====] - 0s 6ms/step - loss: 0.6818 - accuracy: 0.
5805 - val_loss: 0.6733 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 28/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6938 - accuracy: 0.5000
Epoch 28: val_loss did not improve from 0.67238
11/11 [=====] - 0s 6ms/step - loss: 0.6817 - accuracy: 0.
5431 - val_loss: 0.6726 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 29/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6597 - accuracy: 0.6250
Epoch 29: val_loss did not improve from 0.67238
11/11 [=====] - 0s 6ms/step - loss: 0.6809 - accuracy: 0.
5632 - val_loss: 0.6725 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 30/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6689 - accuracy: 0.6250
Epoch 30: val_loss did not improve from 0.67238
11/11 [=====] - 0s 7ms/step - loss: 0.6812 - accuracy: 0.
5747 - val_loss: 0.6732 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 31/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6608 - accuracy: 0.5312
Epoch 31: val_loss improved from 0.67238 to 0.67141, saving model to tmp/Weights-0
31--0.67141.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6810 - accuracy: 0.
5632 - val_loss: 0.6714 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 32/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7214 - accuracy: 0.3750
Epoch 32: val_loss did not improve from 0.67141
```

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11/11 [=====] - 0s 6ms/step - loss: 0.6802 - accuracy: 0.5287 - val_loss: 0.6718 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 33/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7136 - accuracy: 0.4062
Epoch 33: val_loss did not improve from 0.67141
11/11 [=====] - 0s 6ms/step - loss: 0.6795 - accuracy: 0.5690 - val_loss: 0.6716 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 34/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6947 - accuracy: 0.5312
Epoch 34: val_loss did not improve from 0.67141
11/11 [=====] - 0s 6ms/step - loss: 0.6800 - accuracy: 0.5489 - val_loss: 0.6717 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 35/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6808 - accuracy: 0.5000
Epoch 35: val_loss improved from 0.67141 to 0.67047, saving model to tmp/Weights-035--0.67047.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6791 - accuracy: 0.5747 - val_loss: 0.6705 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 36/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7113 - accuracy: 0.6562
Epoch 36: val_loss did not improve from 0.67047
11/11 [=====] - 0s 6ms/step - loss: 0.6804 - accuracy: 0.5747 - val_loss: 0.6722 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 37/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6895 - accuracy: 0.5938
Epoch 37: val_loss improved from 0.67047 to 0.66846, saving model to tmp/Weights-037--0.66846.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6776 - accuracy: 0.5948 - val_loss: 0.6685 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 38/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6531 - accuracy: 0.5938
Epoch 38: val_loss did not improve from 0.66846
11/11 [=====] - 0s 7ms/step - loss: 0.6789 - accuracy: 0.5374 - val_loss: 0.6703 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 39/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6800 - accuracy: 0.5625
Epoch 39: val_loss did not improve from 0.66846
11/11 [=====] - 0s 8ms/step - loss: 0.6783 - accuracy: 0.5661 - val_loss: 0.6694 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 40/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7021 - accuracy: 0.4688
Epoch 40: val_loss did not improve from 0.66846
11/11 [=====] - 0s 7ms/step - loss: 0.6765 - accuracy: 0.5575 - val_loss: 0.6689 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 41/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6503 - accuracy: 0.5625
Epoch 41: val_loss did not improve from 0.66846
11/11 [=====] - 0s 7ms/step - loss: 0.6764 - accuracy: 0.5603 - val_loss: 0.6699 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 42/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6649 - accuracy: 0.6250
Epoch 42: val_loss did not improve from 0.66846
11/11 [=====] - 0s 6ms/step - loss: 0.6764 - accuracy: 0.5575 - val_loss: 0.6721 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 43/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6716 - accuracy: 0.5625
Epoch 43: val_loss improved from 0.66846 to 0.66705, saving model to tmp/Weights-043--0.66705.hdf5
11/11 [=====] - 0s 7ms/step - loss: 0.6754 - accuracy: 0.5460 - val_loss: 0.6670 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 44/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6178 - accuracy: 0.6875
Epoch 44: val_loss did not improve from 0.66705
11/11 [=====] - 0s 8ms/step - loss: 0.6738 - accuracy: 0.
```

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5805 - val_loss: 0.6695 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 45/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6124 - accuracy: 0.6562
Epoch 45: val_loss did not improve from 0.66705
11/11 [=====] - 0s 6ms/step - loss: 0.6737 - accuracy: 0.
5891 - val_loss: 0.6689 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 46/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6753 - accuracy: 0.5625
Epoch 46: val_loss did not improve from 0.66705
11/11 [=====] - 0s 6ms/step - loss: 0.6736 - accuracy: 0.
5345 - val_loss: 0.6691 - val_accuracy: 0.4800 - lr: 0.0090
Epoch 47/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6536 - accuracy: 0.4688
Epoch 47: val_loss did not improve from 0.66705
11/11 [=====] - 0s 7ms/step - loss: 0.6746 - accuracy: 0.
5201 - val_loss: 0.6692 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 48/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7335 - accuracy: 0.5000
Epoch 48: val_loss did not improve from 0.66705
11/11 [=====] - 0s 6ms/step - loss: 0.6733 - accuracy: 0.
5805 - val_loss: 0.6686 - val_accuracy: 0.4800 - lr: 0.0090
Epoch 49/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6890 - accuracy: 0.4688
Epoch 49: val_loss improved from 0.66705 to 0.66664, saving model to tmp/Weights-0
49--0.66664.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6715 - accuracy: 0.
5632 - val_loss: 0.6666 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 50/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7042 - accuracy: 0.4688
Epoch 50: val_loss did not improve from 0.66664
11/11 [=====] - 0s 6ms/step - loss: 0.6718 - accuracy: 0.
5489 - val_loss: 0.6671 - val_accuracy: 0.4800 - lr: 0.0090
Epoch 51/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6983 - accuracy: 0.5000
Epoch 51: val_loss did not improve from 0.66664
11/11 [=====] - 0s 8ms/step - loss: 0.6707 - accuracy: 0.
5489 - val_loss: 0.6675 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 52/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6706 - accuracy: 0.5312
Epoch 52: val_loss improved from 0.66664 to 0.66656, saving model to tmp/Weights-0
52--0.66656.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6720 - accuracy: 0.
5345 - val_loss: 0.6666 - val_accuracy: 0.4733 - lr: 0.0090
Epoch 53/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6904 - accuracy: 0.4062
Epoch 53: val_loss did not improve from 0.66656
11/11 [=====] - 0s 8ms/step - loss: 0.6709 - accuracy: 0.
5776 - val_loss: 0.6675 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 54/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6618 - accuracy: 0.7500
Epoch 54: val_loss improved from 0.66656 to 0.66460, saving model to tmp/Weights-0
54--0.66460.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6713 - accuracy: 0.
5690 - val_loss: 0.6646 - val_accuracy: 0.4933 - lr: 0.0090
Epoch 55/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6928 - accuracy: 0.4688
Epoch 55: val_loss did not improve from 0.66460
11/11 [=====] - 0s 6ms/step - loss: 0.6681 - accuracy: 0.
5460 - val_loss: 0.6668 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 56/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6954 - accuracy: 0.5625
Epoch 56: val_loss did not improve from 0.66460
11/11 [=====] - 0s 7ms/step - loss: 0.6673 - accuracy: 0.
5690 - val_loss: 0.6669 - val_accuracy: 0.5333 - lr: 0.0090
```

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Epoch 57/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6559 - accuracy: 0.4375
Epoch 57: val_loss improved from 0.66460 to 0.66419, saving model to tmp/Weights-0
57--0.66419.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6670 - accuracy: 0.
5661 - val_loss: 0.6642 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 58/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6968 - accuracy: 0.4375
Epoch 58: val_loss did not improve from 0.66419
11/11 [=====] - 0s 8ms/step - loss: 0.6663 - accuracy: 0.
5374 - val_loss: 0.6673 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 59/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6596 - accuracy: 0.5625
Epoch 59: val_loss improved from 0.66419 to 0.66400, saving model to tmp/Weights-0
59--0.66400.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6661 - accuracy: 0.
5690 - val_loss: 0.6640 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 60/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6685 - accuracy: 0.5312
Epoch 60: val_loss did not improve from 0.66400
11/11 [=====] - 0s 6ms/step - loss: 0.6647 - accuracy: 0.
5833 - val_loss: 0.6642 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 61/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6728 - accuracy: 0.4688
Epoch 61: val_loss did not improve from 0.66400
11/11 [=====] - 0s 7ms/step - loss: 0.6645 - accuracy: 0.
5690 - val_loss: 0.6655 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 62/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6861 - accuracy: 0.5938
Epoch 62: val_loss improved from 0.66400 to 0.66384, saving model to tmp/Weights-0
62--0.66384.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6640 - accuracy: 0.
5575 - val_loss: 0.6638 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 63/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6955 - accuracy: 0.4688
Epoch 63: val_loss did not improve from 0.66384
11/11 [=====] - 0s 6ms/step - loss: 0.6631 - accuracy: 0.
5575 - val_loss: 0.6640 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 64/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6516 - accuracy: 0.5625
Epoch 64: val_loss did not improve from 0.66384
11/11 [=====] - 0s 8ms/step - loss: 0.6626 - accuracy: 0.
5661 - val_loss: 0.6656 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 65/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6743 - accuracy: 0.4688
Epoch 65: val_loss did not improve from 0.66384
11/11 [=====] - 0s 8ms/step - loss: 0.6639 - accuracy: 0.
5546 - val_loss: 0.6657 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 66/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6864 - accuracy: 0.4375
Epoch 66: val_loss improved from 0.66384 to 0.66184, saving model to tmp/Weights-0
66--0.66184.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6631 - accuracy: 0.
5776 - val_loss: 0.6618 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 67/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5945 - accuracy: 0.6562
Epoch 67: val_loss did not improve from 0.66184
11/11 [=====] - 0s 7ms/step - loss: 0.6603 - accuracy: 0.
5690 - val_loss: 0.6640 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 68/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6762 - accuracy: 0.5938
Epoch 68: val_loss did not improve from 0.66184
11/11 [=====] - 0s 8ms/step - loss: 0.6598 - accuracy: 0.
6006 - val_loss: 0.6658 - val_accuracy: 0.5467 - lr: 0.0090
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Epoch 69/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6739 - accuracy: 0.5625
Epoch 69: val_loss did not improve from 0.66184
11/11 [=====] - 0s 7ms/step - loss: 0.6600 - accuracy: 0.
5747 - val_loss: 0.6622 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 70/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6771 - accuracy: 0.4688
Epoch 70: val_loss did not improve from 0.66184
11/11 [=====] - 0s 8ms/step - loss: 0.6590 - accuracy: 0.
5776 - val_loss: 0.6634 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 71/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6355 - accuracy: 0.5625
Epoch 71: val_loss did not improve from 0.66184
11/11 [=====] - 0s 6ms/step - loss: 0.6605 - accuracy: 0.
5374 - val_loss: 0.6650 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 72/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6506 - accuracy: 0.5000
Epoch 72: val_loss improved from 0.66184 to 0.65878, saving model to tmp/Weights-0
72--0.65878.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6587 - accuracy: 0.
5546 - val_loss: 0.6588 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 73/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6739 - accuracy: 0.4688
Epoch 73: val_loss did not improve from 0.65878
11/11 [=====] - 0s 7ms/step - loss: 0.6591 - accuracy: 0.
5546 - val_loss: 0.6643 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 74/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6430 - accuracy: 0.5312
Epoch 74: val_loss did not improve from 0.65878
11/11 [=====] - 0s 6ms/step - loss: 0.6591 - accuracy: 0.
5489 - val_loss: 0.6615 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 75/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6496 - accuracy: 0.5312
Epoch 75: val_loss did not improve from 0.65878
11/11 [=====] - 0s 7ms/step - loss: 0.6559 - accuracy: 0.
5776 - val_loss: 0.6639 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 76/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6692 - accuracy: 0.5312
Epoch 76: val_loss did not improve from 0.65878
11/11 [=====] - 0s 7ms/step - loss: 0.6557 - accuracy: 0.
5805 - val_loss: 0.6616 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 77/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6608 - accuracy: 0.5938
Epoch 77: val_loss did not improve from 0.65878
11/11 [=====] - 0s 7ms/step - loss: 0.6544 - accuracy: 0.
5661 - val_loss: 0.6625 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 78/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7016 - accuracy: 0.4062
Epoch 78: val_loss did not improve from 0.65878
11/11 [=====] - 0s 7ms/step - loss: 0.6548 - accuracy: 0.
5718 - val_loss: 0.6606 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 79/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7033 - accuracy: 0.4688
Epoch 79: val_loss did not improve from 0.65878
11/11 [=====] - 0s 7ms/step - loss: 0.6540 - accuracy: 0.
5948 - val_loss: 0.6628 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 80/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6363 - accuracy: 0.6250
Epoch 80: val_loss did not improve from 0.65878
11/11 [=====] - 0s 7ms/step - loss: 0.6527 - accuracy: 0.
5833 - val_loss: 0.6614 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 81/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6589 - accuracy: 0.5000
Epoch 81: val_loss did not improve from 0.65878
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11/11 [=====] - 0s 6ms/step - loss: 0.6540 - accuracy: 0.  
5747 - val_loss: 0.6588 - val_accuracy: 0.5333 - lr: 0.0090  
Epoch 82/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6349 - accuracy: 0.5625  
Epoch 82: val_loss did not improve from 0.65878  
11/11 [=====] - 0s 8ms/step - loss: 0.6526 - accuracy: 0.  
5776 - val_loss: 0.6650 - val_accuracy: 0.5267 - lr: 0.0090  
Epoch 83/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6021 - accuracy: 0.7500  
Epoch 83: val_loss did not improve from 0.65878  
11/11 [=====] - 0s 6ms/step - loss: 0.6523 - accuracy: 0.  
5546 - val_loss: 0.6612 - val_accuracy: 0.5533 - lr: 0.0090  
Epoch 84/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6623 - accuracy: 0.4688  
Epoch 84: val_loss did not improve from 0.65878  
11/11 [=====] - 0s 6ms/step - loss: 0.6520 - accuracy: 0.  
5920 - val_loss: 0.6610 - val_accuracy: 0.5667 - lr: 0.0090  
Epoch 85/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6559 - accuracy: 0.5625  
Epoch 85: val_loss did not improve from 0.65878  
11/11 [=====] - 0s 7ms/step - loss: 0.6525 - accuracy: 0.  
5661 - val_loss: 0.6641 - val_accuracy: 0.5333 - lr: 0.0090  
Epoch 86/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6272 - accuracy: 0.5312  
Epoch 86: val_loss did not improve from 0.65878  
11/11 [=====] - 0s 8ms/step - loss: 0.6509 - accuracy: 0.  
5776 - val_loss: 0.6625 - val_accuracy: 0.5467 - lr: 0.0090  
Epoch 87/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6326 - accuracy: 0.5938  
Epoch 87: val_loss did not improve from 0.65878  
11/11 [=====] - 0s 7ms/step - loss: 0.6513 - accuracy: 0.  
5920 - val_loss: 0.6605 - val_accuracy: 0.5667 - lr: 0.0090  
Epoch 88/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6402 - accuracy: 0.6875  
Epoch 88: val_loss did not improve from 0.65878  
11/11 [=====] - 0s 7ms/step - loss: 0.6492 - accuracy: 0.  
5776 - val_loss: 0.6641 - val_accuracy: 0.5333 - lr: 0.0090  
Epoch 89/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6703 - accuracy: 0.6250  
Epoch 89: val_loss did not improve from 0.65878  
11/11 [=====] - 0s 7ms/step - loss: 0.6503 - accuracy: 0.  
6006 - val_loss: 0.6610 - val_accuracy: 0.5667 - lr: 0.0090  
Epoch 90/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5971 - accuracy: 0.7500  
Epoch 90: val_loss did not improve from 0.65878  
11/11 [=====] - 0s 7ms/step - loss: 0.6525 - accuracy: 0.  
5603 - val_loss: 0.6592 - val_accuracy: 0.5267 - lr: 0.0090  
Epoch 91/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6348 - accuracy: 0.6562  
Epoch 91: val_loss did not improve from 0.65878  
11/11 [=====] - 0s 6ms/step - loss: 0.6477 - accuracy: 0.  
5747 - val_loss: 0.6610 - val_accuracy: 0.5333 - lr: 0.0090  
Epoch 92/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6293 - accuracy: 0.7188  
Epoch 92: val_loss did not improve from 0.65878  
  
Epoch 92: ReduceLROnPlateau reducing learning rate to 0.0044999998062849045.  
11/11 [=====] - 0s 7ms/step - loss: 0.6487 - accuracy: 0.  
5920 - val_loss: 0.6623 - val_accuracy: 0.5400 - lr: 0.0090  
Epoch 93/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6846 - accuracy: 0.5625  
Epoch 93: val_loss did not improve from 0.65878  
11/11 [=====] - 0s 6ms/step - loss: 0.6482 - accuracy: 0.  
6006 - val_loss: 0.6594 - val_accuracy: 0.5600 - lr: 0.0045
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Epoch 94/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6464 - accuracy: 0.4688
Epoch 94: val_loss did not improve from 0.65878
11/11 [=====] - 0s 8ms/step - loss: 0.6467 - accuracy: 0.
5862 - val_loss: 0.6609 - val_accuracy: 0.5333 - lr: 0.0045
Epoch 95/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6354 - accuracy: 0.6562
Epoch 95: val_loss did not improve from 0.65878
11/11 [=====] - 0s 8ms/step - loss: 0.6460 - accuracy: 0.
5690 - val_loss: 0.6611 - val_accuracy: 0.5333 - lr: 0.0045
Epoch 96/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6455 - accuracy: 0.5938
Epoch 96: val_loss did not improve from 0.65878
11/11 [=====] - 0s 8ms/step - loss: 0.6463 - accuracy: 0.
5747 - val_loss: 0.6609 - val_accuracy: 0.5467 - lr: 0.0045
Epoch 97/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6704 - accuracy: 0.6562
Epoch 97: val_loss did not improve from 0.65878
11/11 [=====] - 0s 6ms/step - loss: 0.6458 - accuracy: 0.
6063 - val_loss: 0.6598 - val_accuracy: 0.5533 - lr: 0.0045
Epoch 98/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6843 - accuracy: 0.4688
Epoch 98: val_loss improved from 0.65878 to 0.65868, saving model to tmp/Weights-0
98--0.65868.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6462 - accuracy: 0.
5891 - val_loss: 0.6587 - val_accuracy: 0.5467 - lr: 0.0045
Epoch 99/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6544 - accuracy: 0.5938
Epoch 99: val_loss did not improve from 0.65868
11/11 [=====] - 0s 7ms/step - loss: 0.6453 - accuracy: 0.
5977 - val_loss: 0.6619 - val_accuracy: 0.5467 - lr: 0.0045
Epoch 100/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6639 - accuracy: 0.6250
Epoch 100: val_loss did not improve from 0.65868
11/11 [=====] - 0s 6ms/step - loss: 0.6463 - accuracy: 0.
5948 - val_loss: 0.6617 - val_accuracy: 0.5533 - lr: 0.0045
Epoch 101/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6081 - accuracy: 0.6875
Epoch 101: val_loss did not improve from 0.65868
11/11 [=====] - 0s 7ms/step - loss: 0.6460 - accuracy: 0.
6034 - val_loss: 0.6602 - val_accuracy: 0.5333 - lr: 0.0045
Epoch 102/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6327 - accuracy: 0.6250
Epoch 102: val_loss did not improve from 0.65868
11/11 [=====] - 0s 7ms/step - loss: 0.6467 - accuracy: 0.
5603 - val_loss: 0.6628 - val_accuracy: 0.5400 - lr: 0.0045
Epoch 103/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6529 - accuracy: 0.5000
Epoch 103: val_loss improved from 0.65868 to 0.65801, saving model to tmp/Weights-
103--0.65801.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6461 - accuracy:
0.5862 - val_loss: 0.6580 - val_accuracy: 0.5467 - lr: 0.0045
Epoch 104/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6373 - accuracy: 0.5938
Epoch 104: val_loss did not improve from 0.65801
11/11 [=====] - 0s 8ms/step - loss: 0.6457 - accuracy: 0.
5920 - val_loss: 0.6582 - val_accuracy: 0.5733 - lr: 0.0045
Epoch 105/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6117 - accuracy: 0.6250
Epoch 105: val_loss did not improve from 0.65801
11/11 [=====] - 0s 6ms/step - loss: 0.6447 - accuracy: 0.
5948 - val_loss: 0.6635 - val_accuracy: 0.5733 - lr: 0.0045
Epoch 106/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6543 - accuracy: 0.5312
```

```
Epoch 106: val_loss improved from 0.65801 to 0.65779, saving model to tmp/Weights--106--0.65779.hdf5
11/11 [=====] - 0s 7ms/step - loss: 0.6448 - accuracy: 0.
5948 - val_loss: 0.6578 - val_accuracy: 0.5400 - lr: 0.0045
Epoch 107/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6626 - accuracy: 0.4062
Epoch 107: val_loss did not improve from 0.65779
11/11 [=====] - 0s 6ms/step - loss: 0.6456 - accuracy: 0.
5776 - val_loss: 0.6612 - val_accuracy: 0.5600 - lr: 0.0045
Epoch 108/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5595 - accuracy: 0.7500
Epoch 108: val_loss did not improve from 0.65779
11/11 [=====] - 0s 6ms/step - loss: 0.6438 - accuracy: 0.
5776 - val_loss: 0.6597 - val_accuracy: 0.5467 - lr: 0.0045
Epoch 109/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6347 - accuracy: 0.6875
Epoch 109: val_loss did not improve from 0.65779
11/11 [=====] - 0s 7ms/step - loss: 0.6447 - accuracy: 0.
5948 - val_loss: 0.6619 - val_accuracy: 0.5667 - lr: 0.0045
Epoch 110/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6594 - accuracy: 0.5625
Epoch 110: val_loss did not improve from 0.65779
11/11 [=====] - 0s 6ms/step - loss: 0.6432 - accuracy: 0.
5948 - val_loss: 0.6591 - val_accuracy: 0.5467 - lr: 0.0045
Epoch 111/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6331 - accuracy: 0.7188
Epoch 111: val_loss did not improve from 0.65779
11/11 [=====] - 0s 7ms/step - loss: 0.6446 - accuracy: 0.
5920 - val_loss: 0.6617 - val_accuracy: 0.5667 - lr: 0.0045
Epoch 112/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6288 - accuracy: 0.6875
Epoch 112: val_loss improved from 0.65779 to 0.65738, saving model to tmp/Weights--112--0.65738.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6432 - accuracy: 0.
6063 - val_loss: 0.6574 - val_accuracy: 0.5467 - lr: 0.0045
Epoch 113/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6998 - accuracy: 0.5312
Epoch 113: val_loss did not improve from 0.65738
11/11 [=====] - 0s 6ms/step - loss: 0.6428 - accuracy: 0.
5920 - val_loss: 0.6605 - val_accuracy: 0.5533 - lr: 0.0045
Epoch 114/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6640 - accuracy: 0.5000
Epoch 114: val_loss did not improve from 0.65738
11/11 [=====] - 0s 7ms/step - loss: 0.6432 - accuracy: 0.
5862 - val_loss: 0.6612 - val_accuracy: 0.5667 - lr: 0.0045
Epoch 115/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6392 - accuracy: 0.5625
Epoch 115: val_loss did not improve from 0.65738
11/11 [=====] - 0s 8ms/step - loss: 0.6421 - accuracy: 0.
5920 - val_loss: 0.6605 - val_accuracy: 0.5467 - lr: 0.0045
Epoch 116/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6300 - accuracy: 0.6250
Epoch 116: val_loss did not improve from 0.65738
11/11 [=====] - 0s 6ms/step - loss: 0.6426 - accuracy: 0.
6006 - val_loss: 0.6594 - val_accuracy: 0.5467 - lr: 0.0045
Epoch 117/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6909 - accuracy: 0.3750
Epoch 117: val_loss did not improve from 0.65738
11/11 [=====] - 0s 7ms/step - loss: 0.6435 - accuracy: 0.
5776 - val_loss: 0.6603 - val_accuracy: 0.5533 - lr: 0.0045
Epoch 118/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5704 - accuracy: 0.7812
Epoch 118: val_loss did not improve from 0.65738
11/11 [=====] - 0s 7ms/step - loss: 0.6422 - accuracy: 0.
```

```
6063 - val_loss: 0.6602 - val_accuracy: 0.5600 - lr: 0.0045
Epoch 119/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6176 - accuracy: 0.6250
Epoch 119: val_loss did not improve from 0.65738
11/11 [=====] - 0s 6ms/step - loss: 0.6415 - accuracy: 0.
5948 - val_loss: 0.6595 - val_accuracy: 0.5467 - lr: 0.0045
Epoch 120/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6354 - accuracy: 0.5938
Epoch 120: val_loss did not improve from 0.65738
11/11 [=====] - 0s 7ms/step - loss: 0.6422 - accuracy: 0.
6034 - val_loss: 0.6602 - val_accuracy: 0.5667 - lr: 0.0045
Epoch 121/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6644 - accuracy: 0.5625
Epoch 121: val_loss did not improve from 0.65738
11/11 [=====] - 0s 8ms/step - loss: 0.6412 - accuracy: 0.
5977 - val_loss: 0.6579 - val_accuracy: 0.5533 - lr: 0.0045
Epoch 122/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5999 - accuracy: 0.6250
Epoch 122: val_loss did not improve from 0.65738
11/11 [=====] - 0s 6ms/step - loss: 0.6413 - accuracy: 0.
6006 - val_loss: 0.6596 - val_accuracy: 0.5400 - lr: 0.0045
Epoch 123/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6494 - accuracy: 0.6250
Epoch 123: val_loss did not improve from 0.65738
11/11 [=====] - 0s 7ms/step - loss: 0.6407 - accuracy: 0.
6006 - val_loss: 0.6593 - val_accuracy: 0.5467 - lr: 0.0045
Epoch 124/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6337 - accuracy: 0.5625
Epoch 124: val_loss did not improve from 0.65738
11/11 [=====] - 0s 6ms/step - loss: 0.6412 - accuracy: 0.
5920 - val_loss: 0.6606 - val_accuracy: 0.5667 - lr: 0.0045
Epoch 125/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6091 - accuracy: 0.6562
Epoch 125: val_loss did not improve from 0.65738
11/11 [=====] - 0s 7ms/step - loss: 0.6409 - accuracy: 0.
6063 - val_loss: 0.6629 - val_accuracy: 0.5933 - lr: 0.0045
Epoch 126/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6568 - accuracy: 0.5312
Epoch 126: val_loss did not improve from 0.65738
11/11 [=====] - 0s 6ms/step - loss: 0.6415 - accuracy: 0.
6006 - val_loss: 0.6590 - val_accuracy: 0.5667 - lr: 0.0045
Epoch 127/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6177 - accuracy: 0.6562
Epoch 127: val_loss did not improve from 0.65738
11/11 [=====] - 0s 7ms/step - loss: 0.6406 - accuracy: 0.
6121 - val_loss: 0.6590 - val_accuracy: 0.5600 - lr: 0.0045
Epoch 128/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6656 - accuracy: 0.4688
Epoch 128: val_loss did not improve from 0.65738
11/11 [=====] - 0s 6ms/step - loss: 0.6403 - accuracy: 0.
6121 - val_loss: 0.6611 - val_accuracy: 0.5733 - lr: 0.0045
Epoch 129/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6542 - accuracy: 0.5312
Epoch 129: val_loss did not improve from 0.65738
11/11 [=====] - 0s 7ms/step - loss: 0.6404 - accuracy: 0.
6092 - val_loss: 0.6592 - val_accuracy: 0.5667 - lr: 0.0045
Epoch 130/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6380 - accuracy: 0.5625
Epoch 130: val_loss did not improve from 0.65738
11/11 [=====] - 0s 8ms/step - loss: 0.6400 - accuracy: 0.
6063 - val_loss: 0.6600 - val_accuracy: 0.5600 - lr: 0.0045
Epoch 131/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6613 - accuracy: 0.6250
Epoch 131: val_loss did not improve from 0.65738
```

```
11/11 [=====] - 0s 7ms/step - loss: 0.6401 - accuracy: 0.  
6063 - val_loss: 0.6590 - val_accuracy: 0.5400 - lr: 0.0045  
Epoch 132/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5911 - accuracy: 0.7188  
Epoch 132: val_loss did not improve from 0.65738  
  
Epoch 132: ReduceLROnPlateau reducing learning rate to 0.0022499999031424522.  
11/11 [=====] - 0s 8ms/step - loss: 0.6402 - accuracy: 0.  
6264 - val_loss: 0.6608 - val_accuracy: 0.5867 - lr: 0.0045  
Epoch 133/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6779 - accuracy: 0.5312  
Epoch 133: val_loss did not improve from 0.65738  
11/11 [=====] - 0s 7ms/step - loss: 0.6390 - accuracy: 0.  
6207 - val_loss: 0.6598 - val_accuracy: 0.5667 - lr: 0.0022  
Epoch 134/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6413 - accuracy: 0.6875  
Epoch 134: val_loss did not improve from 0.65738  
11/11 [=====] - 0s 8ms/step - loss: 0.6392 - accuracy: 0.  
6178 - val_loss: 0.6587 - val_accuracy: 0.5600 - lr: 0.0022  
Epoch 135/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6120 - accuracy: 0.6250  
Epoch 135: val_loss did not improve from 0.65738  
11/11 [=====] - 0s 8ms/step - loss: 0.6389 - accuracy: 0.  
6149 - val_loss: 0.6593 - val_accuracy: 0.5667 - lr: 0.0022  
Epoch 136/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6286 - accuracy: 0.7188  
Epoch 136: val_loss did not improve from 0.65738  
11/11 [=====] - 0s 7ms/step - loss: 0.6388 - accuracy: 0.  
6121 - val_loss: 0.6600 - val_accuracy: 0.5867 - lr: 0.0022  
Epoch 137/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6397 - accuracy: 0.6562  
Epoch 137: val_loss did not improve from 0.65738  
11/11 [=====] - 0s 6ms/step - loss: 0.6389 - accuracy: 0.  
6149 - val_loss: 0.6593 - val_accuracy: 0.5667 - lr: 0.0022  
Epoch 138/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6639 - accuracy: 0.5625  
Epoch 138: val_loss did not improve from 0.65738  
11/11 [=====] - 0s 8ms/step - loss: 0.6388 - accuracy: 0.  
6063 - val_loss: 0.6601 - val_accuracy: 0.5800 - lr: 0.0022  
Epoch 139/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6522 - accuracy: 0.5625  
Epoch 139: val_loss did not improve from 0.65738  
11/11 [=====] - 0s 6ms/step - loss: 0.6385 - accuracy: 0.  
6178 - val_loss: 0.6614 - val_accuracy: 0.5933 - lr: 0.0022  
Epoch 140/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6444 - accuracy: 0.5938  
Epoch 140: val_loss did not improve from 0.65738  
11/11 [=====] - 0s 6ms/step - loss: 0.6388 - accuracy: 0.  
6264 - val_loss: 0.6610 - val_accuracy: 0.6000 - lr: 0.0022  
Epoch 141/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6373 - accuracy: 0.6250  
Epoch 141: val_loss did not improve from 0.65738  
11/11 [=====] - 0s 8ms/step - loss: 0.6386 - accuracy: 0.  
6236 - val_loss: 0.6589 - val_accuracy: 0.5667 - lr: 0.0022  
Epoch 142/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6010 - accuracy: 0.6562  
Epoch 142: val_loss did not improve from 0.65738  
11/11 [=====] - 0s 8ms/step - loss: 0.6388 - accuracy: 0.  
6178 - val_loss: 0.6612 - val_accuracy: 0.5867 - lr: 0.0022  
Epoch 143/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6443 - accuracy: 0.6250  
Epoch 143: val_loss did not improve from 0.65738  
11/11 [=====] - 0s 7ms/step - loss: 0.6386 - accuracy: 0.  
6207 - val_loss: 0.6600 - val_accuracy: 0.5867 - lr: 0.0022
```

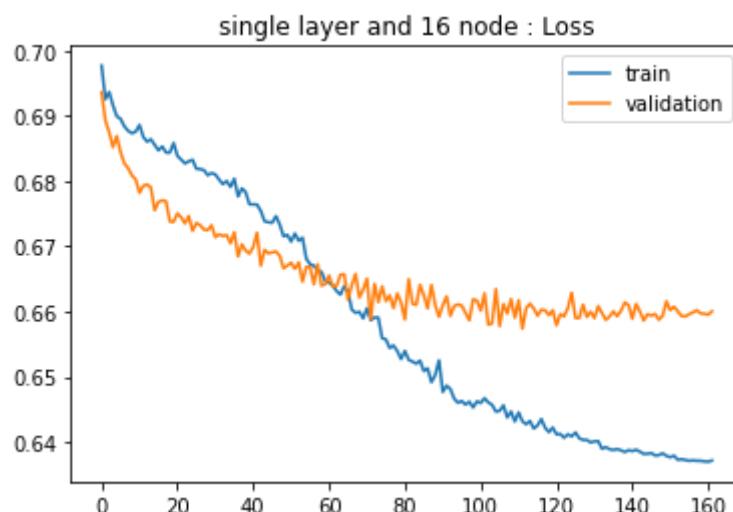
```
Epoch 144/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6139 - accuracy: 0.6250
Epoch 144: val_loss did not improve from 0.65738
11/11 [=====] - 0s 7ms/step - loss: 0.6382 - accuracy: 0.
6121 - val_loss: 0.6586 - val_accuracy: 0.5667 - lr: 0.0022
Epoch 145/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6039 - accuracy: 0.6562
Epoch 145: val_loss did not improve from 0.65738
11/11 [=====] - 0s 9ms/step - loss: 0.6382 - accuracy: 0.
6178 - val_loss: 0.6596 - val_accuracy: 0.5867 - lr: 0.0022
Epoch 146/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6512 - accuracy: 0.6875
Epoch 146: val_loss did not improve from 0.65738
11/11 [=====] - 0s 8ms/step - loss: 0.6383 - accuracy: 0.
6207 - val_loss: 0.6594 - val_accuracy: 0.5867 - lr: 0.0022
Epoch 147/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5867 - accuracy: 0.6562
Epoch 147: val_loss did not improve from 0.65738
11/11 [=====] - 0s 7ms/step - loss: 0.6380 - accuracy: 0.
6264 - val_loss: 0.6596 - val_accuracy: 0.5867 - lr: 0.0022
Epoch 148/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6699 - accuracy: 0.6250
Epoch 148: val_loss did not improve from 0.65738
11/11 [=====] - 0s 7ms/step - loss: 0.6380 - accuracy: 0.
6178 - val_loss: 0.6588 - val_accuracy: 0.5600 - lr: 0.0022
Epoch 149/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6506 - accuracy: 0.5938
Epoch 149: val_loss did not improve from 0.65738
11/11 [=====] - 0s 7ms/step - loss: 0.6383 - accuracy: 0.
6121 - val_loss: 0.6594 - val_accuracy: 0.5533 - lr: 0.0022
Epoch 150/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6054 - accuracy: 0.7188
Epoch 150: val_loss did not improve from 0.65738
11/11 [=====] - 0s 6ms/step - loss: 0.6379 - accuracy: 0.
6207 - val_loss: 0.6616 - val_accuracy: 0.5933 - lr: 0.0022
Epoch 151/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5989 - accuracy: 0.5938
Epoch 151: val_loss did not improve from 0.65738
11/11 [=====] - 0s 6ms/step - loss: 0.6377 - accuracy: 0.
6207 - val_loss: 0.6602 - val_accuracy: 0.6000 - lr: 0.0022
Epoch 152/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6503 - accuracy: 0.5938
Epoch 152: val_loss did not improve from 0.65738

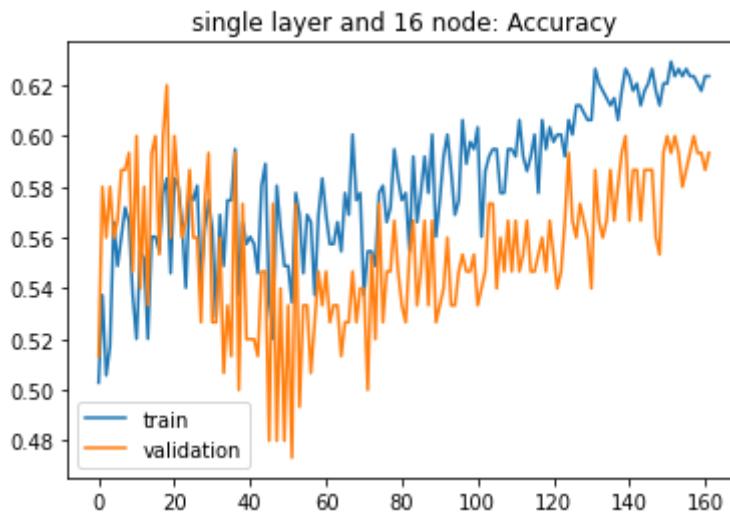
Epoch 152: ReduceLROnPlateau reducing learning rate to 0.0011249999515712261.
11/11 [=====] - 0s 9ms/step - loss: 0.6379 - accuracy: 0.
6293 - val_loss: 0.6608 - val_accuracy: 0.5933 - lr: 0.0022
Epoch 153/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6276 - accuracy: 0.6250
Epoch 153: val_loss did not improve from 0.65738
11/11 [=====] - 0s 7ms/step - loss: 0.6373 - accuracy: 0.
6236 - val_loss: 0.6601 - val_accuracy: 0.6000 - lr: 0.0011
Epoch 154/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6290 - accuracy: 0.6875
Epoch 154: val_loss did not improve from 0.65738
11/11 [=====] - 0s 7ms/step - loss: 0.6374 - accuracy: 0.
6264 - val_loss: 0.6593 - val_accuracy: 0.5933 - lr: 0.0011
Epoch 155/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6687 - accuracy: 0.5625
Epoch 155: val_loss did not improve from 0.65738
11/11 [=====] - 0s 7ms/step - loss: 0.6373 - accuracy: 0.
6236 - val_loss: 0.6593 - val_accuracy: 0.5800 - lr: 0.0011
Epoch 156/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6583 - accuracy: 0.5312
```

```

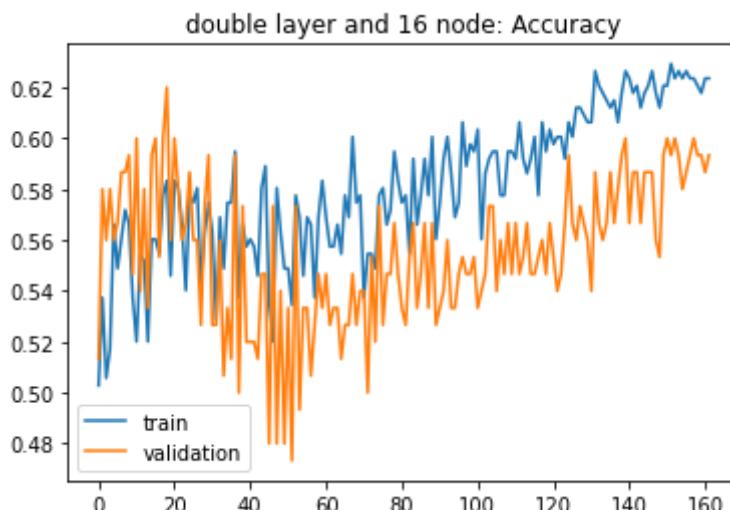
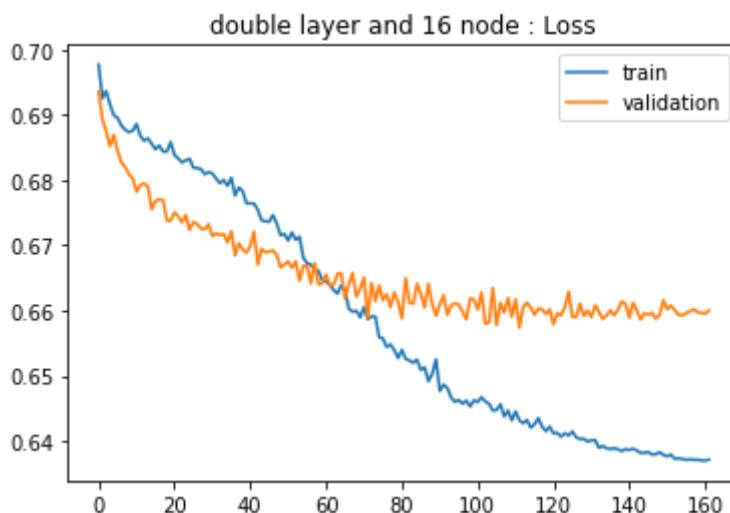
Epoch 156: val_loss did not improve from 0.65738
11/11 [=====] - 0s 8ms/step - loss: 0.6372 - accuracy: 0.
6264 - val_loss: 0.6596 - val_accuracy: 0.5867 - lr: 0.0011
Epoch 157/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6143 - accuracy: 0.5938
Epoch 157: val_loss did not improve from 0.65738
11/11 [=====] - 0s 7ms/step - loss: 0.6372 - accuracy: 0.
6236 - val_loss: 0.6599 - val_accuracy: 0.5933 - lr: 0.0011
Epoch 158/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6043 - accuracy: 0.6875
Epoch 158: val_loss did not improve from 0.65738
11/11 [=====] - 0s 8ms/step - loss: 0.6372 - accuracy: 0.
6236 - val_loss: 0.6602 - val_accuracy: 0.6000 - lr: 0.0011
Epoch 159/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6563 - accuracy: 0.6250
Epoch 159: val_loss did not improve from 0.65738
11/11 [=====] - 0s 7ms/step - loss: 0.6372 - accuracy: 0.
6207 - val_loss: 0.6597 - val_accuracy: 0.5933 - lr: 0.0011
Epoch 160/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5499 - accuracy: 0.7500
Epoch 160: val_loss did not improve from 0.65738
11/11 [=====] - 0s 6ms/step - loss: 0.6371 - accuracy: 0.
6178 - val_loss: 0.6597 - val_accuracy: 0.5933 - lr: 0.0011
Epoch 161/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6258 - accuracy: 0.6562
Epoch 161: val_loss did not improve from 0.65738
11/11 [=====] - 0s 6ms/step - loss: 0.6370 - accuracy: 0.
6236 - val_loss: 0.6595 - val_accuracy: 0.5867 - lr: 0.0011
Epoch 162/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6129 - accuracy: 0.6875
Epoch 162: val_loss did not improve from 0.65738
11/11 [=====] - 0s 7ms/step - loss: 0.6372 - accuracy: 0.
6236 - val_loss: 0.6600 - val_accuracy: 0.5933 - lr: 0.0011
Epoch 162: early stopping
Final training loss for single layer and 16 node: 0.6371882557868958
Final training accuracy for single layer and 16 node 0.6235632300376892
Final validation loss for single layer and 16 node 0.6600452065467834
Final validation accuracy for single layer and 16 node 0.5933333039283752

```





```
In [33]: plt.title(f'double layer and {node} node : Loss')
plt.plot(model.history['loss'], label='train')
plt.plot(model.history['val_loss'], label='validation')
plt.legend()
plt.show()
plt.title(f'double layer and {node} node: Accuracy')
plt.plot(model.history['accuracy'], label='train')
plt.plot(model.history['val_accuracy'], label='validation')
plt.legend()
plt.show()
```



Summary of Results for single hidden layer

In [34]: Evaluation_summary

Out[34]:

	NumOfHiddenLayer	NumOfNode	Train Loss	Train Accuracy	Validation Loss	Validation Accuracy
0	1	4	0.680370	0.525862	0.680409	0.506667
1	1	8	0.665524	0.594828	0.668044	0.533333
2	1	12	0.659750	0.586207	0.666121	0.533333
3	1	16	0.637188	0.623563	0.660045	0.593333

Observation: As num of nodes in single hidden layer increasing, model performance is better for both training as well as validation though its accuracy is not very good as it is difficult to create model for Non linear region using single hidden layer.

Model building with double Hidden Layer

Model is created with all permutation from the given list (4,8,12,16) in double hidden layer. so there will be 16 model.

```
In [35]: def create_double_hidden_layer_ann_model(input_dim:int, nodes_in_hidden_layers:int,
                                             checkpoint_enable:bool=False, checkpoint_dir:str):
    NN_model = Sequential()

    # The Input Layer :
    NN_model.add(Input(input_dim))
    # The Hidden Layer :
    # Layer 1
    NN_model.add(Dense(nodes_in_hidden_layers[0], activation='relu', activity_regularizer=regularizers.l2(0.001)))
    # NN_model.add(Dropout(rate=0.1))
    # Layer 2
    NN_model.add(Dense(nodes_in_hidden_layers[1], activation='relu', activity_regularizer=regularizers.l2(0.001)))
    # NN_model.add(Dropout(rate=0.1))
    # The Output Layer :
    NN_model.add(Dense(1, activation='sigmoid'))

    print(NN_model.summary())
    adam=Adam(learning_rate=0.009)
    # sgd=SGD(lr=0.001, momentum=0.9)
    # Compile the network :
    NN_model.compile(loss='binary_crossentropy', optimizer=adam, metrics=['accuracy'])

    # Define a checkpoint
    if checkpoint_enable:
        checkpoint_name = checkpoint_dir + '/Weights-{epoch:03d}--{val_loss:.5f}.hdf5'
        checkpoint = ModelCheckpoint(checkpoint_name, monitor='val_loss', verbose=1, save_best_only=True)
        callbacks_list = [checkpoint]
    else: callbacks_list = None
    return NN_model, callbacks_list
```

```
In [36]: node_list=[4, 8, 12, 16]
Evaluation_summary=pd.DataFrame()
for node1 in node_list:
    for node2 in node_list:
        node=[node1, node2]
```

```
print(f'>>>>>>>>>>>>>>> Model training with double hidden layer and {node} nodes')
print('\n\n')
NN_model, callbacks_list=create_double_hidden_layer_ann_model(input_dim=2, output_dim=1)
rlrp = ReduceLROnPlateau(monitor='val_loss', factor=0.7, patience=50, min_lr=0.0001)
callbacks_list=callbacks_list+[rlrp]
es = EarlyStopping(monitor='val_loss', mode='min', verbose=1, patience=100)
callbacks_list=callbacks_list+[es]
model = NN_model.fit(X_train, y_train, epochs=1000, validation_data=(X_test, y_test))
print(f"Final training loss for double layer and {node} nodes: {model.history['loss'][-1]}")
print(f"Final training accuracy for double layer and {node} nodes {model.history['accuracy'][-1]}")
print(f"Final validation loss for double layer and {node} nodes {model.history['val_loss'][-1]}")
print(f"Final validation accuracy for double layer and {node} nodes {model.history['val_accuracy'][-1]}")
Evaluation_summary=Evaluation_summary.append(pd.DataFrame({'NumOfHiddenLayers': [node],
                                                          'Train Loss':[model.history['loss'][-1]], 'Train Accuracy': [model.history['accuracy'][-1]],
                                                          'Validation Loss':[model.history['val_loss'][-1]], 'Validation Accuracy': [model.history['val_accuracy'][-1]]}))
plt.title(f'double layer and {node} node : Loss')
plt.plot(model.history['loss'], label='train')
plt.plot(model.history['val_loss'], label='validation')
plt.legend()
plt.show()
plt.title(f'double layer and {node} node: Accuracy')
plt.plot(model.history['accuracy'], label='train')
plt.plot(model.history['val_accuracy'], label='validation')
plt.legend()
plt.show()
```

```
>>>>>>>>>>>>>>> Model training with double hidden layer and [4, 4] node>>>>>
>>>>>>
```

Model: "sequential_33"

Layer (type)	Output Shape	Param #
<hr/>		
dense_87 (Dense)	(None, 4)	12
dense_88 (Dense)	(None, 4)	20
dense_89 (Dense)	(None, 1)	5
<hr/>		
Total params: 37		
Trainable params: 37		
Non-trainable params: 0		

None

Epoch 1/1000

```
1/11 [=>.....] - ETA: 5s - loss: 0.6896 - accuracy: 0.5000
Epoch 1: val_loss improved from inf to 0.69182, saving model to tmp/Weights-001--0.69182.hdf5
```

```
11/11 [=====] - 1s 24ms/step - loss: 0.6958 - accuracy: 0.5230 - val_loss: 0.6918 - val_accuracy: 0.5200 - lr: 0.0090
```

Epoch 2/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6984 - accuracy: 0.5625
Epoch 2: val_loss improved from 0.69182 to 0.68951, saving model to tmp/Weights-002--0.68951.hdf5
```

```
11/11 [=====] - 0s 10ms/step - loss: 0.6922 - accuracy: 0.5115 - val_loss: 0.6895 - val_accuracy: 0.5467 - lr: 0.0090
```

Epoch 3/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6962 - accuracy: 0.5312
Epoch 3: val_loss improved from 0.68951 to 0.68817, saving model to tmp/Weights-003--0.68817.hdf5
```

```
11/11 [=====] - 0s 9ms/step - loss: 0.6949 - accuracy: 0.4914 - val_loss: 0.6882 - val_accuracy: 0.5400 - lr: 0.0090
```

Epoch 4/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6906 - accuracy: 0.4375
Epoch 4: val_loss improved from 0.68817 to 0.68797, saving model to tmp/Weights-004--0.68797.hdf5
```

```
11/11 [=====] - 0s 8ms/step - loss: 0.6921 - accuracy: 0.5402 - val_loss: 0.6880 - val_accuracy: 0.5600 - lr: 0.0090
```

Epoch 5/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6972 - accuracy: 0.5312
Epoch 5: val_loss improved from 0.68797 to 0.68704, saving model to tmp/Weights-005--0.68704.hdf5
```

```
11/11 [=====] - 0s 8ms/step - loss: 0.6914 - accuracy: 0.5431 - val_loss: 0.6870 - val_accuracy: 0.5467 - lr: 0.0090
```

Epoch 6/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6864 - accuracy: 0.5625
Epoch 6: val_loss improved from 0.68704 to 0.68654, saving model to tmp/Weights-006--0.68654.hdf5
```

```
11/11 [=====] - 0s 8ms/step - loss: 0.6916 - accuracy: 0.5345 - val_loss: 0.6865 - val_accuracy: 0.5600 - lr: 0.0090
```

Epoch 7/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6741 - accuracy: 0.6562
Epoch 7: val_loss improved from 0.68654 to 0.68564, saving model to tmp/Weights-007--0.68564.hdf5
```

```
11/11 [=====] - 0s 8ms/step - loss: 0.6905 - accuracy: 0.5489 - val_loss: 0.6856 - val_accuracy: 0.5467 - lr: 0.0090
```

Epoch 8/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6820 - accuracy: 0.5938
Epoch 8: val_loss improved from 0.68564 to 0.68524, saving model to tmp/Weights-00
8--0.68524.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6903 - accuracy: 0.
5517 - val_loss: 0.6852 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 9/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6928 - accuracy: 0.5312
Epoch 9: val_loss improved from 0.68524 to 0.68452, saving model to tmp/Weights-00
9--0.68452.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6901 - accuracy: 0.
5546 - val_loss: 0.6845 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 10/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6788 - accuracy: 0.5938
Epoch 10: val_loss did not improve from 0.68452
11/11 [=====] - 0s 7ms/step - loss: 0.6912 - accuracy: 0.
5115 - val_loss: 0.6849 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 11/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6970 - accuracy: 0.4062
Epoch 11: val_loss improved from 0.68452 to 0.68341, saving model to tmp/Weights-0
11--0.68341.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6932 - accuracy: 0.
5000 - val_loss: 0.6834 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 12/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6861 - accuracy: 0.5625
Epoch 12: val_loss did not improve from 0.68341
11/11 [=====] - 0s 6ms/step - loss: 0.6900 - accuracy: 0.
5460 - val_loss: 0.6856 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 13/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6684 - accuracy: 0.6562
Epoch 13: val_loss did not improve from 0.68341
11/11 [=====] - 0s 6ms/step - loss: 0.6901 - accuracy: 0.
5000 - val_loss: 0.6849 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 14/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6940 - accuracy: 0.5000
Epoch 14: val_loss improved from 0.68341 to 0.68323, saving model to tmp/Weights-0
14--0.68323.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6891 - accuracy: 0.
5345 - val_loss: 0.6832 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 15/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6819 - accuracy: 0.5938
Epoch 15: val_loss improved from 0.68323 to 0.68115, saving model to tmp/Weights-0
15--0.68115.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6900 - accuracy: 0.
5402 - val_loss: 0.6811 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 16/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6613 - accuracy: 0.7188
Epoch 16: val_loss did not improve from 0.68115
11/11 [=====] - 0s 7ms/step - loss: 0.6890 - accuracy: 0.
5517 - val_loss: 0.6839 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 17/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6701 - accuracy: 0.6250
Epoch 17: val_loss did not improve from 0.68115
11/11 [=====] - 0s 6ms/step - loss: 0.6898 - accuracy: 0.
5000 - val_loss: 0.6823 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 18/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6734 - accuracy: 0.6875
Epoch 18: val_loss improved from 0.68115 to 0.68071, saving model to tmp/Weights-0
18--0.68071.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6885 - accuracy: 0.
5603 - val_loss: 0.6807 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 19/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6577 - accuracy: 0.6875
Epoch 19: val_loss did not improve from 0.68071
11/11 [=====] - 0s 6ms/step - loss: 0.6884 - accuracy: 0.
```

```
5661 - val_loss: 0.6820 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 20/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6740 - accuracy: 0.5938
Epoch 20: val_loss did not improve from 0.68071
11/11 [=====] - 0s 6ms/step - loss: 0.6888 - accuracy: 0.
5230 - val_loss: 0.6817 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 21/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6862 - accuracy: 0.5938
Epoch 21: val_loss improved from 0.68071 to 0.67958, saving model to tmp/Weights-0
21--0.67958.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6896 - accuracy: 0.
5690 - val_loss: 0.6796 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 22/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7001 - accuracy: 0.5000
Epoch 22: val_loss did not improve from 0.67958
11/11 [=====] - 0s 8ms/step - loss: 0.6872 - accuracy: 0.
5603 - val_loss: 0.6817 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 23/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6774 - accuracy: 0.5938
Epoch 23: val_loss did not improve from 0.67958
11/11 [=====] - 0s 7ms/step - loss: 0.6879 - accuracy: 0.
5489 - val_loss: 0.6802 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 24/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7117 - accuracy: 0.4688
Epoch 24: val_loss did not improve from 0.67958
11/11 [=====] - 0s 6ms/step - loss: 0.6885 - accuracy: 0.
5374 - val_loss: 0.6806 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 25/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7061 - accuracy: 0.4375
Epoch 25: val_loss did not improve from 0.67958
11/11 [=====] - 0s 8ms/step - loss: 0.6874 - accuracy: 0.
5517 - val_loss: 0.6801 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 26/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6975 - accuracy: 0.5312
Epoch 26: val_loss improved from 0.67958 to 0.67812, saving model to tmp/Weights-0
26--0.67812.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6876 - accuracy: 0.
5517 - val_loss: 0.6781 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 27/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6540 - accuracy: 0.7188
Epoch 27: val_loss did not improve from 0.67812
11/11 [=====] - 0s 7ms/step - loss: 0.6879 - accuracy: 0.
5603 - val_loss: 0.6808 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 28/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6877 - accuracy: 0.5938
Epoch 28: val_loss did not improve from 0.67812
11/11 [=====] - 0s 6ms/step - loss: 0.6879 - accuracy: 0.
5144 - val_loss: 0.6802 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 29/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6637 - accuracy: 0.6250
Epoch 29: val_loss improved from 0.67812 to 0.67723, saving model to tmp/Weights-0
29--0.67723.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6875 - accuracy: 0.
5661 - val_loss: 0.6772 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 30/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6880 - accuracy: 0.5625
Epoch 30: val_loss did not improve from 0.67723
11/11 [=====] - 0s 6ms/step - loss: 0.6872 - accuracy: 0.
5718 - val_loss: 0.6778 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 31/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6514 - accuracy: 0.6250
Epoch 31: val_loss did not improve from 0.67723
11/11 [=====] - 0s 6ms/step - loss: 0.6883 - accuracy: 0.
5259 - val_loss: 0.6791 - val_accuracy: 0.5400 - lr: 0.0090
```

```
Epoch 32/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7188 - accuracy: 0.3750
Epoch 32: val_loss did not improve from 0.67723
11/11 [=====] - 0s 6ms/step - loss: 0.6866 - accuracy: 0.
5402 - val_loss: 0.6774 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 33/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7258 - accuracy: 0.4062
Epoch 33: val_loss did not improve from 0.67723
11/11 [=====] - 0s 8ms/step - loss: 0.6869 - accuracy: 0.
5546 - val_loss: 0.6781 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 34/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6869 - accuracy: 0.5625
Epoch 34: val_loss did not improve from 0.67723
11/11 [=====] - 0s 8ms/step - loss: 0.6870 - accuracy: 0.
5144 - val_loss: 0.6787 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 35/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6895 - accuracy: 0.5000
Epoch 35: val_loss did not improve from 0.67723
11/11 [=====] - 0s 7ms/step - loss: 0.6875 - accuracy: 0.
5546 - val_loss: 0.6787 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 36/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6967 - accuracy: 0.6562
Epoch 36: val_loss did not improve from 0.67723
11/11 [=====] - 0s 7ms/step - loss: 0.6863 - accuracy: 0.
5316 - val_loss: 0.6791 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 37/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6967 - accuracy: 0.5000
Epoch 37: val_loss did not improve from 0.67723
11/11 [=====] - 0s 7ms/step - loss: 0.6862 - accuracy: 0.
5603 - val_loss: 0.6778 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 38/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6706 - accuracy: 0.6562
Epoch 38: val_loss did not improve from 0.67723
11/11 [=====] - 0s 7ms/step - loss: 0.6879 - accuracy: 0.
5201 - val_loss: 0.6801 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 39/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6751 - accuracy: 0.5625
Epoch 39: val_loss improved from 0.67723 to 0.67646, saving model to tmp/Weights-0
39--0.67646.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6877 - accuracy: 0.
5287 - val_loss: 0.6765 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 40/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7345 - accuracy: 0.2812
Epoch 40: val_loss did not improve from 0.67646
11/11 [=====] - 0s 6ms/step - loss: 0.6863 - accuracy: 0.
5230 - val_loss: 0.6801 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 41/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6707 - accuracy: 0.5312
Epoch 41: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6853 - accuracy: 0.
5287 - val_loss: 0.6780 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 42/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6638 - accuracy: 0.6250
Epoch 42: val_loss did not improve from 0.67646
11/11 [=====] - 0s 8ms/step - loss: 0.6857 - accuracy: 0.
5287 - val_loss: 0.6792 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 43/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6703 - accuracy: 0.5938
Epoch 43: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6848 - accuracy: 0.
5460 - val_loss: 0.6783 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 44/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6497 - accuracy: 0.6875
Epoch 44: val_loss did not improve from 0.67646
```

```
11/11 [=====] - 0s 6ms/step - loss: 0.6845 - accuracy: 0.  
5575 - val_loss: 0.6783 - val_accuracy: 0.5400 - lr: 0.0090  
Epoch 45/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6479 - accuracy: 0.6250  
Epoch 45: val_loss did not improve from 0.67646  
11/11 [=====] - 0s 6ms/step - loss: 0.6847 - accuracy: 0.  
5316 - val_loss: 0.6795 - val_accuracy: 0.5200 - lr: 0.0090  
Epoch 46/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6807 - accuracy: 0.5000  
Epoch 46: val_loss did not improve from 0.67646  
11/11 [=====] - 0s 6ms/step - loss: 0.6848 - accuracy: 0.  
5115 - val_loss: 0.6783 - val_accuracy: 0.5333 - lr: 0.0090  
Epoch 47/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6837 - accuracy: 0.5312  
Epoch 47: val_loss did not improve from 0.67646  
11/11 [=====] - 0s 7ms/step - loss: 0.6869 - accuracy: 0.  
5575 - val_loss: 0.6769 - val_accuracy: 0.6000 - lr: 0.0090  
Epoch 48/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7411 - accuracy: 0.4688  
Epoch 48: val_loss did not improve from 0.67646  
11/11 [=====] - 0s 7ms/step - loss: 0.6864 - accuracy: 0.  
5460 - val_loss: 0.6818 - val_accuracy: 0.5200 - lr: 0.0090  
Epoch 49/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7252 - accuracy: 0.3750  
Epoch 49: val_loss did not improve from 0.67646  
11/11 [=====] - 0s 6ms/step - loss: 0.6869 - accuracy: 0.  
5316 - val_loss: 0.6782 - val_accuracy: 0.5667 - lr: 0.0090  
Epoch 50/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7090 - accuracy: 0.5000  
Epoch 50: val_loss did not improve from 0.67646  
11/11 [=====] - 0s 9ms/step - loss: 0.6859 - accuracy: 0.  
5374 - val_loss: 0.6807 - val_accuracy: 0.5200 - lr: 0.0090  
Epoch 51/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6926 - accuracy: 0.5312  
Epoch 51: val_loss did not improve from 0.67646  
11/11 [=====] - 0s 7ms/step - loss: 0.6843 - accuracy: 0.  
5489 - val_loss: 0.6776 - val_accuracy: 0.5667 - lr: 0.0090  
Epoch 52/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6913 - accuracy: 0.5312  
Epoch 52: val_loss did not improve from 0.67646  
11/11 [=====] - 0s 7ms/step - loss: 0.6877 - accuracy: 0.  
5230 - val_loss: 0.6807 - val_accuracy: 0.5200 - lr: 0.0090  
Epoch 53/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7144 - accuracy: 0.3750  
Epoch 53: val_loss did not improve from 0.67646  
11/11 [=====] - 0s 6ms/step - loss: 0.6865 - accuracy: 0.  
5718 - val_loss: 0.6771 - val_accuracy: 0.5733 - lr: 0.0090  
Epoch 54/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6564 - accuracy: 0.7812  
Epoch 54: val_loss did not improve from 0.67646  
11/11 [=====] - 0s 7ms/step - loss: 0.6857 - accuracy: 0.  
5517 - val_loss: 0.6818 - val_accuracy: 0.5400 - lr: 0.0090  
Epoch 55/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6975 - accuracy: 0.5000  
Epoch 55: val_loss did not improve from 0.67646  
11/11 [=====] - 0s 6ms/step - loss: 0.6854 - accuracy: 0.  
5374 - val_loss: 0.6792 - val_accuracy: 0.5200 - lr: 0.0090  
Epoch 56/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6894 - accuracy: 0.5625  
Epoch 56: val_loss did not improve from 0.67646  
11/11 [=====] - 0s 7ms/step - loss: 0.6853 - accuracy: 0.  
5661 - val_loss: 0.6782 - val_accuracy: 0.5533 - lr: 0.0090  
Epoch 57/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6868 - accuracy: 0.5938
```

```
Epoch 57: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6848 - accuracy: 0.
5517 - val_loss: 0.6805 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 58/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7088 - accuracy: 0.4375
Epoch 58: val_loss did not improve from 0.67646
11/11 [=====] - 0s 6ms/step - loss: 0.6848 - accuracy: 0.
5259 - val_loss: 0.6781 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 59/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6963 - accuracy: 0.4062
Epoch 59: val_loss did not improve from 0.67646
11/11 [=====] - 0s 6ms/step - loss: 0.6854 - accuracy: 0.
5661 - val_loss: 0.6782 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 60/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6985 - accuracy: 0.5000
Epoch 60: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6834 - accuracy: 0.
5431 - val_loss: 0.6803 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 61/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6970 - accuracy: 0.4375
Epoch 61: val_loss did not improve from 0.67646
11/11 [=====] - 0s 6ms/step - loss: 0.6840 - accuracy: 0.
5230 - val_loss: 0.6787 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 62/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6835 - accuracy: 0.5312
Epoch 62: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6844 - accuracy: 0.
5603 - val_loss: 0.6782 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 63/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7022 - accuracy: 0.5312
Epoch 63: val_loss did not improve from 0.67646
11/11 [=====] - 0s 8ms/step - loss: 0.6845 - accuracy: 0.
5259 - val_loss: 0.6786 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 64/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6833 - accuracy: 0.4688
Epoch 64: val_loss did not improve from 0.67646
11/11 [=====] - 0s 6ms/step - loss: 0.6836 - accuracy: 0.
5575 - val_loss: 0.6782 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 65/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6933 - accuracy: 0.4375
Epoch 65: val_loss did not improve from 0.67646
11/11 [=====] - 0s 6ms/step - loss: 0.6839 - accuracy: 0.
5603 - val_loss: 0.6810 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 66/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7084 - accuracy: 0.4375
Epoch 66: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6873 - accuracy: 0.
5316 - val_loss: 0.6793 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 67/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6681 - accuracy: 0.5312
Epoch 67: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6838 - accuracy: 0.
5287 - val_loss: 0.6805 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 68/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6933 - accuracy: 0.4688
Epoch 68: val_loss did not improve from 0.67646
11/11 [=====] - 0s 8ms/step - loss: 0.6836 - accuracy: 0.
5402 - val_loss: 0.6773 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 69/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6898 - accuracy: 0.5625
Epoch 69: val_loss did not improve from 0.67646
11/11 [=====] - 0s 6ms/step - loss: 0.6844 - accuracy: 0.
5259 - val_loss: 0.6783 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 70/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6911 - accuracy: 0.4688
Epoch 70: val_loss did not improve from 0.67646
11/11 [=====] - 0s 6ms/step - loss: 0.6829 - accuracy: 0.
5172 - val_loss: 0.6792 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 71/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6923 - accuracy: 0.6875
Epoch 71: val_loss did not improve from 0.67646
11/11 [=====] - 0s 6ms/step - loss: 0.6847 - accuracy: 0.
5632 - val_loss: 0.6800 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 72/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6981 - accuracy: 0.5312
Epoch 72: val_loss did not improve from 0.67646
11/11 [=====] - 0s 8ms/step - loss: 0.6827 - accuracy: 0.
5345 - val_loss: 0.6793 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 73/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6989 - accuracy: 0.4375
Epoch 73: val_loss did not improve from 0.67646
11/11 [=====] - 0s 6ms/step - loss: 0.6838 - accuracy: 0.
5546 - val_loss: 0.6799 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 74/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6479 - accuracy: 0.6562
Epoch 74: val_loss did not improve from 0.67646
11/11 [=====] - 0s 8ms/step - loss: 0.6846 - accuracy: 0.
5489 - val_loss: 0.6790 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 75/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6692 - accuracy: 0.5625
Epoch 75: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6846 - accuracy: 0.
5259 - val_loss: 0.6814 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 76/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6763 - accuracy: 0.5625
Epoch 76: val_loss did not improve from 0.67646
11/11 [=====] - 0s 6ms/step - loss: 0.6840 - accuracy: 0.
5402 - val_loss: 0.6797 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 77/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6838 - accuracy: 0.4688
Epoch 77: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6828 - accuracy: 0.
5489 - val_loss: 0.6814 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 78/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7125 - accuracy: 0.5000
Epoch 78: val_loss did not improve from 0.67646
11/11 [=====] - 0s 6ms/step - loss: 0.6840 - accuracy: 0.
5402 - val_loss: 0.6787 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 79/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7127 - accuracy: 0.5312
Epoch 79: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6838 - accuracy: 0.
5287 - val_loss: 0.6807 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 80/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6848 - accuracy: 0.5312
Epoch 80: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6832 - accuracy: 0.
5632 - val_loss: 0.6800 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 81/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7085 - accuracy: 0.5625
Epoch 81: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6845 - accuracy: 0.
5546 - val_loss: 0.6806 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 82/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6933 - accuracy: 0.5000
Epoch 82: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6829 - accuracy: 0.
5603 - val_loss: 0.6796 - val_accuracy: 0.5200 - lr: 0.0090
```

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Epoch 83/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6534 - accuracy: 0.6875
Epoch 83: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6829 - accuracy: 0.
5316 - val_loss: 0.6800 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 84/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6890 - accuracy: 0.5312
Epoch 84: val_loss did not improve from 0.67646
11/11 [=====] - 0s 6ms/step - loss: 0.6822 - accuracy: 0.
5259 - val_loss: 0.6793 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 85/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6718 - accuracy: 0.5938
Epoch 85: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6840 - accuracy: 0.
5862 - val_loss: 0.6801 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 86/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6563 - accuracy: 0.6875
Epoch 86: val_loss did not improve from 0.67646
11/11 [=====] - 0s 8ms/step - loss: 0.6828 - accuracy: 0.
5489 - val_loss: 0.6804 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 87/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6892 - accuracy: 0.4688
Epoch 87: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6843 - accuracy: 0.
5259 - val_loss: 0.6802 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 88/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6672 - accuracy: 0.6250
Epoch 88: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6824 - accuracy: 0.
5632 - val_loss: 0.6801 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 89/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6917 - accuracy: 0.5312
Epoch 89: val_loss did not improve from 0.67646

Epoch 89: ReduceLROnPlateau reducing learning rate to 0.006299999728798866.
11/11 [=====] - 0s 7ms/step - loss: 0.6869 - accuracy: 0.
5259 - val_loss: 0.6835 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 90/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6527 - accuracy: 0.6875
Epoch 90: val_loss did not improve from 0.67646
11/11 [=====] - 0s 8ms/step - loss: 0.6868 - accuracy: 0.
5517 - val_loss: 0.6799 - val_accuracy: 0.5533 - lr: 0.0063
Epoch 91/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6682 - accuracy: 0.5312
Epoch 91: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6826 - accuracy: 0.
5690 - val_loss: 0.6803 - val_accuracy: 0.5133 - lr: 0.0063
Epoch 92/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6540 - accuracy: 0.5938
Epoch 92: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6828 - accuracy: 0.
5259 - val_loss: 0.6810 - val_accuracy: 0.5200 - lr: 0.0063
Epoch 93/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7085 - accuracy: 0.4375
Epoch 93: val_loss did not improve from 0.67646
11/11 [=====] - 0s 11ms/step - loss: 0.6828 - accuracy: 0.
5345 - val_loss: 0.6806 - val_accuracy: 0.5200 - lr: 0.0063
Epoch 94/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7131 - accuracy: 0.5625
Epoch 94: val_loss did not improve from 0.67646
11/11 [=====] - 0s 8ms/step - loss: 0.6844 - accuracy: 0.
5718 - val_loss: 0.6794 - val_accuracy: 0.5333 - lr: 0.0063
Epoch 95/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6750 - accuracy: 0.6562
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Epoch 95: val_loss did not improve from 0.67646
11/11 [=====] - 0s 6ms/step - loss: 0.6821 - accuracy: 0.
5517 - val_loss: 0.6810 - val_accuracy: 0.5267 - lr: 0.0063
Epoch 96/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6604 - accuracy: 0.6250
Epoch 96: val_loss did not improve from 0.67646
11/11 [=====] - 0s 6ms/step - loss: 0.6837 - accuracy: 0.
5259 - val_loss: 0.6809 - val_accuracy: 0.5067 - lr: 0.0063
Epoch 97/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7093 - accuracy: 0.5000
Epoch 97: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6817 - accuracy: 0.
5460 - val_loss: 0.6806 - val_accuracy: 0.5133 - lr: 0.0063
Epoch 98/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6950 - accuracy: 0.5000
Epoch 98: val_loss did not improve from 0.67646
11/11 [=====] - 0s 8ms/step - loss: 0.6824 - accuracy: 0.
5546 - val_loss: 0.6796 - val_accuracy: 0.5267 - lr: 0.0063
Epoch 99/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6722 - accuracy: 0.5312
Epoch 99: val_loss did not improve from 0.67646
11/11 [=====] - 0s 6ms/step - loss: 0.6827 - accuracy: 0.
5230 - val_loss: 0.6816 - val_accuracy: 0.5400 - lr: 0.0063
Epoch 100/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7093 - accuracy: 0.3750
Epoch 100: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6810 - accuracy: 0.
5345 - val_loss: 0.6801 - val_accuracy: 0.5400 - lr: 0.0063
Epoch 101/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6458 - accuracy: 0.6562
Epoch 101: val_loss did not improve from 0.67646
11/11 [=====] - 0s 6ms/step - loss: 0.6840 - accuracy: 0.
5776 - val_loss: 0.6791 - val_accuracy: 0.5467 - lr: 0.0063
Epoch 102/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6740 - accuracy: 0.5625
Epoch 102: val_loss did not improve from 0.67646
11/11 [=====] - 0s 6ms/step - loss: 0.6819 - accuracy: 0.
5690 - val_loss: 0.6811 - val_accuracy: 0.5067 - lr: 0.0063
Epoch 103/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7144 - accuracy: 0.4688
Epoch 103: val_loss did not improve from 0.67646
11/11 [=====] - 0s 6ms/step - loss: 0.6832 - accuracy: 0.
5259 - val_loss: 0.6814 - val_accuracy: 0.5200 - lr: 0.0063
Epoch 104/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6576 - accuracy: 0.6562
Epoch 104: val_loss did not improve from 0.67646
11/11 [=====] - 0s 8ms/step - loss: 0.6819 - accuracy: 0.
5690 - val_loss: 0.6801 - val_accuracy: 0.5400 - lr: 0.0063
Epoch 105/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6605 - accuracy: 0.5312
Epoch 105: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6826 - accuracy: 0.
5603 - val_loss: 0.6817 - val_accuracy: 0.5200 - lr: 0.0063
Epoch 106/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7188 - accuracy: 0.4375
Epoch 106: val_loss did not improve from 0.67646
11/11 [=====] - 0s 8ms/step - loss: 0.6840 - accuracy: 0.
5374 - val_loss: 0.6804 - val_accuracy: 0.5133 - lr: 0.0063
Epoch 107/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6960 - accuracy: 0.4688
Epoch 107: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6847 - accuracy: 0.
5460 - val_loss: 0.6799 - val_accuracy: 0.5333 - lr: 0.0063
Epoch 108/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6357 - accuracy: 0.6875
Epoch 108: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6819 - accuracy: 0.
5661 - val_loss: 0.6824 - val_accuracy: 0.5200 - lr: 0.0063
Epoch 109/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6369 - accuracy: 0.7188
Epoch 109: val_loss did not improve from 0.67646
11/11 [=====] - 0s 8ms/step - loss: 0.6834 - accuracy: 0.
5517 - val_loss: 0.6815 - val_accuracy: 0.5333 - lr: 0.0063
Epoch 110/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7059 - accuracy: 0.5000
Epoch 110: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6814 - accuracy: 0.
5489 - val_loss: 0.6811 - val_accuracy: 0.5200 - lr: 0.0063
Epoch 111/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6835 - accuracy: 0.5625
Epoch 111: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6821 - accuracy: 0.
5345 - val_loss: 0.6809 - val_accuracy: 0.5200 - lr: 0.0063
Epoch 112/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6421 - accuracy: 0.7188
Epoch 112: val_loss did not improve from 0.67646
11/11 [=====] - 0s 6ms/step - loss: 0.6819 - accuracy: 0.
5230 - val_loss: 0.6810 - val_accuracy: 0.5067 - lr: 0.0063
Epoch 113/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7006 - accuracy: 0.4688
Epoch 113: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6821 - accuracy: 0.
5690 - val_loss: 0.6798 - val_accuracy: 0.5467 - lr: 0.0063
Epoch 114/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7021 - accuracy: 0.3750
Epoch 114: val_loss did not improve from 0.67646
11/11 [=====] - 0s 6ms/step - loss: 0.6812 - accuracy: 0.
5718 - val_loss: 0.6812 - val_accuracy: 0.5067 - lr: 0.0063
Epoch 115/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6399 - accuracy: 0.7500
Epoch 115: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6817 - accuracy: 0.
5345 - val_loss: 0.6811 - val_accuracy: 0.5133 - lr: 0.0063
Epoch 116/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6672 - accuracy: 0.6875
Epoch 116: val_loss did not improve from 0.67646
11/11 [=====] - 0s 6ms/step - loss: 0.6815 - accuracy: 0.
5374 - val_loss: 0.6803 - val_accuracy: 0.5333 - lr: 0.0063
Epoch 117/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7002 - accuracy: 0.5312
Epoch 117: val_loss did not improve from 0.67646
11/11 [=====] - 0s 6ms/step - loss: 0.6830 - accuracy: 0.
5805 - val_loss: 0.6809 - val_accuracy: 0.5200 - lr: 0.0063
Epoch 118/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6487 - accuracy: 0.6562
Epoch 118: val_loss did not improve from 0.67646
11/11 [=====] - 0s 8ms/step - loss: 0.6814 - accuracy: 0.
5402 - val_loss: 0.6822 - val_accuracy: 0.5200 - lr: 0.0063
Epoch 119/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6933 - accuracy: 0.5312
Epoch 119: val_loss did not improve from 0.67646
11/11 [=====] - 0s 8ms/step - loss: 0.6816 - accuracy: 0.
5431 - val_loss: 0.6807 - val_accuracy: 0.5267 - lr: 0.0063
Epoch 120/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6786 - accuracy: 0.6250
Epoch 120: val_loss did not improve from 0.67646
11/11 [=====] - 0s 8ms/step - loss: 0.6823 - accuracy: 0.
5632 - val_loss: 0.6815 - val_accuracy: 0.5333 - lr: 0.0063
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Epoch 121/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6777 - accuracy: 0.4688
Epoch 121: val_loss did not improve from 0.67646
11/11 [=====] - 0s 8ms/step - loss: 0.6803 - accuracy: 0.
5460 - val_loss: 0.6816 - val_accuracy: 0.5200 - lr: 0.0063
Epoch 122/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6721 - accuracy: 0.5312
Epoch 122: val_loss did not improve from 0.67646
11/11 [=====] - 0s 9ms/step - loss: 0.6811 - accuracy: 0.
5489 - val_loss: 0.6804 - val_accuracy: 0.5400 - lr: 0.0063
Epoch 123/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6874 - accuracy: 0.5625
Epoch 123: val_loss did not improve from 0.67646
11/11 [=====] - 0s 8ms/step - loss: 0.6810 - accuracy: 0.
5690 - val_loss: 0.6809 - val_accuracy: 0.5267 - lr: 0.0063
Epoch 124/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6786 - accuracy: 0.5938
Epoch 124: val_loss did not improve from 0.67646
11/11 [=====] - 0s 8ms/step - loss: 0.6806 - accuracy: 0.
5632 - val_loss: 0.6806 - val_accuracy: 0.5200 - lr: 0.0063
Epoch 125/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6698 - accuracy: 0.6250
Epoch 125: val_loss did not improve from 0.67646
11/11 [=====] - 0s 6ms/step - loss: 0.6814 - accuracy: 0.
5603 - val_loss: 0.6815 - val_accuracy: 0.5133 - lr: 0.0063
Epoch 126/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6681 - accuracy: 0.5625
Epoch 126: val_loss did not improve from 0.67646
11/11 [=====] - 0s 6ms/step - loss: 0.6823 - accuracy: 0.
5776 - val_loss: 0.6804 - val_accuracy: 0.5400 - lr: 0.0063
Epoch 127/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6659 - accuracy: 0.5625
Epoch 127: val_loss did not improve from 0.67646
11/11 [=====] - 0s 6ms/step - loss: 0.6821 - accuracy: 0.
5316 - val_loss: 0.6833 - val_accuracy: 0.5200 - lr: 0.0063
Epoch 128/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6937 - accuracy: 0.4375
Epoch 128: val_loss did not improve from 0.67646
11/11 [=====] - 0s 8ms/step - loss: 0.6819 - accuracy: 0.
5489 - val_loss: 0.6820 - val_accuracy: 0.5200 - lr: 0.0063
Epoch 129/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6592 - accuracy: 0.7188
Epoch 129: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6821 - accuracy: 0.
5718 - val_loss: 0.6814 - val_accuracy: 0.5333 - lr: 0.0063
Epoch 130/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7125 - accuracy: 0.4062
Epoch 130: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6814 - accuracy: 0.
5546 - val_loss: 0.6809 - val_accuracy: 0.5200 - lr: 0.0063
Epoch 131/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6749 - accuracy: 0.5625
Epoch 131: val_loss did not improve from 0.67646
11/11 [=====] - 0s 6ms/step - loss: 0.6813 - accuracy: 0.
5345 - val_loss: 0.6807 - val_accuracy: 0.5200 - lr: 0.0063
Epoch 132/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6784 - accuracy: 0.5312
Epoch 132: val_loss did not improve from 0.67646
11/11 [=====] - 0s 6ms/step - loss: 0.6827 - accuracy: 0.
5718 - val_loss: 0.6809 - val_accuracy: 0.5533 - lr: 0.0063
Epoch 133/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6819 - accuracy: 0.5625
Epoch 133: val_loss did not improve from 0.67646
11/11 [=====] - 0s 8ms/step - loss: 0.6806 - accuracy: 0.
```

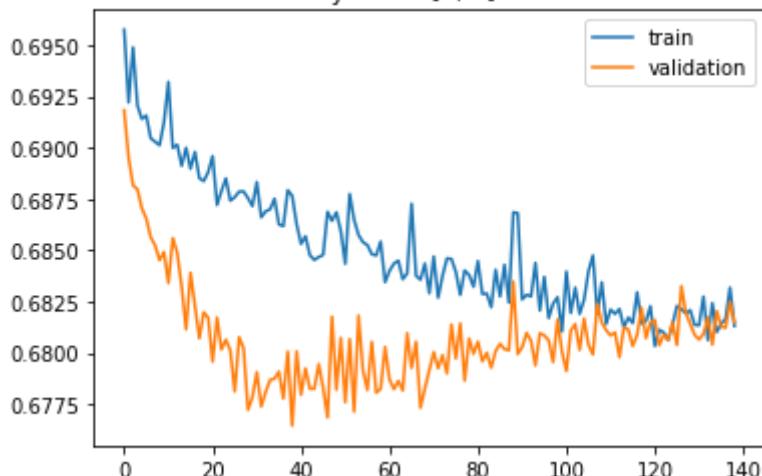
```

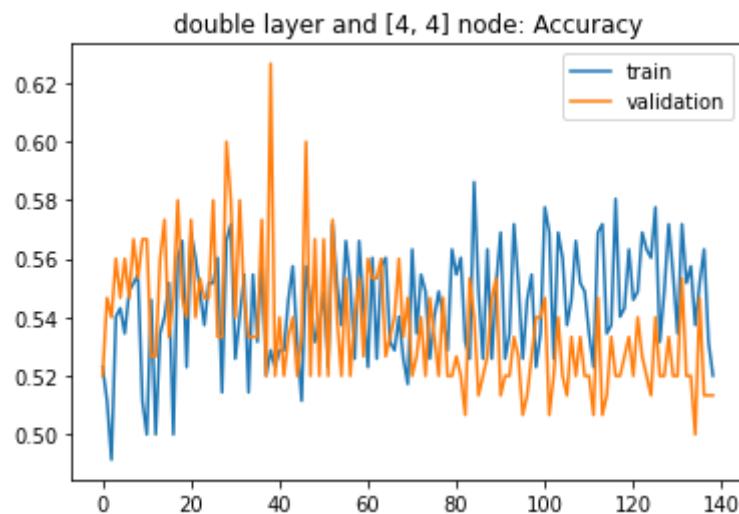
5517 - val_loss: 0.6817 - val_accuracy: 0.5200 - lr: 0.0063
Epoch 134/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6900 - accuracy: 0.5625
Epoch 134: val_loss did not improve from 0.67646
11/11 [=====] - 0s 8ms/step - loss: 0.6824 - accuracy: 0.
5575 - val_loss: 0.6804 - val_accuracy: 0.5200 - lr: 0.0063
Epoch 135/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6652 - accuracy: 0.5000
Epoch 135: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6810 - accuracy: 0.
5374 - val_loss: 0.6820 - val_accuracy: 0.5000 - lr: 0.0063
Epoch 136/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6908 - accuracy: 0.4688
Epoch 136: val_loss did not improve from 0.67646
11/11 [=====] - 0s 6ms/step - loss: 0.6814 - accuracy: 0.
5517 - val_loss: 0.6813 - val_accuracy: 0.5467 - lr: 0.0063
Epoch 137/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6658 - accuracy: 0.6562
Epoch 137: val_loss did not improve from 0.67646
11/11 [=====] - 0s 6ms/step - loss: 0.6817 - accuracy: 0.
5632 - val_loss: 0.6812 - val_accuracy: 0.5133 - lr: 0.0063
Epoch 138/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6865 - accuracy: 0.5312
Epoch 138: val_loss did not improve from 0.67646
11/11 [=====] - 0s 7ms/step - loss: 0.6832 - accuracy: 0.
5316 - val_loss: 0.6825 - val_accuracy: 0.5133 - lr: 0.0063
Epoch 139/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7140 - accuracy: 0.4375
Epoch 139: val_loss did not improve from 0.67646

Epoch 139: ReduceLROnPlateau reducing learning rate to 0.004409999679774046.
11/11 [=====] - 0s 8ms/step - loss: 0.6813 - accuracy: 0.
5201 - val_loss: 0.6815 - val_accuracy: 0.5133 - lr: 0.0063
Epoch 139: early stopping
Final training loss for double layer and [4, 4] nodes: 0.6813134551048279
Final training accuracy for double layer and [4, 4] nodes 0.5201149582862854
Final validation loss for double layer and [4, 4] nodes 0.6814983487129211
Final validation accuracy for double layer and [4, 4] nodes 0.5133333206176758

```

double layer and [4, 4] node : Loss





```
>>>>>>>>>>>>>>> Model training with double hidden layer and [4, 8] node>>>>>
>>>>>>
```

Model: "sequential_34"

Layer (type)	Output Shape	Param #
<hr/>		
dense_90 (Dense)	(None, 4)	12
dense_91 (Dense)	(None, 8)	40
dense_92 (Dense)	(None, 1)	9
<hr/>		
Total params: 61		
Trainable params: 61		
Non-trainable params: 0		

None
Epoch 1/1000
1/11 [=>.....] - ETA: 5s - loss: 0.6967 - accuracy: 0.5625
Epoch 1: val_loss improved from inf to 0.70534, saving model to tmp/Weights-001--0.70534.hdf5
11/11 [=====] - 1s 26ms/step - loss: 0.7043 - accuracy: 0.4799 - val_loss: 0.7053 - val_accuracy: 0.4733 - lr: 0.0090
Epoch 2/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6838 - accuracy: 0.7500
Epoch 2: val_loss improved from 0.70534 to 0.70171, saving model to tmp/Weights-002--0.70171.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6999 - accuracy: 0.4598 - val_loss: 0.7017 - val_accuracy: 0.4733 - lr: 0.0090
Epoch 3/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6868 - accuracy: 0.5938
Epoch 3: val_loss improved from 0.70171 to 0.69948, saving model to tmp/Weights-003--0.69948.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6989 - accuracy: 0.4655 - val_loss: 0.6995 - val_accuracy: 0.4600 - lr: 0.0090
Epoch 4/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6982 - accuracy: 0.4375
Epoch 4: val_loss improved from 0.69948 to 0.69651, saving model to tmp/Weights-004--0.69651.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6968 - accuracy: 0.4569 - val_loss: 0.6965 - val_accuracy: 0.4400 - lr: 0.0090
Epoch 5/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6963 - accuracy: 0.4375
Epoch 5: val_loss improved from 0.69651 to 0.69591, saving model to tmp/Weights-005--0.69591.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6946 - accuracy: 0.4626 - val_loss: 0.6959 - val_accuracy: 0.4800 - lr: 0.0090
Epoch 6/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6938 - accuracy: 0.5312
Epoch 6: val_loss improved from 0.69591 to 0.69564, saving model to tmp/Weights-006--0.69564.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6951 - accuracy: 0.5230 - val_loss: 0.6956 - val_accuracy: 0.4867 - lr: 0.0090
Epoch 7/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6919 - accuracy: 0.5625
Epoch 7: val_loss improved from 0.69564 to 0.69465, saving model to tmp/Weights-007--0.69465.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6942 - accuracy: 0.4856 - val_loss: 0.6946 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 8/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6910 - accuracy: 0.5938
Epoch 8: val_loss improved from 0.69465 to 0.69454, saving model to tmp/Weights-00
8--0.69454.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6940 - accuracy: 0.
5086 - val_loss: 0.6945 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 9/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6930 - accuracy: 0.5312
Epoch 9: val_loss improved from 0.69454 to 0.69431, saving model to tmp/Weights-00
9--0.69431.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6940 - accuracy: 0.
5029 - val_loss: 0.6943 - val_accuracy: 0.4933 - lr: 0.0090
Epoch 10/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6925 - accuracy: 0.4688
Epoch 10: val_loss did not improve from 0.69431
11/11 [=====] - 0s 6ms/step - loss: 0.6942 - accuracy: 0.
5115 - val_loss: 0.6943 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 11/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7017 - accuracy: 0.2812
Epoch 11: val_loss improved from 0.69431 to 0.69368, saving model to tmp/Weights-0
11--0.69368.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6952 - accuracy: 0.
4713 - val_loss: 0.6937 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 12/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6915 - accuracy: 0.5625
Epoch 12: val_loss improved from 0.69368 to 0.69268, saving model to tmp/Weights-0
12--0.69268.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6943 - accuracy: 0.
5144 - val_loss: 0.6927 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 13/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6882 - accuracy: 0.6562
Epoch 13: val_loss improved from 0.69268 to 0.69161, saving model to tmp/Weights-0
13--0.69161.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6938 - accuracy: 0.
5402 - val_loss: 0.6916 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 14/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6981 - accuracy: 0.4062
Epoch 14: val_loss did not improve from 0.69161
11/11 [=====] - 0s 6ms/step - loss: 0.6942 - accuracy: 0.
5259 - val_loss: 0.6919 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 15/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6912 - accuracy: 0.6562
Epoch 15: val_loss did not improve from 0.69161
11/11 [=====] - 0s 7ms/step - loss: 0.6940 - accuracy: 0.
5086 - val_loss: 0.6926 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 16/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6863 - accuracy: 0.7188
Epoch 16: val_loss did not improve from 0.69161
11/11 [=====] - 0s 7ms/step - loss: 0.6936 - accuracy: 0.
5115 - val_loss: 0.6921 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 17/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6882 - accuracy: 0.6562
Epoch 17: val_loss improved from 0.69161 to 0.69128, saving model to tmp/Weights-0
17--0.69128.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6947 - accuracy: 0.
5029 - val_loss: 0.6913 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 18/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6841 - accuracy: 0.5938
Epoch 18: val_loss did not improve from 0.69128
11/11 [=====] - 0s 6ms/step - loss: 0.6936 - accuracy: 0.
5489 - val_loss: 0.6918 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 19/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6850 - accuracy: 0.6250
Epoch 19: val_loss did not improve from 0.69128
11/11 [=====] - 0s 7ms/step - loss: 0.6935 - accuracy: 0.
```

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5316 - val_loss: 0.6918 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 20/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6907 - accuracy: 0.6562
Epoch 20: val_loss did not improve from 0.69128
11/11 [=====] - 0s 7ms/step - loss: 0.6940 - accuracy: 0.
5144 - val_loss: 0.6918 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 21/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6971 - accuracy: 0.4688
Epoch 21: val_loss improved from 0.69128 to 0.69122, saving model to tmp/Weights-0
21--0.69122.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6934 - accuracy: 0.
5316 - val_loss: 0.6912 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 22/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6942 - accuracy: 0.5312
Epoch 22: val_loss did not improve from 0.69122
11/11 [=====] - 0s 7ms/step - loss: 0.6927 - accuracy: 0.
5201 - val_loss: 0.6915 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 23/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6891 - accuracy: 0.5938
Epoch 23: val_loss improved from 0.69122 to 0.69119, saving model to tmp/Weights-0
23--0.69119.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6923 - accuracy: 0.
5632 - val_loss: 0.6912 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 24/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6952 - accuracy: 0.5000
Epoch 24: val_loss improved from 0.69119 to 0.69026, saving model to tmp/Weights-0
24--0.69026.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6918 - accuracy: 0.
5661 - val_loss: 0.6903 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 25/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6953 - accuracy: 0.4375
Epoch 25: val_loss improved from 0.69026 to 0.68901, saving model to tmp/Weights-0
25--0.68901.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6918 - accuracy: 0.
5431 - val_loss: 0.6890 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 26/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6984 - accuracy: 0.5000
Epoch 26: val_loss improved from 0.68901 to 0.68896, saving model to tmp/Weights-0
26--0.68896.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6915 - accuracy: 0.
5172 - val_loss: 0.6890 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 27/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6856 - accuracy: 0.6562
Epoch 27: val_loss improved from 0.68896 to 0.68840, saving model to tmp/Weights-0
27--0.68840.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6913 - accuracy: 0.
5374 - val_loss: 0.6884 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 28/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6974 - accuracy: 0.5312
Epoch 28: val_loss improved from 0.68840 to 0.68695, saving model to tmp/Weights-0
28--0.68695.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6908 - accuracy: 0.
5661 - val_loss: 0.6869 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 29/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6817 - accuracy: 0.6250
Epoch 29: val_loss did not improve from 0.68695
11/11 [=====] - 0s 6ms/step - loss: 0.6903 - accuracy: 0.
5805 - val_loss: 0.6881 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 30/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6836 - accuracy: 0.5938
Epoch 30: val_loss improved from 0.68695 to 0.68568, saving model to tmp/Weights-0
30--0.68568.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6896 - accuracy: 0.
5718 - val_loss: 0.6857 - val_accuracy: 0.5733 - lr: 0.0090
```

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Epoch 31/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6970 - accuracy: 0.6250
Epoch 31: val_loss did not improve from 0.68568
11/11 [=====] - 0s 7ms/step - loss: 0.6904 - accuracy: 0.
5575 - val_loss: 0.6875 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 32/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7036 - accuracy: 0.4688
Epoch 32: val_loss improved from 0.68568 to 0.68533, saving model to tmp/Weights-0
32--0.68533.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6906 - accuracy: 0.
5661 - val_loss: 0.6853 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 33/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6915 - accuracy: 0.4375
Epoch 33: val_loss did not improve from 0.68533
11/11 [=====] - 0s 8ms/step - loss: 0.6904 - accuracy: 0.
5575 - val_loss: 0.6872 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 34/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6868 - accuracy: 0.5000
Epoch 34: val_loss did not improve from 0.68533
11/11 [=====] - 0s 7ms/step - loss: 0.6893 - accuracy: 0.
5776 - val_loss: 0.6869 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 35/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6860 - accuracy: 0.5625
Epoch 35: val_loss improved from 0.68533 to 0.68465, saving model to tmp/Weights-0
35--0.68465.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6901 - accuracy: 0.
5489 - val_loss: 0.6846 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 36/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7146 - accuracy: 0.5938
Epoch 36: val_loss did not improve from 0.68465
11/11 [=====] - 0s 7ms/step - loss: 0.6897 - accuracy: 0.
5690 - val_loss: 0.6867 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 37/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6866 - accuracy: 0.6250
Epoch 37: val_loss did not improve from 0.68465
11/11 [=====] - 0s 8ms/step - loss: 0.6885 - accuracy: 0.
5431 - val_loss: 0.6854 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 38/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6844 - accuracy: 0.5625
Epoch 38: val_loss did not improve from 0.68465
11/11 [=====] - 0s 6ms/step - loss: 0.6922 - accuracy: 0.
5172 - val_loss: 0.6857 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 39/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6796 - accuracy: 0.5938
Epoch 39: val_loss did not improve from 0.68465
11/11 [=====] - 0s 6ms/step - loss: 0.6908 - accuracy: 0.
5259 - val_loss: 0.6877 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 40/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6872 - accuracy: 0.4375
Epoch 40: val_loss did not improve from 0.68465
11/11 [=====] - 0s 6ms/step - loss: 0.6879 - accuracy: 0.
5230 - val_loss: 0.6849 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 41/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6703 - accuracy: 0.5625
Epoch 41: val_loss did not improve from 0.68465
11/11 [=====] - 0s 8ms/step - loss: 0.6877 - accuracy: 0.
5460 - val_loss: 0.6876 - val_accuracy: 0.4867 - lr: 0.0090
Epoch 42/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6858 - accuracy: 0.5625
Epoch 42: val_loss did not improve from 0.68465
11/11 [=====] - 0s 8ms/step - loss: 0.6877 - accuracy: 0.
5172 - val_loss: 0.6870 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 43/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6893 - accuracy: 0.5625
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Epoch 43: val_loss did not improve from 0.68465
11/11 [=====] - 0s 7ms/step - loss: 0.6889 - accuracy: 0.
5230 - val_loss: 0.6849 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 44/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6574 - accuracy: 0.6562
Epoch 44: val_loss did not improve from 0.68465
11/11 [=====] - 0s 8ms/step - loss: 0.6866 - accuracy: 0.
5230 - val_loss: 0.6873 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 45/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6561 - accuracy: 0.6250
Epoch 45: val_loss did not improve from 0.68465
11/11 [=====] - 0s 8ms/step - loss: 0.6862 - accuracy: 0.
5546 - val_loss: 0.6853 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 46/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6698 - accuracy: 0.6250
Epoch 46: val_loss did not improve from 0.68465
11/11 [=====] - 0s 7ms/step - loss: 0.6870 - accuracy: 0.
5345 - val_loss: 0.6871 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 47/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6710 - accuracy: 0.5938
Epoch 47: val_loss did not improve from 0.68465
11/11 [=====] - 0s 7ms/step - loss: 0.6895 - accuracy: 0.
5115 - val_loss: 0.6915 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 48/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7307 - accuracy: 0.4375
Epoch 48: val_loss improved from 0.68465 to 0.68321, saving model to tmp/Weights-0
48--0.68321.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6896 - accuracy: 0.
5374 - val_loss: 0.6832 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 49/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6986 - accuracy: 0.4062
Epoch 49: val_loss did not improve from 0.68321
11/11 [=====] - 0s 7ms/step - loss: 0.6870 - accuracy: 0.
5575 - val_loss: 0.6865 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 50/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7015 - accuracy: 0.4375
Epoch 50: val_loss did not improve from 0.68321
11/11 [=====] - 0s 7ms/step - loss: 0.6866 - accuracy: 0.
5517 - val_loss: 0.6848 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 51/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6980 - accuracy: 0.5312
Epoch 51: val_loss did not improve from 0.68321
11/11 [=====] - 0s 7ms/step - loss: 0.6857 - accuracy: 0.
5057 - val_loss: 0.6874 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 52/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6707 - accuracy: 0.5625
Epoch 52: val_loss did not improve from 0.68321
11/11 [=====] - 0s 8ms/step - loss: 0.6894 - accuracy: 0.
5086 - val_loss: 0.6856 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 53/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7089 - accuracy: 0.4062
Epoch 53: val_loss did not improve from 0.68321
11/11 [=====] - 0s 6ms/step - loss: 0.6875 - accuracy: 0.
5661 - val_loss: 0.6876 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 54/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6611 - accuracy: 0.7188
Epoch 54: val_loss did not improve from 0.68321
11/11 [=====] - 0s 8ms/step - loss: 0.6903 - accuracy: 0.
5374 - val_loss: 0.6859 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 55/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7137 - accuracy: 0.6250
Epoch 55: val_loss did not improve from 0.68321
11/11 [=====] - 0s 7ms/step - loss: 0.6848 - accuracy: 0.
5603 - val_loss: 0.6872 - val_accuracy: 0.5000 - lr: 0.0090
```

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Epoch 56/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7018 - accuracy: 0.5625
Epoch 56: val_loss did not improve from 0.68321
11/11 [=====] - 0s 8ms/step - loss: 0.6854 - accuracy: 0.
4914 - val_loss: 0.6865 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 57/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6976 - accuracy: 0.4688
Epoch 57: val_loss did not improve from 0.68321
11/11 [=====] - 0s 7ms/step - loss: 0.6855 - accuracy: 0.
5431 - val_loss: 0.6846 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 58/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7131 - accuracy: 0.5000
Epoch 58: val_loss did not improve from 0.68321
11/11 [=====] - 0s 6ms/step - loss: 0.6844 - accuracy: 0.
6006 - val_loss: 0.6870 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 59/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6944 - accuracy: 0.5938
Epoch 59: val_loss did not improve from 0.68321
11/11 [=====] - 0s 6ms/step - loss: 0.6853 - accuracy: 0.
5144 - val_loss: 0.6861 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 60/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6870 - accuracy: 0.4688
Epoch 60: val_loss did not improve from 0.68321
11/11 [=====] - 0s 7ms/step - loss: 0.6830 - accuracy: 0.
5517 - val_loss: 0.6853 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 61/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6882 - accuracy: 0.5000
Epoch 61: val_loss did not improve from 0.68321
11/11 [=====] - 0s 7ms/step - loss: 0.6837 - accuracy: 0.
5948 - val_loss: 0.6861 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 62/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6821 - accuracy: 0.7500
Epoch 62: val_loss did not improve from 0.68321
11/11 [=====] - 0s 6ms/step - loss: 0.6837 - accuracy: 0.
5632 - val_loss: 0.6854 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 63/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7070 - accuracy: 0.4375
Epoch 63: val_loss improved from 0.68321 to 0.68112, saving model to tmp/Weights-0
63--0.68112.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6846 - accuracy: 0.
5661 - val_loss: 0.6811 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 64/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6713 - accuracy: 0.5938
Epoch 64: val_loss did not improve from 0.68112
11/11 [=====] - 0s 7ms/step - loss: 0.6830 - accuracy: 0.
5086 - val_loss: 0.6832 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 65/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6998 - accuracy: 0.5312
Epoch 65: val_loss did not improve from 0.68112
11/11 [=====] - 0s 7ms/step - loss: 0.6815 - accuracy: 0.
5402 - val_loss: 0.6824 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 66/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7147 - accuracy: 0.5625
Epoch 66: val_loss did not improve from 0.68112
11/11 [=====] - 0s 7ms/step - loss: 0.6857 - accuracy: 0.
5546 - val_loss: 0.6816 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 67/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6168 - accuracy: 0.6250
Epoch 67: val_loss improved from 0.68112 to 0.67643, saving model to tmp/Weights-0
67--0.67643.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6828 - accuracy: 0.
5546 - val_loss: 0.6764 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 68/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6816 - accuracy: 0.5938
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Epoch 68: val_loss improved from 0.67643 to 0.67388, saving model to tmp/Weights-0
68--0.67388.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6839 - accuracy: 0.5546
  val_loss: 0.6739 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 69/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6711 - accuracy: 0.4688
Epoch 69: val_loss improved from 0.67388 to 0.67234, saving model to tmp/Weights-0
69--0.67234.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6836 - accuracy: 0.4971
  val_loss: 0.6723 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 70/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.7010 - accuracy: 0.5312
Epoch 70: val_loss did not improve from 0.67234
11/11 [=====] - 0s 7ms/step - loss: 0.6817 - accuracy: 0.5776
  val_loss: 0.6789 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 71/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6724 - accuracy: 0.5938
Epoch 71: val_loss did not improve from 0.67234
11/11 [=====] - 0s 8ms/step - loss: 0.6828 - accuracy: 0.5460
  val_loss: 0.6847 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 72/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6848 - accuracy: 0.4688
Epoch 72: val_loss did not improve from 0.67234
11/11 [=====] - 0s 6ms/step - loss: 0.6786 - accuracy: 0.5402
  val_loss: 0.6788 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 73/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6903 - accuracy: 0.5625
Epoch 73: val_loss did not improve from 0.67234
11/11 [=====] - 0s 6ms/step - loss: 0.6778 - accuracy: 0.5517
  val_loss: 0.6797 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 74/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6619 - accuracy: 0.5625
Epoch 74: val_loss did not improve from 0.67234
11/11 [=====] - 0s 7ms/step - loss: 0.6778 - accuracy: 0.5460
  val_loss: 0.6789 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 75/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6701 - accuracy: 0.6562
Epoch 75: val_loss did not improve from 0.67234
11/11 [=====] - 0s 7ms/step - loss: 0.6764 - accuracy: 0.5891
  val_loss: 0.6767 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 76/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6816 - accuracy: 0.5312
Epoch 76: val_loss did not improve from 0.67234
11/11 [=====] - 0s 7ms/step - loss: 0.6776 - accuracy: 0.5747
  val_loss: 0.6766 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 77/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6676 - accuracy: 0.6875
Epoch 77: val_loss did not improve from 0.67234
11/11 [=====] - 0s 8ms/step - loss: 0.6742 - accuracy: 0.5862
  val_loss: 0.6777 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 78/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.7248 - accuracy: 0.4062
Epoch 78: val_loss did not improve from 0.67234
11/11 [=====] - 0s 7ms/step - loss: 0.6766 - accuracy: 0.5862
  val_loss: 0.6792 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 79/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.7387 - accuracy: 0.4062
Epoch 79: val_loss did not improve from 0.67234
11/11 [=====] - 0s 7ms/step - loss: 0.6746 - accuracy: 0.6006
  val_loss: 0.6777 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 80/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6755 - accuracy: 0.6562
Epoch 80: val_loss did not improve from 0.67234
11/11 [=====] - 0s 6ms/step - loss: 0.6731 - accuracy: 0.
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5575 - val_loss: 0.6746 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 81/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6847 - accuracy: 0.5312
Epoch 81: val_loss improved from 0.67234 to 0.66871, saving model to tmp/Weights-0
81--0.66871.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6761 - accuracy: 0.
5460 - val_loss: 0.6687 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 82/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6640 - accuracy: 0.5312
Epoch 82: val_loss did not improve from 0.66871
11/11 [=====] - 0s 8ms/step - loss: 0.6727 - accuracy: 0.
5920 - val_loss: 0.6785 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 83/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6362 - accuracy: 0.6562
Epoch 83: val_loss did not improve from 0.66871
11/11 [=====] - 0s 7ms/step - loss: 0.6705 - accuracy: 0.
5948 - val_loss: 0.6717 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 84/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6789 - accuracy: 0.5000
Epoch 84: val_loss improved from 0.66871 to 0.66812, saving model to tmp/Weights-0
84--0.66812.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6710 - accuracy: 0.
5747 - val_loss: 0.6681 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 85/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6562 - accuracy: 0.5938
Epoch 85: val_loss did not improve from 0.66812
11/11 [=====] - 0s 7ms/step - loss: 0.6697 - accuracy: 0.
5948 - val_loss: 0.6703 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 86/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6407 - accuracy: 0.6250
Epoch 86: val_loss did not improve from 0.66812
11/11 [=====] - 0s 7ms/step - loss: 0.6703 - accuracy: 0.
5891 - val_loss: 0.6731 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 87/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6538 - accuracy: 0.6250
Epoch 87: val_loss improved from 0.66812 to 0.66491, saving model to tmp/Weights-0
87--0.66491.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6699 - accuracy: 0.
5603 - val_loss: 0.6649 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 88/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6599 - accuracy: 0.5938
Epoch 88: val_loss did not improve from 0.66491
11/11 [=====] - 0s 6ms/step - loss: 0.6690 - accuracy: 0.
5575 - val_loss: 0.6671 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 89/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6909 - accuracy: 0.5625
Epoch 89: val_loss did not improve from 0.66491
11/11 [=====] - 0s 7ms/step - loss: 0.6674 - accuracy: 0.
5661 - val_loss: 0.6686 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 90/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6306 - accuracy: 0.6875
Epoch 90: val_loss did not improve from 0.66491
11/11 [=====] - 0s 7ms/step - loss: 0.6772 - accuracy: 0.
5374 - val_loss: 0.6730 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 91/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6271 - accuracy: 0.6875
Epoch 91: val_loss did not improve from 0.66491
11/11 [=====] - 0s 6ms/step - loss: 0.6688 - accuracy: 0.
5661 - val_loss: 0.6680 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 92/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6710 - accuracy: 0.6875
Epoch 92: val_loss did not improve from 0.66491
11/11 [=====] - 0s 6ms/step - loss: 0.6696 - accuracy: 0.
5805 - val_loss: 0.6695 - val_accuracy: 0.5333 - lr: 0.0090
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Epoch 93/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6760 - accuracy: 0.6562
Epoch 93: val_loss did not improve from 0.66491
11/11 [=====] - 0s 6ms/step - loss: 0.6708 - accuracy: 0.
5805 - val_loss: 0.6689 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 94/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6638 - accuracy: 0.4062
Epoch 94: val_loss did not improve from 0.66491
11/11 [=====] - 0s 7ms/step - loss: 0.6663 - accuracy: 0.
5833 - val_loss: 0.6668 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 95/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6656 - accuracy: 0.6250
Epoch 95: val_loss did not improve from 0.66491
11/11 [=====] - 0s 7ms/step - loss: 0.6644 - accuracy: 0.
5862 - val_loss: 0.6678 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 96/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6501 - accuracy: 0.7188
Epoch 96: val_loss did not improve from 0.66491
11/11 [=====] - 0s 6ms/step - loss: 0.6641 - accuracy: 0.
6121 - val_loss: 0.6667 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 97/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7141 - accuracy: 0.5312
Epoch 97: val_loss did not improve from 0.66491
11/11 [=====] - 0s 7ms/step - loss: 0.6617 - accuracy: 0.
5977 - val_loss: 0.6666 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 98/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7000 - accuracy: 0.5000
Epoch 98: val_loss improved from 0.66491 to 0.66484, saving model to tmp/Weights-0
98--0.66484.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6616 - accuracy: 0.
6092 - val_loss: 0.6648 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 99/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6423 - accuracy: 0.6250
Epoch 99: val_loss improved from 0.66484 to 0.66463, saving model to tmp/Weights-0
99--0.66463.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6640 - accuracy: 0.
5546 - val_loss: 0.6646 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 100/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6834 - accuracy: 0.5000
Epoch 100: val_loss did not improve from 0.66463
11/11 [=====] - 0s 6ms/step - loss: 0.6617 - accuracy: 0.
6063 - val_loss: 0.6683 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 101/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6232 - accuracy: 0.6250
Epoch 101: val_loss did not improve from 0.66463
11/11 [=====] - 0s 7ms/step - loss: 0.6617 - accuracy: 0.
5891 - val_loss: 0.6669 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 102/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6549 - accuracy: 0.6875
Epoch 102: val_loss did not improve from 0.66463
11/11 [=====] - 0s 7ms/step - loss: 0.6649 - accuracy: 0.
5805 - val_loss: 0.6663 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 103/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6859 - accuracy: 0.5000
Epoch 103: val_loss improved from 0.66463 to 0.65929, saving model to tmp/Weights-
103--0.65929.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6690 - accuracy: 0.
5517 - val_loss: 0.6593 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 104/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6474 - accuracy: 0.5938
Epoch 104: val_loss improved from 0.65929 to 0.65703, saving model to tmp/Weights-
104--0.65703.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6671 - accuracy: 0.
5632 - val_loss: 0.6570 - val_accuracy: 0.5133 - lr: 0.0090
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Epoch 105/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6408 - accuracy: 0.6250
Epoch 105: val_loss did not improve from 0.65703
11/11 [=====] - 0s 8ms/step - loss: 0.6647 - accuracy: 0.
5402 - val_loss: 0.6622 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 106/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6556 - accuracy: 0.5312
Epoch 106: val_loss did not improve from 0.65703
11/11 [=====] - 0s 6ms/step - loss: 0.6609 - accuracy: 0.
5805 - val_loss: 0.6601 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 107/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6437 - accuracy: 0.6250
Epoch 107: val_loss did not improve from 0.65703
11/11 [=====] - 0s 7ms/step - loss: 0.6620 - accuracy: 0.
5374 - val_loss: 0.6639 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 108/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6265 - accuracy: 0.6875
Epoch 108: val_loss did not improve from 0.65703
11/11 [=====] - 0s 7ms/step - loss: 0.6616 - accuracy: 0.
5833 - val_loss: 0.6623 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 109/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6483 - accuracy: 0.6250
Epoch 109: val_loss did not improve from 0.65703
11/11 [=====] - 0s 7ms/step - loss: 0.6617 - accuracy: 0.
5575 - val_loss: 0.6645 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 110/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6803 - accuracy: 0.5625
Epoch 110: val_loss did not improve from 0.65703
11/11 [=====] - 0s 7ms/step - loss: 0.6619 - accuracy: 0.
5575 - val_loss: 0.6587 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 111/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6675 - accuracy: 0.5938
Epoch 111: val_loss did not improve from 0.65703
11/11 [=====] - 0s 8ms/step - loss: 0.6602 - accuracy: 0.
5632 - val_loss: 0.6649 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 112/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6713 - accuracy: 0.5938
Epoch 112: val_loss did not improve from 0.65703
11/11 [=====] - 0s 7ms/step - loss: 0.6599 - accuracy: 0.
5920 - val_loss: 0.6581 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 113/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6790 - accuracy: 0.5625
Epoch 113: val_loss did not improve from 0.65703
11/11 [=====] - 0s 7ms/step - loss: 0.6584 - accuracy: 0.
5920 - val_loss: 0.6613 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 114/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6654 - accuracy: 0.5000
Epoch 114: val_loss did not improve from 0.65703
11/11 [=====] - 0s 6ms/step - loss: 0.6572 - accuracy: 0.
5862 - val_loss: 0.6589 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 115/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6229 - accuracy: 0.6875
Epoch 115: val_loss did not improve from 0.65703
11/11 [=====] - 0s 7ms/step - loss: 0.6572 - accuracy: 0.
6034 - val_loss: 0.6592 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 116/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6842 - accuracy: 0.6250
Epoch 116: val_loss did not improve from 0.65703
11/11 [=====] - 0s 8ms/step - loss: 0.6572 - accuracy: 0.
5920 - val_loss: 0.6589 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 117/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6857 - accuracy: 0.4062
Epoch 117: val_loss did not improve from 0.65703
11/11 [=====] - 0s 8ms/step - loss: 0.6584 - accuracy: 0.
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5833 - val_loss: 0.6609 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 118/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5961 - accuracy: 0.7188
Epoch 118: val_loss did not improve from 0.65703
11/11 [=====] - 0s 7ms/step - loss: 0.6581 - accuracy: 0.
6092 - val_loss: 0.6639 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 119/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6442 - accuracy: 0.6875
Epoch 119: val_loss did not improve from 0.65703
11/11 [=====] - 0s 7ms/step - loss: 0.6567 - accuracy: 0.
5891 - val_loss: 0.6577 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 120/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6398 - accuracy: 0.6250
Epoch 120: val_loss did not improve from 0.65703
11/11 [=====] - 0s 7ms/step - loss: 0.6562 - accuracy: 0.
5920 - val_loss: 0.6596 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 121/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6642 - accuracy: 0.5938
Epoch 121: val_loss did not improve from 0.65703
11/11 [=====] - 0s 7ms/step - loss: 0.6551 - accuracy: 0.
5977 - val_loss: 0.6575 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 122/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6124 - accuracy: 0.6875
Epoch 122: val_loss did not improve from 0.65703
11/11 [=====] - 0s 7ms/step - loss: 0.6563 - accuracy: 0.
5833 - val_loss: 0.6595 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 123/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6776 - accuracy: 0.6250
Epoch 123: val_loss improved from 0.65703 to 0.65588, saving model to tmp/Weights-
123--0.65588.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6557 - accuracy: 0.
5805 - val_loss: 0.6559 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 124/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6303 - accuracy: 0.6562
Epoch 124: val_loss did not improve from 0.65588
11/11 [=====] - 0s 7ms/step - loss: 0.6549 - accuracy: 0.
6006 - val_loss: 0.6609 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 125/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6307 - accuracy: 0.6250
Epoch 125: val_loss did not improve from 0.65588
11/11 [=====] - 0s 7ms/step - loss: 0.6576 - accuracy: 0.
5805 - val_loss: 0.6601 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 126/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6397 - accuracy: 0.5312
Epoch 126: val_loss did not improve from 0.65588
11/11 [=====] - 0s 6ms/step - loss: 0.6556 - accuracy: 0.
6006 - val_loss: 0.6596 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 127/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6821 - accuracy: 0.5938
Epoch 127: val_loss improved from 0.65588 to 0.65339, saving model to tmp/Weights-
127--0.65339.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6573 - accuracy: 0.
5575 - val_loss: 0.6534 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 128/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6702 - accuracy: 0.4375
Epoch 128: val_loss did not improve from 0.65339
11/11 [=====] - 0s 7ms/step - loss: 0.6573 - accuracy: 0.
5833 - val_loss: 0.6633 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 129/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6550 - accuracy: 0.5938
Epoch 129: val_loss did not improve from 0.65339
11/11 [=====] - 0s 8ms/step - loss: 0.6546 - accuracy: 0.
5920 - val_loss: 0.6566 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 130/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6459 - accuracy: 0.5938
Epoch 130: val_loss did not improve from 0.65339
11/11 [=====] - 0s 7ms/step - loss: 0.6531 - accuracy: 0.
5833 - val_loss: 0.6570 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 131/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7002 - accuracy: 0.5000
Epoch 131: val_loss did not improve from 0.65339
11/11 [=====] - 0s 7ms/step - loss: 0.6534 - accuracy: 0.
6092 - val_loss: 0.6556 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 132/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6277 - accuracy: 0.6250
Epoch 132: val_loss did not improve from 0.65339
11/11 [=====] - 0s 7ms/step - loss: 0.6548 - accuracy: 0.
6006 - val_loss: 0.6587 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 133/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6842 - accuracy: 0.5625
Epoch 133: val_loss did not improve from 0.65339
11/11 [=====] - 0s 7ms/step - loss: 0.6535 - accuracy: 0.
5805 - val_loss: 0.6606 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 134/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6717 - accuracy: 0.4688
Epoch 134: val_loss did not improve from 0.65339
11/11 [=====] - 0s 7ms/step - loss: 0.6536 - accuracy: 0.
5920 - val_loss: 0.6536 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 135/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6174 - accuracy: 0.6562
Epoch 135: val_loss did not improve from 0.65339
11/11 [=====] - 0s 8ms/step - loss: 0.6560 - accuracy: 0.
5718 - val_loss: 0.6595 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 136/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6266 - accuracy: 0.6562
Epoch 136: val_loss did not improve from 0.65339
11/11 [=====] - 0s 7ms/step - loss: 0.6546 - accuracy: 0.
6121 - val_loss: 0.6577 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 137/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6616 - accuracy: 0.5625
Epoch 137: val_loss improved from 0.65339 to 0.65327, saving model to tmp/Weights-137--0.65327.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6539 - accuracy: 0.
5805 - val_loss: 0.6533 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 138/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6359 - accuracy: 0.6562
Epoch 138: val_loss did not improve from 0.65327
11/11 [=====] - 0s 7ms/step - loss: 0.6507 - accuracy: 0.
6149 - val_loss: 0.6551 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 139/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6529 - accuracy: 0.5625
Epoch 139: val_loss did not improve from 0.65327
11/11 [=====] - 0s 7ms/step - loss: 0.6507 - accuracy: 0.
5920 - val_loss: 0.6563 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 140/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6206 - accuracy: 0.6250
Epoch 140: val_loss improved from 0.65327 to 0.65165, saving model to tmp/Weights-140--0.65165.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6520 - accuracy: 0.
5718 - val_loss: 0.6516 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 141/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6176 - accuracy: 0.6562
Epoch 141: val_loss did not improve from 0.65165
11/11 [=====] - 0s 8ms/step - loss: 0.6542 - accuracy: 0.
5862 - val_loss: 0.6590 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 142/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6120 - accuracy: 0.7500
Epoch 142: val_loss did not improve from 0.65165
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11/11 [=====] - 0s 7ms/step - loss: 0.6560 - accuracy: 0.5977 - val_loss: 0.6642 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 143/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6590 - accuracy: 0.5938
Epoch 143: val_loss did not improve from 0.65165
11/11 [=====] - 0s 8ms/step - loss: 0.6545 - accuracy: 0.5891 - val_loss: 0.6558 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 144/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6352 - accuracy: 0.6250
Epoch 144: val_loss did not improve from 0.65165
11/11 [=====] - 0s 7ms/step - loss: 0.6496 - accuracy: 0.6121 - val_loss: 0.6521 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 145/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6245 - accuracy: 0.7188
Epoch 145: val_loss did not improve from 0.65165
11/11 [=====] - 0s 7ms/step - loss: 0.6518 - accuracy: 0.5833 - val_loss: 0.6594 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 146/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6492 - accuracy: 0.7188
Epoch 146: val_loss did not improve from 0.65165
11/11 [=====] - 0s 7ms/step - loss: 0.6558 - accuracy: 0.5862 - val_loss: 0.6587 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 147/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6217 - accuracy: 0.5938
Epoch 147: val_loss did not improve from 0.65165
11/11 [=====] - 0s 7ms/step - loss: 0.6515 - accuracy: 0.5948 - val_loss: 0.6610 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 148/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6710 - accuracy: 0.5625
Epoch 148: val_loss improved from 0.65165 to 0.64989, saving model to tmp/Weights-148--0.64989.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6530 - accuracy: 0.5891 - val_loss: 0.6499 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 149/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6683 - accuracy: 0.6250
Epoch 149: val_loss did not improve from 0.64989
11/11 [=====] - 0s 6ms/step - loss: 0.6539 - accuracy: 0.5517 - val_loss: 0.6559 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 150/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6406 - accuracy: 0.5625
Epoch 150: val_loss did not improve from 0.64989
11/11 [=====] - 0s 8ms/step - loss: 0.6538 - accuracy: 0.5891 - val_loss: 0.6608 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 151/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5861 - accuracy: 0.6875
Epoch 151: val_loss did not improve from 0.64989
11/11 [=====] - 0s 8ms/step - loss: 0.6507 - accuracy: 0.5833 - val_loss: 0.6503 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 152/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7034 - accuracy: 0.4688
Epoch 152: val_loss did not improve from 0.64989
11/11 [=====] - 0s 8ms/step - loss: 0.6512 - accuracy: 0.5833 - val_loss: 0.6600 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 153/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6250 - accuracy: 0.5625
Epoch 153: val_loss did not improve from 0.64989
11/11 [=====] - 0s 7ms/step - loss: 0.6491 - accuracy: 0.5833 - val_loss: 0.6560 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 154/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6339 - accuracy: 0.7500
Epoch 154: val_loss did not improve from 0.64989
11/11 [=====] - 0s 8ms/step - loss: 0.6506 - accuracy: 0.6034 - val_loss: 0.6544 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 155/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6612 - accuracy: 0.5625
Epoch 155: val_loss did not improve from 0.64989
11/11 [=====] - 0s 7ms/step - loss: 0.6473 - accuracy: 0.
6121 - val_loss: 0.6520 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 156/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6565 - accuracy: 0.6250
Epoch 156: val_loss did not improve from 0.64989
11/11 [=====] - 0s 7ms/step - loss: 0.6486 - accuracy: 0.
5862 - val_loss: 0.6534 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 157/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6849 - accuracy: 0.5312
Epoch 157: val_loss did not improve from 0.64989
11/11 [=====] - 0s 6ms/step - loss: 0.6481 - accuracy: 0.
6034 - val_loss: 0.6548 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 158/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6103 - accuracy: 0.6875
Epoch 158: val_loss did not improve from 0.64989
11/11 [=====] - 0s 9ms/step - loss: 0.6485 - accuracy: 0.
5948 - val_loss: 0.6526 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 159/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7042 - accuracy: 0.4688
Epoch 159: val_loss did not improve from 0.64989
11/11 [=====] - 0s 7ms/step - loss: 0.6468 - accuracy: 0.
5862 - val_loss: 0.6535 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 160/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5884 - accuracy: 0.7500
Epoch 160: val_loss improved from 0.64989 to 0.64857, saving model to tmp/Weights-160--0.64857.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6481 - accuracy: 0.
5977 - val_loss: 0.6486 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 161/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6338 - accuracy: 0.6250
Epoch 161: val_loss did not improve from 0.64857
11/11 [=====] - 0s 7ms/step - loss: 0.6508 - accuracy: 0.
5632 - val_loss: 0.6509 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 162/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6343 - accuracy: 0.6562
Epoch 162: val_loss did not improve from 0.64857
11/11 [=====] - 0s 7ms/step - loss: 0.6475 - accuracy: 0.
6092 - val_loss: 0.6562 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 163/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6544 - accuracy: 0.5938
Epoch 163: val_loss did not improve from 0.64857
11/11 [=====] - 0s 7ms/step - loss: 0.6465 - accuracy: 0.
5977 - val_loss: 0.6528 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 164/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6615 - accuracy: 0.6562
Epoch 164: val_loss did not improve from 0.64857
11/11 [=====] - 0s 7ms/step - loss: 0.6472 - accuracy: 0.
5948 - val_loss: 0.6491 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 165/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6504 - accuracy: 0.5625
Epoch 165: val_loss improved from 0.64857 to 0.64741, saving model to tmp/Weights-165--0.64741.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6482 - accuracy: 0.
5891 - val_loss: 0.6474 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 166/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6154 - accuracy: 0.6562
Epoch 166: val_loss did not improve from 0.64741
11/11 [=====] - 0s 8ms/step - loss: 0.6464 - accuracy: 0.
6006 - val_loss: 0.6560 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 167/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6487 - accuracy: 0.6250
Epoch 167: val_loss did not improve from 0.64741
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11/11 [=====] - 0s 7ms/step - loss: 0.6468 - accuracy: 0.  
5891 - val_loss: 0.6563 - val_accuracy: 0.5800 - lr: 0.0090  
Epoch 168/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6247 - accuracy: 0.6562  
Epoch 168: val_loss did not improve from 0.64741  
11/11 [=====] - 0s 7ms/step - loss: 0.6483 - accuracy: 0.  
6149 - val_loss: 0.6517 - val_accuracy: 0.5800 - lr: 0.0090  
Epoch 169/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6486 - accuracy: 0.6562  
Epoch 169: val_loss did not improve from 0.64741  
11/11 [=====] - 0s 7ms/step - loss: 0.6458 - accuracy: 0.  
5891 - val_loss: 0.6478 - val_accuracy: 0.5800 - lr: 0.0090  
Epoch 170/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6752 - accuracy: 0.5938  
Epoch 170: val_loss did not improve from 0.64741  
11/11 [=====] - 0s 7ms/step - loss: 0.6479 - accuracy: 0.  
5891 - val_loss: 0.6516 - val_accuracy: 0.5600 - lr: 0.0090  
Epoch 171/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6016 - accuracy: 0.5938  
Epoch 171: val_loss did not improve from 0.64741  
11/11 [=====] - 0s 7ms/step - loss: 0.6463 - accuracy: 0.  
6006 - val_loss: 0.6481 - val_accuracy: 0.5867 - lr: 0.0090  
Epoch 172/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6596 - accuracy: 0.5312  
Epoch 172: val_loss did not improve from 0.64741  
11/11 [=====] - 0s 8ms/step - loss: 0.6506 - accuracy: 0.  
5661 - val_loss: 0.6503 - val_accuracy: 0.5733 - lr: 0.0090  
Epoch 173/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6376 - accuracy: 0.5625  
Epoch 173: val_loss did not improve from 0.64741  
11/11 [=====] - 0s 7ms/step - loss: 0.6464 - accuracy: 0.  
6092 - val_loss: 0.6525 - val_accuracy: 0.5667 - lr: 0.0090  
Epoch 174/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6876 - accuracy: 0.6250  
Epoch 174: val_loss did not improve from 0.64741  
11/11 [=====] - 0s 7ms/step - loss: 0.6459 - accuracy: 0.  
6006 - val_loss: 0.6541 - val_accuracy: 0.5800 - lr: 0.0090  
Epoch 175/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6728 - accuracy: 0.4688  
Epoch 175: val_loss did not improve from 0.64741  
11/11 [=====] - 0s 7ms/step - loss: 0.6465 - accuracy: 0.  
6063 - val_loss: 0.6516 - val_accuracy: 0.5867 - lr: 0.0090  
Epoch 176/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6530 - accuracy: 0.6562  
Epoch 176: val_loss did not improve from 0.64741  
11/11 [=====] - 0s 8ms/step - loss: 0.6458 - accuracy: 0.  
6034 - val_loss: 0.6542 - val_accuracy: 0.5667 - lr: 0.0090  
Epoch 177/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6708 - accuracy: 0.5312  
Epoch 177: val_loss improved from 0.64741 to 0.64660, saving model to tmp/Weights-  
177--0.64660.hdf5  
11/11 [=====] - 0s 9ms/step - loss: 0.6450 - accuracy: 0.  
6006 - val_loss: 0.6466 - val_accuracy: 0.5600 - lr: 0.0090  
Epoch 178/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5483 - accuracy: 0.6562  
Epoch 178: val_loss did not improve from 0.64660  
11/11 [=====] - 0s 7ms/step - loss: 0.6465 - accuracy: 0.  
5948 - val_loss: 0.6499 - val_accuracy: 0.5733 - lr: 0.0090  
Epoch 179/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6794 - accuracy: 0.5000  
Epoch 179: val_loss improved from 0.64660 to 0.64506, saving model to tmp/Weights-  
179--0.64506.hdf5  
11/11 [=====] - 0s 9ms/step - loss: 0.6451 - accuracy: 0.  
6063 - val_loss: 0.6451 - val_accuracy: 0.5400 - lr: 0.0090
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Epoch 180/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6321 - accuracy: 0.5938
Epoch 180: val_loss did not improve from 0.64506
11/11 [=====] - 0s 7ms/step - loss: 0.6479 - accuracy: 0.
5718 - val_loss: 0.6473 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 181/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6684 - accuracy: 0.7188
Epoch 181: val_loss did not improve from 0.64506
11/11 [=====] - 0s 7ms/step - loss: 0.6481 - accuracy: 0.
5948 - val_loss: 0.6508 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 182/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6477 - accuracy: 0.7188
Epoch 182: val_loss did not improve from 0.64506
11/11 [=====] - 0s 6ms/step - loss: 0.6448 - accuracy: 0.
5977 - val_loss: 0.6467 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 183/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7086 - accuracy: 0.4688
Epoch 183: val_loss did not improve from 0.64506
11/11 [=====] - 0s 7ms/step - loss: 0.6434 - accuracy: 0.
6178 - val_loss: 0.6608 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 184/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6906 - accuracy: 0.5625
Epoch 184: val_loss improved from 0.64506 to 0.63889, saving model to tmp/Weights-184--0.63889.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6521 - accuracy: 0.
5833 - val_loss: 0.6389 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 185/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6606 - accuracy: 0.5625
Epoch 185: val_loss did not improve from 0.63889
11/11 [=====] - 0s 7ms/step - loss: 0.6479 - accuracy: 0.
5690 - val_loss: 0.6500 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 186/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6948 - accuracy: 0.5000
Epoch 186: val_loss did not improve from 0.63889
11/11 [=====] - 0s 7ms/step - loss: 0.6452 - accuracy: 0.
6034 - val_loss: 0.6433 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 187/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6454 - accuracy: 0.5938
Epoch 187: val_loss did not improve from 0.63889
11/11 [=====] - 0s 7ms/step - loss: 0.6431 - accuracy: 0.
6006 - val_loss: 0.6455 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 188/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6546 - accuracy: 0.5625
Epoch 188: val_loss did not improve from 0.63889
11/11 [=====] - 0s 6ms/step - loss: 0.6410 - accuracy: 0.
6149 - val_loss: 0.6418 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 189/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5865 - accuracy: 0.7188
Epoch 189: val_loss did not improve from 0.63889
11/11 [=====] - 0s 8ms/step - loss: 0.6424 - accuracy: 0.
6149 - val_loss: 0.6451 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 190/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6214 - accuracy: 0.6875
Epoch 190: val_loss did not improve from 0.63889
11/11 [=====] - 0s 8ms/step - loss: 0.6482 - accuracy: 0.
5718 - val_loss: 0.6491 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 191/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6902 - accuracy: 0.5625
Epoch 191: val_loss did not improve from 0.63889
11/11 [=====] - 0s 8ms/step - loss: 0.6473 - accuracy: 0.
5977 - val_loss: 0.6415 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 192/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5900 - accuracy: 0.6562
Epoch 192: val_loss did not improve from 0.63889
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11/11 [=====] - 0s 7ms/step - loss: 0.6460 - accuracy: 0.5833 - val_loss: 0.6560 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 193/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6531 - accuracy: 0.5312
Epoch 193: val_loss did not improve from 0.63889
11/11 [=====] - 0s 7ms/step - loss: 0.6475 - accuracy: 0.5805 - val_loss: 0.6462 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 194/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6915 - accuracy: 0.5625
Epoch 194: val_loss did not improve from 0.63889
11/11 [=====] - 0s 8ms/step - loss: 0.6485 - accuracy: 0.5718 - val_loss: 0.6446 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 195/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6366 - accuracy: 0.5625
Epoch 195: val_loss improved from 0.63889 to 0.63684, saving model to tmp/Weights-195--0.63684.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6486 - accuracy: 0.5891 - val_loss: 0.6368 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 196/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7021 - accuracy: 0.4688
Epoch 196: val_loss did not improve from 0.63684
11/11 [=====] - 0s 7ms/step - loss: 0.6470 - accuracy: 0.5776 - val_loss: 0.6431 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 197/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6684 - accuracy: 0.5312
Epoch 197: val_loss did not improve from 0.63684
11/11 [=====] - 0s 7ms/step - loss: 0.6448 - accuracy: 0.5603 - val_loss: 0.6419 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 198/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6413 - accuracy: 0.4688
Epoch 198: val_loss did not improve from 0.63684
11/11 [=====] - 0s 8ms/step - loss: 0.6456 - accuracy: 0.5747 - val_loss: 0.6415 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 199/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6428 - accuracy: 0.5625
Epoch 199: val_loss improved from 0.63684 to 0.63592, saving model to tmp/Weights-199--0.63592.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6443 - accuracy: 0.5948 - val_loss: 0.6359 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 200/1000
9/11 [=====>.....] - ETA: 0s - loss: 0.6448 - accuracy: 0.5625
Epoch 200: val_loss did not improve from 0.63592
11/11 [=====] - 0s 13ms/step - loss: 0.6483 - accuracy: 0.5603 - val_loss: 0.6449 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 201/1000
11/11 [=====] - ETA: 0s - loss: 0.6519 - accuracy: 0.5920
Epoch 201: val_loss did not improve from 0.63592
11/11 [=====] - 0s 12ms/step - loss: 0.6519 - accuracy: 0.5920 - val_loss: 0.6472 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 202/1000
9/11 [=====>.....] - ETA: 0s - loss: 0.6549 - accuracy: 0.5104
Epoch 202: val_loss did not improve from 0.63592
11/11 [=====] - 0s 20ms/step - loss: 0.6504 - accuracy: 0.5230 - val_loss: 0.6458 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 203/1000
6/11 [=====>.....] - ETA: 0s - loss: 0.6477 - accuracy: 0.5781
Epoch 203: val_loss did not improve from 0.63592
11/11 [=====] - 0s 19ms/step - loss: 0.6487 - accuracy: 0.5862 - val_loss: 0.6384 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 204/1000
7/11 [=====>.....] - ETA: 0s - loss: 0.6504 - accuracy: 0.5536
Epoch 204: val_loss did not improve from 0.63592
11/11 [=====] - 0s 23ms/step - loss: 0.6435 - accuracy: 0.5690 - val_loss: 0.6365 - val_accuracy: 0.5533 - lr: 0.0090
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Epoch 205/1000
7/11 [=====>.....] - ETA: 0s - loss: 0.6529 - accuracy: 0.5714
Epoch 205: val_loss did not improve from 0.63592
11/11 [=====] - 0s 23ms/step - loss: 0.6431 - accuracy: 0.5718 - val_loss: 0.6405 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 206/1000
8/11 [=====>.....] - ETA: 0s - loss: 0.6443 - accuracy: 0.5781
Epoch 206: val_loss improved from 0.63592 to 0.63493, saving model to tmp/Weights-206--0.63493.hdf5
11/11 [=====] - 0s 22ms/step - loss: 0.6420 - accuracy: 0.5776 - val_loss: 0.6349 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 207/1000
9/11 [=====>.....] - ETA: 0s - loss: 0.6341 - accuracy: 0.5938
Epoch 207: val_loss did not improve from 0.63493
11/11 [=====] - 0s 18ms/step - loss: 0.6422 - accuracy: 0.5948 - val_loss: 0.6375 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 208/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6426 - accuracy: 0.5656
Epoch 208: val_loss did not improve from 0.63493
11/11 [=====] - 0s 16ms/step - loss: 0.6419 - accuracy: 0.5747 - val_loss: 0.6414 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 209/1000
9/11 [=====>.....] - ETA: 0s - loss: 0.6426 - accuracy: 0.5729
Epoch 209: val_loss did not improve from 0.63493
11/11 [=====] - 0s 14ms/step - loss: 0.6451 - accuracy: 0.5546 - val_loss: 0.6396 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 210/1000
11/11 [=====] - ETA: 0s - loss: 0.6432 - accuracy: 0.5891
Epoch 210: val_loss did not improve from 0.63493
11/11 [=====] - 0s 13ms/step - loss: 0.6432 - accuracy: 0.5891 - val_loss: 0.6395 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 211/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5960 - accuracy: 0.7188
Epoch 211: val_loss did not improve from 0.63493
11/11 [=====] - 0s 11ms/step - loss: 0.6440 - accuracy: 0.5805 - val_loss: 0.6395 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 212/1000
9/11 [=====>.....] - ETA: 0s - loss: 0.6444 - accuracy: 0.6042
Epoch 212: val_loss did not improve from 0.63493
11/11 [=====] - 0s 13ms/step - loss: 0.6432 - accuracy: 0.5920 - val_loss: 0.6473 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 213/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6417 - accuracy: 0.5656
Epoch 213: val_loss did not improve from 0.63493
11/11 [=====] - 0s 14ms/step - loss: 0.6432 - accuracy: 0.5632 - val_loss: 0.6405 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 214/1000
9/11 [=====>.....] - ETA: 0s - loss: 0.6439 - accuracy: 0.5417
Epoch 214: val_loss improved from 0.63493 to 0.63275, saving model to tmp/Weights-214--0.63275.hdf5
11/11 [=====] - 0s 16ms/step - loss: 0.6431 - accuracy: 0.5517 - val_loss: 0.6327 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 215/1000
7/11 [=====>.....] - ETA: 0s - loss: 0.6470 - accuracy: 0.6027
Epoch 215: val_loss did not improve from 0.63275
11/11 [=====] - 0s 13ms/step - loss: 0.6442 - accuracy: 0.5833 - val_loss: 0.6462 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 216/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6378 - accuracy: 0.6094
Epoch 216: val_loss did not improve from 0.63275
11/11 [=====] - 0s 11ms/step - loss: 0.6399 - accuracy: 0.6063 - val_loss: 0.6372 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 217/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6530 - accuracy: 0.5312
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Epoch 217: val_loss did not improve from 0.63275
11/11 [=====] - 0s 10ms/step - loss: 0.6413 - accuracy: 0.6006 - val_loss: 0.6437 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 218/1000
9/11 [=====>.....] - ETA: 0s - loss: 0.6455 - accuracy: 0.6146
Epoch 218: val_loss did not improve from 0.63275
11/11 [=====] - 0s 13ms/step - loss: 0.6426 - accuracy: 0.6121 - val_loss: 0.6497 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 219/1000
11/11 [=====] - ETA: 0s - loss: 0.6431 - accuracy: 0.5862
Epoch 219: val_loss did not improve from 0.63275
11/11 [=====] - 0s 12ms/step - loss: 0.6431 - accuracy: 0.5862 - val_loss: 0.6433 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 220/1000
6/11 [=====>.....] - ETA: 0s - loss: 0.6407 - accuracy: 0.5781
Epoch 220: val_loss did not improve from 0.63275
11/11 [=====] - 0s 15ms/step - loss: 0.6441 - accuracy: 0.5891 - val_loss: 0.6419 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 221/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6436 - accuracy: 0.5938
Epoch 221: val_loss did not improve from 0.63275
11/11 [=====] - 0s 13ms/step - loss: 0.6428 - accuracy: 0.5977 - val_loss: 0.6403 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 222/1000
9/11 [=====>.....] - ETA: 0s - loss: 0.6381 - accuracy: 0.5903
Epoch 222: val_loss did not improve from 0.63275
11/11 [=====] - 0s 14ms/step - loss: 0.6411 - accuracy: 0.5718 - val_loss: 0.6444 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 223/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6401 - accuracy: 0.5719
Epoch 223: val_loss did not improve from 0.63275
11/11 [=====] - 0s 12ms/step - loss: 0.6407 - accuracy: 0.5776 - val_loss: 0.6420 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 224/1000
8/11 [=====>.....] - ETA: 0s - loss: 0.6452 - accuracy: 0.6055
Epoch 224: val_loss did not improve from 0.63275
11/11 [=====] - 0s 12ms/step - loss: 0.6402 - accuracy: 0.5977 - val_loss: 0.6473 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 225/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6423 - accuracy: 0.5000
Epoch 225: val_loss did not improve from 0.63275
11/11 [=====] - 0s 9ms/step - loss: 0.6411 - accuracy: 0.5891 - val_loss: 0.6432 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 226/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6123 - accuracy: 0.6562
Epoch 226: val_loss did not improve from 0.63275
11/11 [=====] - 0s 9ms/step - loss: 0.6386 - accuracy: 0.5489 - val_loss: 0.6593 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 227/1000
6/11 [=====>.....] - ETA: 0s - loss: 0.6347 - accuracy: 0.5885
Epoch 227: val_loss did not improve from 0.63275
11/11 [=====] - 0s 14ms/step - loss: 0.6416 - accuracy: 0.6149 - val_loss: 0.6328 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 228/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5962 - accuracy: 0.6875
Epoch 228: val_loss did not improve from 0.63275
11/11 [=====] - 0s 10ms/step - loss: 0.6413 - accuracy: 0.5920 - val_loss: 0.6384 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 229/1000
8/11 [=====>.....] - ETA: 0s - loss: 0.6409 - accuracy: 0.6250
Epoch 229: val_loss did not improve from 0.63275
11/11 [=====] - 0s 11ms/step - loss: 0.6416 - accuracy: 0.6063 - val_loss: 0.6362 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 230/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6597 - accuracy: 0.5000
Epoch 230: val_loss did not improve from 0.63275
11/11 [=====] - 0s 8ms/step - loss: 0.6382 - accuracy: 0.
5776 - val_loss: 0.6388 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 231/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6546 - accuracy: 0.3750
Epoch 231: val_loss did not improve from 0.63275
11/11 [=====] - 0s 6ms/step - loss: 0.6420 - accuracy: 0.
5891 - val_loss: 0.6385 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 232/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6801 - accuracy: 0.5312
Epoch 232: val_loss did not improve from 0.63275
11/11 [=====] - 0s 6ms/step - loss: 0.6384 - accuracy: 0.
6236 - val_loss: 0.6423 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 233/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5975 - accuracy: 0.6562
Epoch 233: val_loss did not improve from 0.63275
11/11 [=====] - 0s 9ms/step - loss: 0.6390 - accuracy: 0.
6034 - val_loss: 0.6482 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 234/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6003 - accuracy: 0.7188
Epoch 234: val_loss did not improve from 0.63275
11/11 [=====] - 0s 8ms/step - loss: 0.6397 - accuracy: 0.
6121 - val_loss: 0.6390 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 235/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6270 - accuracy: 0.6562
Epoch 235: val_loss did not improve from 0.63275
11/11 [=====] - 0s 7ms/step - loss: 0.6382 - accuracy: 0.
5862 - val_loss: 0.6335 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 236/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6596 - accuracy: 0.5625
Epoch 236: val_loss did not improve from 0.63275
11/11 [=====] - 0s 7ms/step - loss: 0.6409 - accuracy: 0.
5891 - val_loss: 0.6342 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 237/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6287 - accuracy: 0.7188
Epoch 237: val_loss did not improve from 0.63275
11/11 [=====] - 0s 8ms/step - loss: 0.6418 - accuracy: 0.
6322 - val_loss: 0.6395 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 238/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5928 - accuracy: 0.7500
Epoch 238: val_loss did not improve from 0.63275
11/11 [=====] - 0s 7ms/step - loss: 0.6378 - accuracy: 0.
5517 - val_loss: 0.6370 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 239/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6418 - accuracy: 0.4688
Epoch 239: val_loss improved from 0.63275 to 0.62851, saving model to tmp/Weights-
239--0.62851.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6373 - accuracy: 0.
5948 - val_loss: 0.6285 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 240/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6682 - accuracy: 0.4688
Epoch 240: val_loss did not improve from 0.62851
11/11 [=====] - 0s 7ms/step - loss: 0.6357 - accuracy: 0.
5920 - val_loss: 0.6452 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 241/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6366 - accuracy: 0.6562
Epoch 241: val_loss did not improve from 0.62851
11/11 [=====] - 0s 7ms/step - loss: 0.6383 - accuracy: 0.
5891 - val_loss: 0.6430 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 242/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6553 - accuracy: 0.5938
Epoch 242: val_loss did not improve from 0.62851
11/11 [=====] - 0s 7ms/step - loss: 0.6377 - accuracy: 0.
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6178 - val_loss: 0.6447 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 243/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6394 - accuracy: 0.6250
Epoch 243: val_loss did not improve from 0.62851
11/11 [=====] - 0s 8ms/step - loss: 0.6391 - accuracy: 0.
5948 - val_loss: 0.6288 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 244/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6653 - accuracy: 0.5312
Epoch 244: val_loss did not improve from 0.62851
11/11 [=====] - 0s 8ms/step - loss: 0.6348 - accuracy: 0.
5345 - val_loss: 0.6441 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 245/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6364 - accuracy: 0.6250
Epoch 245: val_loss did not improve from 0.62851
11/11 [=====] - 0s 8ms/step - loss: 0.6396 - accuracy: 0.
6293 - val_loss: 0.6554 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 246/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6653 - accuracy: 0.5625
Epoch 246: val_loss did not improve from 0.62851
11/11 [=====] - 0s 7ms/step - loss: 0.6486 - accuracy: 0.
6207 - val_loss: 0.6515 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 247/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6017 - accuracy: 0.6562
Epoch 247: val_loss did not improve from 0.62851
11/11 [=====] - 0s 8ms/step - loss: 0.6375 - accuracy: 0.
5977 - val_loss: 0.6369 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 248/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6526 - accuracy: 0.5312
Epoch 248: val_loss improved from 0.62851 to 0.62672, saving model to tmp/Weights-
248--0.62672.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6355 - accuracy: 0.
6121 - val_loss: 0.6267 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 249/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6498 - accuracy: 0.5938
Epoch 249: val_loss did not improve from 0.62672
11/11 [=====] - 0s 7ms/step - loss: 0.6347 - accuracy: 0.
6034 - val_loss: 0.6390 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 250/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6547 - accuracy: 0.5000
Epoch 250: val_loss did not improve from 0.62672
11/11 [=====] - 0s 7ms/step - loss: 0.6359 - accuracy: 0.
5891 - val_loss: 0.6315 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 251/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6790 - accuracy: 0.6250
Epoch 251: val_loss did not improve from 0.62672
11/11 [=====] - 0s 8ms/step - loss: 0.6366 - accuracy: 0.
6236 - val_loss: 0.6353 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 252/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5894 - accuracy: 0.6875
Epoch 252: val_loss did not improve from 0.62672
11/11 [=====] - 0s 8ms/step - loss: 0.6363 - accuracy: 0.
6121 - val_loss: 0.6332 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 253/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6507 - accuracy: 0.6562
Epoch 253: val_loss did not improve from 0.62672
11/11 [=====] - 0s 8ms/step - loss: 0.6379 - accuracy: 0.
6236 - val_loss: 0.6357 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 254/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6308 - accuracy: 0.5938
Epoch 254: val_loss did not improve from 0.62672
11/11 [=====] - 0s 7ms/step - loss: 0.6356 - accuracy: 0.
6207 - val_loss: 0.6375 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 255/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5907 - accuracy: 0.6250
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Epoch 255: val_loss did not improve from 0.62672
11/11 [=====] - 0s 7ms/step - loss: 0.6363 - accuracy: 0.
5805 - val_loss: 0.6454 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 256/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5711 - accuracy: 0.5938
Epoch 256: val_loss did not improve from 0.62672
11/11 [=====] - 0s 7ms/step - loss: 0.6385 - accuracy: 0.
5891 - val_loss: 0.6315 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 257/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6029 - accuracy: 0.7500
Epoch 257: val_loss did not improve from 0.62672
11/11 [=====] - 0s 7ms/step - loss: 0.6396 - accuracy: 0.
6236 - val_loss: 0.6380 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 258/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6654 - accuracy: 0.5938
Epoch 258: val_loss did not improve from 0.62672
11/11 [=====] - 0s 8ms/step - loss: 0.6360 - accuracy: 0.
5661 - val_loss: 0.6370 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 259/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6187 - accuracy: 0.5938
Epoch 259: val_loss did not improve from 0.62672
11/11 [=====] - 0s 6ms/step - loss: 0.6353 - accuracy: 0.
5374 - val_loss: 0.6331 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 260/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5776 - accuracy: 0.7500
Epoch 260: val_loss did not improve from 0.62672
11/11 [=====] - 0s 7ms/step - loss: 0.6335 - accuracy: 0.
6063 - val_loss: 0.6348 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 261/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6413 - accuracy: 0.5625
Epoch 261: val_loss did not improve from 0.62672
11/11 [=====] - 0s 7ms/step - loss: 0.6356 - accuracy: 0.
5460 - val_loss: 0.6337 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 262/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6901 - accuracy: 0.3438
Epoch 262: val_loss did not improve from 0.62672
11/11 [=====] - 0s 6ms/step - loss: 0.6400 - accuracy: 0.
5862 - val_loss: 0.6350 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 263/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6784 - accuracy: 0.4688
Epoch 263: val_loss did not improve from 0.62672
11/11 [=====] - 0s 7ms/step - loss: 0.6382 - accuracy: 0.
5402 - val_loss: 0.6376 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 264/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6760 - accuracy: 0.5000
Epoch 264: val_loss did not improve from 0.62672
11/11 [=====] - 0s 7ms/step - loss: 0.6379 - accuracy: 0.
5977 - val_loss: 0.6357 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 265/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6836 - accuracy: 0.5312
Epoch 265: val_loss did not improve from 0.62672
11/11 [=====] - 0s 7ms/step - loss: 0.6342 - accuracy: 0.
6034 - val_loss: 0.6462 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 266/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6193 - accuracy: 0.5938
Epoch 266: val_loss did not improve from 0.62672
11/11 [=====] - 0s 8ms/step - loss: 0.6339 - accuracy: 0.
5431 - val_loss: 0.6377 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 267/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5440 - accuracy: 0.6562
Epoch 267: val_loss did not improve from 0.62672
11/11 [=====] - 0s 8ms/step - loss: 0.6388 - accuracy: 0.
5920 - val_loss: 0.6356 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 268/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6994 - accuracy: 0.5312
Epoch 268: val_loss did not improve from 0.62672
11/11 [=====] - 0s 7ms/step - loss: 0.6405 - accuracy: 0.
5517 - val_loss: 0.6478 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 269/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6049 - accuracy: 0.5000
Epoch 269: val_loss did not improve from 0.62672
11/11 [=====] - 0s 7ms/step - loss: 0.6432 - accuracy: 0.
5489 - val_loss: 0.6421 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 270/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6059 - accuracy: 0.6250
Epoch 270: val_loss did not improve from 0.62672
11/11 [=====] - 0s 7ms/step - loss: 0.6368 - accuracy: 0.
5575 - val_loss: 0.6422 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 271/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5837 - accuracy: 0.4688
Epoch 271: val_loss did not improve from 0.62672
11/11 [=====] - 0s 7ms/step - loss: 0.6354 - accuracy: 0.
6006 - val_loss: 0.6416 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 272/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6702 - accuracy: 0.5000
Epoch 272: val_loss did not improve from 0.62672
11/11 [=====] - 0s 8ms/step - loss: 0.6337 - accuracy: 0.
6236 - val_loss: 0.6274 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 273/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6272 - accuracy: 0.7188
Epoch 273: val_loss did not improve from 0.62672
11/11 [=====] - 0s 7ms/step - loss: 0.6324 - accuracy: 0.
5977 - val_loss: 0.6379 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 274/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6226 - accuracy: 0.5312
Epoch 274: val_loss did not improve from 0.62672
11/11 [=====] - 0s 7ms/step - loss: 0.6334 - accuracy: 0.
5690 - val_loss: 0.6278 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 275/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6064 - accuracy: 0.5938
Epoch 275: val_loss improved from 0.62672 to 0.62185, saving model to tmp/Weights-275--0.62185.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6322 - accuracy: 0.
5690 - val_loss: 0.6219 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 276/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6390 - accuracy: 0.5625
Epoch 276: val_loss did not improve from 0.62185
11/11 [=====] - 0s 8ms/step - loss: 0.6333 - accuracy: 0.
5546 - val_loss: 0.6375 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 277/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6071 - accuracy: 0.6250
Epoch 277: val_loss did not improve from 0.62185
11/11 [=====] - 0s 9ms/step - loss: 0.6346 - accuracy: 0.
6034 - val_loss: 0.6277 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 278/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6624 - accuracy: 0.5000
Epoch 278: val_loss did not improve from 0.62185
11/11 [=====] - 0s 8ms/step - loss: 0.6343 - accuracy: 0.
5833 - val_loss: 0.6391 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 279/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6560 - accuracy: 0.4375
Epoch 279: val_loss did not improve from 0.62185
11/11 [=====] - 0s 8ms/step - loss: 0.6331 - accuracy: 0.
5805 - val_loss: 0.6253 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 280/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6595 - accuracy: 0.6562
Epoch 280: val_loss did not improve from 0.62185
11/11 [=====] - 0s 8ms/step - loss: 0.6326 - accuracy: 0.
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6351 - val_loss: 0.6265 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 281/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5948 - accuracy: 0.6250
Epoch 281: val_loss did not improve from 0.62185
11/11 [=====] - 0s 7ms/step - loss: 0.6337 - accuracy: 0.
5603 - val_loss: 0.6244 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 282/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5952 - accuracy: 0.6250
Epoch 282: val_loss did not improve from 0.62185
11/11 [=====] - 0s 8ms/step - loss: 0.6309 - accuracy: 0.
5718 - val_loss: 0.6436 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 283/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6178 - accuracy: 0.5938
Epoch 283: val_loss did not improve from 0.62185
11/11 [=====] - 0s 7ms/step - loss: 0.6315 - accuracy: 0.
5776 - val_loss: 0.6287 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 284/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5753 - accuracy: 0.7812
Epoch 284: val_loss did not improve from 0.62185
11/11 [=====] - 0s 6ms/step - loss: 0.6324 - accuracy: 0.
6264 - val_loss: 0.6241 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 285/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6554 - accuracy: 0.5625
Epoch 285: val_loss did not improve from 0.62185
11/11 [=====] - 0s 7ms/step - loss: 0.6329 - accuracy: 0.
5977 - val_loss: 0.6457 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 286/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6611 - accuracy: 0.4688
Epoch 286: val_loss did not improve from 0.62185
11/11 [=====] - 0s 7ms/step - loss: 0.6324 - accuracy: 0.
5575 - val_loss: 0.6292 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 287/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6777 - accuracy: 0.5312
Epoch 287: val_loss did not improve from 0.62185
11/11 [=====] - 0s 7ms/step - loss: 0.6319 - accuracy: 0.
6149 - val_loss: 0.6243 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 288/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5988 - accuracy: 0.7188
Epoch 288: val_loss did not improve from 0.62185
11/11 [=====] - 0s 8ms/step - loss: 0.6309 - accuracy: 0.
6437 - val_loss: 0.6309 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 289/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6297 - accuracy: 0.6562
Epoch 289: val_loss did not improve from 0.62185
11/11 [=====] - 0s 8ms/step - loss: 0.6330 - accuracy: 0.
5776 - val_loss: 0.6468 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 290/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6548 - accuracy: 0.6562
Epoch 290: val_loss did not improve from 0.62185
11/11 [=====] - 0s 8ms/step - loss: 0.6397 - accuracy: 0.
6006 - val_loss: 0.6289 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 291/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6311 - accuracy: 0.7188
Epoch 291: val_loss did not improve from 0.62185
11/11 [=====] - 0s 7ms/step - loss: 0.6385 - accuracy: 0.
5948 - val_loss: 0.6458 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 292/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7118 - accuracy: 0.3750
Epoch 292: val_loss did not improve from 0.62185
11/11 [=====] - 0s 8ms/step - loss: 0.6350 - accuracy: 0.
5575 - val_loss: 0.6454 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 293/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5546 - accuracy: 0.7500
Epoch 293: val_loss did not improve from 0.62185
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11/11 [=====] - 0s 7ms/step - loss: 0.6330 - accuracy: 0.  
5661 - val_loss: 0.6358 - val_accuracy: 0.5733 - lr: 0.0090  
Epoch 294/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6434 - accuracy: 0.5312  
Epoch 294: val_loss improved from 0.62185 to 0.62059, saving model to tmp/Weights-  
294--0.62059.hdf5  
11/11 [=====] - 0s 11ms/step - loss: 0.6306 - accuracy:  
0.6063 - val_loss: 0.6206 - val_accuracy: 0.5800 - lr: 0.0090  
Epoch 295/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6191 - accuracy: 0.6875  
Epoch 295: val_loss did not improve from 0.62059  
11/11 [=====] - 0s 6ms/step - loss: 0.6310 - accuracy: 0.  
5747 - val_loss: 0.6360 - val_accuracy: 0.5800 - lr: 0.0090  
Epoch 296/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6520 - accuracy: 0.5938  
Epoch 296: val_loss did not improve from 0.62059  
11/11 [=====] - 0s 7ms/step - loss: 0.6301 - accuracy: 0.  
5603 - val_loss: 0.6331 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 297/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5982 - accuracy: 0.7188  
Epoch 297: val_loss did not improve from 0.62059  
11/11 [=====] - 0s 8ms/step - loss: 0.6320 - accuracy: 0.  
6207 - val_loss: 0.6382 - val_accuracy: 0.6000 - lr: 0.0090  
Epoch 298/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6245 - accuracy: 0.7188  
Epoch 298: val_loss did not improve from 0.62059  
11/11 [=====] - 0s 6ms/step - loss: 0.6325 - accuracy: 0.  
6264 - val_loss: 0.6234 - val_accuracy: 0.6000 - lr: 0.0090  
Epoch 299/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6252 - accuracy: 0.5625  
Epoch 299: val_loss did not improve from 0.62059  
11/11 [=====] - 0s 7ms/step - loss: 0.6290 - accuracy: 0.  
6034 - val_loss: 0.6425 - val_accuracy: 0.5800 - lr: 0.0090  
Epoch 300/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6088 - accuracy: 0.6875  
Epoch 300: val_loss did not improve from 0.62059  
11/11 [=====] - 0s 7ms/step - loss: 0.6303 - accuracy: 0.  
5517 - val_loss: 0.6289 - val_accuracy: 0.5867 - lr: 0.0090  
Epoch 301/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5643 - accuracy: 0.5625  
Epoch 301: val_loss improved from 0.62059 to 0.61679, saving model to tmp/Weights-  
301--0.61679.hdf5  
11/11 [=====] - 0s 10ms/step - loss: 0.6310 - accuracy:  
0.5833 - val_loss: 0.6168 - val_accuracy: 0.6400 - lr: 0.0090  
Epoch 302/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6279 - accuracy: 0.6562  
Epoch 302: val_loss did not improve from 0.61679  
11/11 [=====] - 0s 8ms/step - loss: 0.6291 - accuracy: 0.  
6092 - val_loss: 0.6319 - val_accuracy: 0.5933 - lr: 0.0090  
Epoch 303/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6478 - accuracy: 0.5312  
Epoch 303: val_loss did not improve from 0.61679  
11/11 [=====] - 0s 8ms/step - loss: 0.6318 - accuracy: 0.  
5690 - val_loss: 0.6349 - val_accuracy: 0.6000 - lr: 0.0090  
Epoch 304/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6155 - accuracy: 0.5938  
Epoch 304: val_loss did not improve from 0.61679  
11/11 [=====] - 0s 8ms/step - loss: 0.6341 - accuracy: 0.  
5920 - val_loss: 0.6190 - val_accuracy: 0.6333 - lr: 0.0090  
Epoch 305/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5985 - accuracy: 0.6562  
Epoch 305: val_loss did not improve from 0.61679  
11/11 [=====] - 0s 7ms/step - loss: 0.6306 - accuracy: 0.  
5891 - val_loss: 0.6549 - val_accuracy: 0.5067 - lr: 0.0090
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Epoch 306/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7172 - accuracy: 0.4062
Epoch 306: val_loss did not improve from 0.61679
11/11 [=====] - 0s 9ms/step - loss: 0.6365 - accuracy: 0.
6149 - val_loss: 0.6299 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 307/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5829 - accuracy: 0.6562
Epoch 307: val_loss did not improve from 0.61679
11/11 [=====] - 0s 6ms/step - loss: 0.6325 - accuracy: 0.
5603 - val_loss: 0.6433 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 308/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6919 - accuracy: 0.4375
Epoch 308: val_loss did not improve from 0.61679
11/11 [=====] - 0s 7ms/step - loss: 0.6331 - accuracy: 0.
5661 - val_loss: 0.6303 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 309/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6377 - accuracy: 0.5312
Epoch 309: val_loss did not improve from 0.61679
11/11 [=====] - 0s 8ms/step - loss: 0.6356 - accuracy: 0.
5776 - val_loss: 0.6504 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 310/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6093 - accuracy: 0.6250
Epoch 310: val_loss did not improve from 0.61679
11/11 [=====] - 0s 7ms/step - loss: 0.6322 - accuracy: 0.
5747 - val_loss: 0.6402 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 311/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6517 - accuracy: 0.5938
Epoch 311: val_loss did not improve from 0.61679
11/11 [=====] - 0s 9ms/step - loss: 0.6287 - accuracy: 0.
5661 - val_loss: 0.6277 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 312/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5919 - accuracy: 0.5938
Epoch 312: val_loss did not improve from 0.61679
11/11 [=====] - 0s 9ms/step - loss: 0.6306 - accuracy: 0.
6207 - val_loss: 0.6334 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 313/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5772 - accuracy: 0.6875
Epoch 313: val_loss did not improve from 0.61679
11/11 [=====] - 0s 9ms/step - loss: 0.6288 - accuracy: 0.
5920 - val_loss: 0.6265 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 314/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5958 - accuracy: 0.6250
Epoch 314: val_loss did not improve from 0.61679
11/11 [=====] - 0s 7ms/step - loss: 0.6298 - accuracy: 0.
5747 - val_loss: 0.6404 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 315/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6333 - accuracy: 0.6875
Epoch 315: val_loss did not improve from 0.61679
11/11 [=====] - 0s 7ms/step - loss: 0.6288 - accuracy: 0.
6092 - val_loss: 0.6366 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 316/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6509 - accuracy: 0.5312
Epoch 316: val_loss did not improve from 0.61679
11/11 [=====] - 0s 9ms/step - loss: 0.6297 - accuracy: 0.
5833 - val_loss: 0.6225 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 317/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5775 - accuracy: 0.6250
Epoch 317: val_loss did not improve from 0.61679
11/11 [=====] - 0s 8ms/step - loss: 0.6273 - accuracy: 0.
5862 - val_loss: 0.6267 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 318/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6250 - accuracy: 0.5312
Epoch 318: val_loss did not improve from 0.61679
11/11 [=====] - 0s 8ms/step - loss: 0.6282 - accuracy: 0.
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5948 - val_loss: 0.6331 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 319/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6094 - accuracy: 0.6562
Epoch 319: val_loss did not improve from 0.61679
11/11 [=====] - 0s 8ms/step - loss: 0.6277 - accuracy: 0.
5833 - val_loss: 0.6367 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 320/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6178 - accuracy: 0.5625
Epoch 320: val_loss did not improve from 0.61679
11/11 [=====] - 0s 7ms/step - loss: 0.6284 - accuracy: 0.
5862 - val_loss: 0.6223 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 321/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6877 - accuracy: 0.4375
Epoch 321: val_loss did not improve from 0.61679
11/11 [=====] - 0s 7ms/step - loss: 0.6278 - accuracy: 0.
5517 - val_loss: 0.6382 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 322/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6693 - accuracy: 0.6250
Epoch 322: val_loss did not improve from 0.61679
11/11 [=====] - 0s 7ms/step - loss: 0.6311 - accuracy: 0.
6379 - val_loss: 0.6412 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 323/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6209 - accuracy: 0.6562
Epoch 323: val_loss did not improve from 0.61679
11/11 [=====] - 0s 7ms/step - loss: 0.6292 - accuracy: 0.
6092 - val_loss: 0.6423 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 324/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6346 - accuracy: 0.5625
Epoch 324: val_loss did not improve from 0.61679
11/11 [=====] - 0s 9ms/step - loss: 0.6296 - accuracy: 0.
5690 - val_loss: 0.6252 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 325/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6484 - accuracy: 0.5000
Epoch 325: val_loss did not improve from 0.61679
11/11 [=====] - 0s 7ms/step - loss: 0.6283 - accuracy: 0.
5661 - val_loss: 0.6269 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 326/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6124 - accuracy: 0.5625
Epoch 326: val_loss did not improve from 0.61679
11/11 [=====] - 0s 7ms/step - loss: 0.6270 - accuracy: 0.
6264 - val_loss: 0.6233 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 327/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6880 - accuracy: 0.5938
Epoch 327: val_loss did not improve from 0.61679
11/11 [=====] - 0s 7ms/step - loss: 0.6272 - accuracy: 0.
5747 - val_loss: 0.6312 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 328/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6520 - accuracy: 0.4375
Epoch 328: val_loss did not improve from 0.61679
11/11 [=====] - 0s 7ms/step - loss: 0.6281 - accuracy: 0.
5632 - val_loss: 0.6271 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 329/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6252 - accuracy: 0.6562
Epoch 329: val_loss did not improve from 0.61679
11/11 [=====] - 0s 7ms/step - loss: 0.6269 - accuracy: 0.
5920 - val_loss: 0.6383 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 330/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5588 - accuracy: 0.6250
Epoch 330: val_loss did not improve from 0.61679
11/11 [=====] - 0s 7ms/step - loss: 0.6287 - accuracy: 0.
5776 - val_loss: 0.6294 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 331/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6306 - accuracy: 0.5938
Epoch 331: val_loss did not improve from 0.61679
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11/11 [=====] - 0s 7ms/step - loss: 0.6266 - accuracy: 0.  
5747 - val_loss: 0.6282 - val_accuracy: 0.5467 - lr: 0.0090  
Epoch 332/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5900 - accuracy: 0.7500  
Epoch 332: val_loss did not improve from 0.61679  
11/11 [=====] - 0s 7ms/step - loss: 0.6272 - accuracy: 0.  
6063 - val_loss: 0.6244 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 333/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6408 - accuracy: 0.5625  
Epoch 333: val_loss did not improve from 0.61679  
11/11 [=====] - 0s 7ms/step - loss: 0.6273 - accuracy: 0.  
5718 - val_loss: 0.6359 - val_accuracy: 0.5933 - lr: 0.0090  
Epoch 334/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6290 - accuracy: 0.5938  
Epoch 334: val_loss did not improve from 0.61679  
11/11 [=====] - 0s 8ms/step - loss: 0.6274 - accuracy: 0.  
5776 - val_loss: 0.6343 - val_accuracy: 0.5800 - lr: 0.0090  
Epoch 335/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6370 - accuracy: 0.5938  
Epoch 335: val_loss did not improve from 0.61679  
11/11 [=====] - 0s 8ms/step - loss: 0.6273 - accuracy: 0.  
6379 - val_loss: 0.6291 - val_accuracy: 0.5867 - lr: 0.0090  
Epoch 336/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5874 - accuracy: 0.6250  
Epoch 336: val_loss did not improve from 0.61679  
11/11 [=====] - 0s 7ms/step - loss: 0.6275 - accuracy: 0.  
5661 - val_loss: 0.6280 - val_accuracy: 0.5533 - lr: 0.0090  
Epoch 337/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6381 - accuracy: 0.5938  
Epoch 337: val_loss did not improve from 0.61679  
11/11 [=====] - 0s 7ms/step - loss: 0.6270 - accuracy: 0.  
5977 - val_loss: 0.6300 - val_accuracy: 0.5933 - lr: 0.0090  
Epoch 338/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6448 - accuracy: 0.6562  
Epoch 338: val_loss did not improve from 0.61679  
11/11 [=====] - 0s 8ms/step - loss: 0.6277 - accuracy: 0.  
5920 - val_loss: 0.6513 - val_accuracy: 0.5267 - lr: 0.0090  
Epoch 339/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6277 - accuracy: 0.5938  
Epoch 339: val_loss did not improve from 0.61679  
11/11 [=====] - 0s 9ms/step - loss: 0.6270 - accuracy: 0.  
5460 - val_loss: 0.6205 - val_accuracy: 0.5933 - lr: 0.0090  
Epoch 340/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6063 - accuracy: 0.6250  
Epoch 340: val_loss did not improve from 0.61679  
11/11 [=====] - 0s 7ms/step - loss: 0.6271 - accuracy: 0.  
5517 - val_loss: 0.6270 - val_accuracy: 0.5467 - lr: 0.0090  
Epoch 341/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6386 - accuracy: 0.5938  
Epoch 341: val_loss did not improve from 0.61679  
11/11 [=====] - 0s 7ms/step - loss: 0.6298 - accuracy: 0.  
5603 - val_loss: 0.6332 - val_accuracy: 0.6000 - lr: 0.0090  
Epoch 342/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6439 - accuracy: 0.5938  
Epoch 342: val_loss did not improve from 0.61679  
11/11 [=====] - 0s 7ms/step - loss: 0.6251 - accuracy: 0.  
5948 - val_loss: 0.6367 - val_accuracy: 0.5733 - lr: 0.0090  
Epoch 343/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5944 - accuracy: 0.6562  
Epoch 343: val_loss did not improve from 0.61679  
11/11 [=====] - 0s 7ms/step - loss: 0.6281 - accuracy: 0.  
5517 - val_loss: 0.6192 - val_accuracy: 0.6000 - lr: 0.0090  
Epoch 344/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5711 - accuracy: 0.5938
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Epoch 344: val_loss did not improve from 0.61679
11/11 [=====] - 0s 8ms/step - loss: 0.6289 - accuracy: 0.
5690 - val_loss: 0.6419 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 345/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6729 - accuracy: 0.4688
Epoch 345: val_loss did not improve from 0.61679
11/11 [=====] - 0s 8ms/step - loss: 0.6297 - accuracy: 0.
5575 - val_loss: 0.6366 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 346/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6530 - accuracy: 0.6250
Epoch 346: val_loss did not improve from 0.61679
11/11 [=====] - 0s 7ms/step - loss: 0.6288 - accuracy: 0.
5862 - val_loss: 0.6191 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 347/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6693 - accuracy: 0.5312
Epoch 347: val_loss did not improve from 0.61679
11/11 [=====] - 0s 7ms/step - loss: 0.6255 - accuracy: 0.
5833 - val_loss: 0.6288 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 348/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5908 - accuracy: 0.7188
Epoch 348: val_loss did not improve from 0.61679
11/11 [=====] - 0s 7ms/step - loss: 0.6271 - accuracy: 0.
5575 - val_loss: 0.6258 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 349/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6178 - accuracy: 0.6250
Epoch 349: val_loss did not improve from 0.61679
11/11 [=====] - 0s 7ms/step - loss: 0.6254 - accuracy: 0.
5776 - val_loss: 0.6303 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 350/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5969 - accuracy: 0.5312
Epoch 350: val_loss did not improve from 0.61679
11/11 [=====] - 0s 8ms/step - loss: 0.6253 - accuracy: 0.
5546 - val_loss: 0.6346 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 351/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7045 - accuracy: 0.4062
Epoch 351: val_loss did not improve from 0.61679

Epoch 351: ReduceLROnPlateau reducing learning rate to 0.006299999728798866.
11/11 [=====] - 0s 9ms/step - loss: 0.6274 - accuracy: 0.
5977 - val_loss: 0.6227 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 352/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6084 - accuracy: 0.6562
Epoch 352: val_loss did not improve from 0.61679
11/11 [=====] - 0s 7ms/step - loss: 0.6259 - accuracy: 0.
5690 - val_loss: 0.6407 - val_accuracy: 0.5333 - lr: 0.0063
Epoch 353/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6132 - accuracy: 0.6250
Epoch 353: val_loss did not improve from 0.61679
11/11 [=====] - 0s 7ms/step - loss: 0.6262 - accuracy: 0.
5718 - val_loss: 0.6330 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 354/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6627 - accuracy: 0.5625
Epoch 354: val_loss did not improve from 0.61679
11/11 [=====] - 0s 7ms/step - loss: 0.6261 - accuracy: 0.
5632 - val_loss: 0.6348 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 355/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6232 - accuracy: 0.5938
Epoch 355: val_loss did not improve from 0.61679
11/11 [=====] - 0s 7ms/step - loss: 0.6255 - accuracy: 0.
5402 - val_loss: 0.6334 - val_accuracy: 0.5733 - lr: 0.0063
Epoch 356/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6110 - accuracy: 0.5938
Epoch 356: val_loss did not improve from 0.61679
11/11 [=====] - 0s 8ms/step - loss: 0.6250 - accuracy: 0.
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5747 - val_loss: 0.6178 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 357/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6927 - accuracy: 0.5312
Epoch 357: val_loss did not improve from 0.61679
11/11 [=====] - 0s 7ms/step - loss: 0.6249 - accuracy: 0.
5632 - val_loss: 0.6232 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 358/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6580 - accuracy: 0.4375
Epoch 358: val_loss did not improve from 0.61679
11/11 [=====] - 0s 9ms/step - loss: 0.6247 - accuracy: 0.
5632 - val_loss: 0.6274 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 359/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5829 - accuracy: 0.5312
Epoch 359: val_loss did not improve from 0.61679
11/11 [=====] - 0s 8ms/step - loss: 0.6254 - accuracy: 0.
5805 - val_loss: 0.6224 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 360/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6096 - accuracy: 0.6250
Epoch 360: val_loss did not improve from 0.61679
11/11 [=====] - 0s 8ms/step - loss: 0.6262 - accuracy: 0.
5575 - val_loss: 0.6331 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 361/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6481 - accuracy: 0.5625
Epoch 361: val_loss did not improve from 0.61679
11/11 [=====] - 0s 9ms/step - loss: 0.6268 - accuracy: 0.
5776 - val_loss: 0.6201 - val_accuracy: 0.6000 - lr: 0.0063
Epoch 362/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6428 - accuracy: 0.7188
Epoch 362: val_loss did not improve from 0.61679
11/11 [=====] - 0s 7ms/step - loss: 0.6232 - accuracy: 0.
5948 - val_loss: 0.6262 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 363/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6486 - accuracy: 0.5000
Epoch 363: val_loss did not improve from 0.61679
11/11 [=====] - 0s 8ms/step - loss: 0.6257 - accuracy: 0.
5489 - val_loss: 0.6356 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 364/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6714 - accuracy: 0.3750
Epoch 364: val_loss did not improve from 0.61679
11/11 [=====] - 0s 9ms/step - loss: 0.6254 - accuracy: 0.
5546 - val_loss: 0.6329 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 365/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6422 - accuracy: 0.4688
Epoch 365: val_loss did not improve from 0.61679
11/11 [=====] - 0s 8ms/step - loss: 0.6274 - accuracy: 0.
5948 - val_loss: 0.6257 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 366/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6364 - accuracy: 0.5938
Epoch 366: val_loss did not improve from 0.61679
11/11 [=====] - 0s 8ms/step - loss: 0.6309 - accuracy: 0.
5747 - val_loss: 0.6513 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 367/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6077 - accuracy: 0.6562
Epoch 367: val_loss did not improve from 0.61679
11/11 [=====] - 0s 8ms/step - loss: 0.6265 - accuracy: 0.
5747 - val_loss: 0.6208 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 368/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5883 - accuracy: 0.5312
Epoch 368: val_loss did not improve from 0.61679
11/11 [=====] - 0s 7ms/step - loss: 0.6261 - accuracy: 0.
5862 - val_loss: 0.6350 - val_accuracy: 0.5667 - lr: 0.0063
Epoch 369/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6580 - accuracy: 0.4375
Epoch 369: val_loss did not improve from 0.61679
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11/11 [=====] - 0s 8ms/step - loss: 0.6282 - accuracy: 0.  
5661 - val_loss: 0.6251 - val_accuracy: 0.6000 - lr: 0.0063  
Epoch 370/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6032 - accuracy: 0.5625  
Epoch 370: val_loss did not improve from 0.61679  
11/11 [=====] - 0s 8ms/step - loss: 0.6257 - accuracy: 0.  
5575 - val_loss: 0.6284 - val_accuracy: 0.5600 - lr: 0.0063  
Epoch 371/1000  
11/11 [=====] - ETA: 0s - loss: 0.6239 - accuracy: 0.5603  
Epoch 371: val_loss did not improve from 0.61679  
11/11 [=====] - 0s 11ms/step - loss: 0.6239 - accuracy:  
0.5603 - val_loss: 0.6289 - val_accuracy: 0.5933 - lr: 0.0063  
Epoch 372/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5298 - accuracy: 0.6250  
Epoch 372: val_loss did not improve from 0.61679  
11/11 [=====] - 0s 8ms/step - loss: 0.6225 - accuracy: 0.  
5891 - val_loss: 0.6195 - val_accuracy: 0.6200 - lr: 0.0063  
Epoch 373/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6426 - accuracy: 0.5000  
Epoch 373: val_loss did not improve from 0.61679  
11/11 [=====] - 0s 8ms/step - loss: 0.6249 - accuracy: 0.  
5603 - val_loss: 0.6220 - val_accuracy: 0.5867 - lr: 0.0063  
Epoch 374/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5614 - accuracy: 0.5625  
Epoch 374: val_loss did not improve from 0.61679  
11/11 [=====] - 0s 7ms/step - loss: 0.6227 - accuracy: 0.  
5575 - val_loss: 0.6233 - val_accuracy: 0.5667 - lr: 0.0063  
Epoch 375/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6050 - accuracy: 0.5000  
Epoch 375: val_loss did not improve from 0.61679  
11/11 [=====] - 0s 6ms/step - loss: 0.6252 - accuracy: 0.  
5575 - val_loss: 0.6323 - val_accuracy: 0.6067 - lr: 0.0063  
Epoch 376/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6514 - accuracy: 0.5312  
Epoch 376: val_loss did not improve from 0.61679  
11/11 [=====] - 0s 8ms/step - loss: 0.6229 - accuracy: 0.  
5805 - val_loss: 0.6260 - val_accuracy: 0.5667 - lr: 0.0063  
Epoch 377/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5863 - accuracy: 0.5625  
Epoch 377: val_loss did not improve from 0.61679  
11/11 [=====] - 0s 7ms/step - loss: 0.6224 - accuracy: 0.  
5747 - val_loss: 0.6376 - val_accuracy: 0.5800 - lr: 0.0063  
Epoch 378/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6001 - accuracy: 0.5312  
Epoch 378: val_loss did not improve from 0.61679  
11/11 [=====] - 0s 8ms/step - loss: 0.6244 - accuracy: 0.  
5632 - val_loss: 0.6199 - val_accuracy: 0.5933 - lr: 0.0063  
Epoch 379/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6038 - accuracy: 0.6250  
Epoch 379: val_loss did not improve from 0.61679  
11/11 [=====] - 0s 8ms/step - loss: 0.6237 - accuracy: 0.  
6006 - val_loss: 0.6210 - val_accuracy: 0.6000 - lr: 0.0063  
Epoch 380/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6517 - accuracy: 0.5312  
Epoch 380: val_loss did not improve from 0.61679  
11/11 [=====] - 0s 9ms/step - loss: 0.6239 - accuracy: 0.  
5718 - val_loss: 0.6254 - val_accuracy: 0.5933 - lr: 0.0063  
Epoch 381/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7067 - accuracy: 0.4375  
Epoch 381: val_loss did not improve from 0.61679  
11/11 [=====] - 0s 8ms/step - loss: 0.6218 - accuracy: 0.  
5489 - val_loss: 0.6269 - val_accuracy: 0.5733 - lr: 0.0063  
Epoch 382/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7223 - accuracy: 0.3438
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Epoch 382: val_loss improved from 0.61679 to 0.61289, saving model to tmp/Weights--382--0.61289.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6227 - accuracy: 0.
5948 - val_loss: 0.6129 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 383/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6116 - accuracy: 0.6562
Epoch 383: val_loss did not improve from 0.61289
11/11 [=====] - 0s 8ms/step - loss: 0.6225 - accuracy: 0.
5833 - val_loss: 0.6279 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 384/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5831 - accuracy: 0.6562
Epoch 384: val_loss did not improve from 0.61289
11/11 [=====] - 0s 7ms/step - loss: 0.6225 - accuracy: 0.
5776 - val_loss: 0.6307 - val_accuracy: 0.5667 - lr: 0.0063
Epoch 385/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6196 - accuracy: 0.5938
Epoch 385: val_loss did not improve from 0.61289
11/11 [=====] - 0s 8ms/step - loss: 0.6254 - accuracy: 0.
5833 - val_loss: 0.6258 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 386/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6121 - accuracy: 0.5312
Epoch 386: val_loss did not improve from 0.61289
11/11 [=====] - 0s 7ms/step - loss: 0.6229 - accuracy: 0.
5891 - val_loss: 0.6202 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 387/1000
11/11 [=====] - ETA: 0s - loss: 0.6226 - accuracy: 0.5833
Epoch 387: val_loss did not improve from 0.61289
11/11 [=====] - 0s 9ms/step - loss: 0.6226 - accuracy: 0.
5833 - val_loss: 0.6262 - val_accuracy: 0.5667 - lr: 0.0063
Epoch 388/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6433 - accuracy: 0.5938
Epoch 388: val_loss did not improve from 0.61289
11/11 [=====] - 0s 8ms/step - loss: 0.6213 - accuracy: 0.
5517 - val_loss: 0.6278 - val_accuracy: 0.5733 - lr: 0.0063
Epoch 389/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6896 - accuracy: 0.4375
Epoch 389: val_loss did not improve from 0.61289
11/11 [=====] - 0s 8ms/step - loss: 0.6211 - accuracy: 0.
5632 - val_loss: 0.6198 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 390/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5278 - accuracy: 0.5625
Epoch 390: val_loss did not improve from 0.61289
11/11 [=====] - 0s 8ms/step - loss: 0.6221 - accuracy: 0.
5546 - val_loss: 0.6267 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 391/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6288 - accuracy: 0.6250
Epoch 391: val_loss did not improve from 0.61289
11/11 [=====] - 0s 8ms/step - loss: 0.6215 - accuracy: 0.
5747 - val_loss: 0.6392 - val_accuracy: 0.5467 - lr: 0.0063
Epoch 392/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6020 - accuracy: 0.6562
Epoch 392: val_loss did not improve from 0.61289
11/11 [=====] - 0s 8ms/step - loss: 0.6218 - accuracy: 0.
5690 - val_loss: 0.6253 - val_accuracy: 0.5733 - lr: 0.0063
Epoch 393/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6247 - accuracy: 0.5625
Epoch 393: val_loss did not improve from 0.61289
11/11 [=====] - 0s 9ms/step - loss: 0.6209 - accuracy: 0.
5977 - val_loss: 0.6273 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 394/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6857 - accuracy: 0.5312
Epoch 394: val_loss did not improve from 0.61289
11/11 [=====] - 0s 7ms/step - loss: 0.6211 - accuracy: 0.
5747 - val_loss: 0.6273 - val_accuracy: 0.6000 - lr: 0.0063
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Epoch 395/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5806 - accuracy: 0.6562
Epoch 395: val_loss did not improve from 0.61289
11/11 [=====] - 0s 7ms/step - loss: 0.6210 - accuracy: 0.
5747 - val_loss: 0.6219 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 396/1000
11/11 [=====] - ETA: 0s - loss: 0.6206 - accuracy: 0.5546
Epoch 396: val_loss did not improve from 0.61289
11/11 [=====] - 0s 9ms/step - loss: 0.6206 - accuracy: 0.
5546 - val_loss: 0.6321 - val_accuracy: 0.5667 - lr: 0.0063
Epoch 397/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6211 - accuracy: 0.5938
Epoch 397: val_loss did not improve from 0.61289
11/11 [=====] - 0s 8ms/step - loss: 0.6203 - accuracy: 0.
5546 - val_loss: 0.6184 - val_accuracy: 0.5733 - lr: 0.0063
Epoch 398/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6197 - accuracy: 0.5000
Epoch 398: val_loss did not improve from 0.61289
11/11 [=====] - 0s 8ms/step - loss: 0.6202 - accuracy: 0.
5489 - val_loss: 0.6320 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 399/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6374 - accuracy: 0.6250
Epoch 399: val_loss did not improve from 0.61289
11/11 [=====] - 0s 7ms/step - loss: 0.6214 - accuracy: 0.
5718 - val_loss: 0.6441 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 400/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6350 - accuracy: 0.6562
Epoch 400: val_loss did not improve from 0.61289
11/11 [=====] - 0s 7ms/step - loss: 0.6206 - accuracy: 0.
6063 - val_loss: 0.6289 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 401/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6225 - accuracy: 0.5312
Epoch 401: val_loss did not improve from 0.61289
11/11 [=====] - 0s 9ms/step - loss: 0.6214 - accuracy: 0.
6178 - val_loss: 0.6386 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 402/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5063 - accuracy: 0.7188
Epoch 402: val_loss did not improve from 0.61289
11/11 [=====] - 0s 8ms/step - loss: 0.6209 - accuracy: 0.
5661 - val_loss: 0.6282 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 403/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6803 - accuracy: 0.5000
Epoch 403: val_loss did not improve from 0.61289
11/11 [=====] - 0s 8ms/step - loss: 0.6223 - accuracy: 0.
5690 - val_loss: 0.6459 - val_accuracy: 0.5600 - lr: 0.0063
Epoch 404/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6405 - accuracy: 0.6562
Epoch 404: val_loss did not improve from 0.61289
11/11 [=====] - 0s 7ms/step - loss: 0.6271 - accuracy: 0.
5833 - val_loss: 0.6381 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 405/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6334 - accuracy: 0.6562
Epoch 405: val_loss did not improve from 0.61289
11/11 [=====] - 0s 7ms/step - loss: 0.6239 - accuracy: 0.
5776 - val_loss: 0.6181 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 406/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6272 - accuracy: 0.5000
Epoch 406: val_loss did not improve from 0.61289
11/11 [=====] - 0s 9ms/step - loss: 0.6225 - accuracy: 0.
5546 - val_loss: 0.6378 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 407/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5686 - accuracy: 0.6250
Epoch 407: val_loss did not improve from 0.61289
11/11 [=====] - 0s 8ms/step - loss: 0.6206 - accuracy: 0.
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5862 - val_loss: 0.6162 - val_accuracy: 0.6000 - lr: 0.0063
Epoch 408/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6668 - accuracy: 0.5312
Epoch 408: val_loss did not improve from 0.61289
11/11 [=====] - 0s 8ms/step - loss: 0.6209 - accuracy: 0.
5546 - val_loss: 0.6201 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 409/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6393 - accuracy: 0.7188
Epoch 409: val_loss did not improve from 0.61289
11/11 [=====] - 0s 8ms/step - loss: 0.6191 - accuracy: 0.
5747 - val_loss: 0.6357 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 410/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6423 - accuracy: 0.5312
Epoch 410: val_loss did not improve from 0.61289
11/11 [=====] - 0s 7ms/step - loss: 0.6187 - accuracy: 0.
5546 - val_loss: 0.6239 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 411/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5972 - accuracy: 0.6250
Epoch 411: val_loss did not improve from 0.61289
11/11 [=====] - 0s 9ms/step - loss: 0.6186 - accuracy: 0.
5546 - val_loss: 0.6264 - val_accuracy: 0.5533 - lr: 0.0063
Epoch 412/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5973 - accuracy: 0.5938
Epoch 412: val_loss did not improve from 0.61289
11/11 [=====] - 0s 9ms/step - loss: 0.6192 - accuracy: 0.
5517 - val_loss: 0.6266 - val_accuracy: 0.5667 - lr: 0.0063
Epoch 413/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5969 - accuracy: 0.5938
Epoch 413: val_loss did not improve from 0.61289
11/11 [=====] - 0s 10ms/step - loss: 0.6177 - accuracy:
0.5575 - val_loss: 0.6279 - val_accuracy: 0.5733 - lr: 0.0063
Epoch 414/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5833 - accuracy: 0.5625
Epoch 414: val_loss did not improve from 0.61289
11/11 [=====] - 0s 8ms/step - loss: 0.6205 - accuracy: 0.
5517 - val_loss: 0.6167 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 415/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6146 - accuracy: 0.5625
Epoch 415: val_loss did not improve from 0.61289
11/11 [=====] - 0s 7ms/step - loss: 0.6187 - accuracy: 0.
5517 - val_loss: 0.6358 - val_accuracy: 0.5533 - lr: 0.0063
Epoch 416/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6397 - accuracy: 0.4375
Epoch 416: val_loss did not improve from 0.61289
11/11 [=====] - 0s 7ms/step - loss: 0.6233 - accuracy: 0.
5977 - val_loss: 0.6402 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 417/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6062 - accuracy: 0.5625
Epoch 417: val_loss did not improve from 0.61289
11/11 [=====] - 0s 7ms/step - loss: 0.6196 - accuracy: 0.
6121 - val_loss: 0.6228 - val_accuracy: 0.5533 - lr: 0.0063
Epoch 418/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6822 - accuracy: 0.4375
Epoch 418: val_loss did not improve from 0.61289
11/11 [=====] - 0s 8ms/step - loss: 0.6260 - accuracy: 0.
6006 - val_loss: 0.6307 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 419/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5740 - accuracy: 0.5938
Epoch 419: val_loss did not improve from 0.61289
11/11 [=====] - 0s 8ms/step - loss: 0.6196 - accuracy: 0.
6006 - val_loss: 0.6292 - val_accuracy: 0.5533 - lr: 0.0063
Epoch 420/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5910 - accuracy: 0.5312
Epoch 420: val_loss did not improve from 0.61289
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11/11 [=====] - 0s 7ms/step - loss: 0.6183 - accuracy: 0.5747 - val_loss: 0.6214 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 421/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5524 - accuracy: 0.6562
Epoch 421: val_loss did not improve from 0.61289
11/11 [=====] - 0s 8ms/step - loss: 0.6172 - accuracy: 0.5690 - val_loss: 0.6206 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 422/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6501 - accuracy: 0.6250
Epoch 422: val_loss did not improve from 0.61289
11/11 [=====] - 0s 7ms/step - loss: 0.6171 - accuracy: 0.5489 - val_loss: 0.6201 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 423/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5821 - accuracy: 0.6875
Epoch 423: val_loss did not improve from 0.61289
11/11 [=====] - 0s 7ms/step - loss: 0.6169 - accuracy: 0.5575 - val_loss: 0.6209 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 424/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5930 - accuracy: 0.5625
Epoch 424: val_loss did not improve from 0.61289
11/11 [=====] - 0s 8ms/step - loss: 0.6203 - accuracy: 0.6034 - val_loss: 0.6386 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 425/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5923 - accuracy: 0.7500
Epoch 425: val_loss did not improve from 0.61289
11/11 [=====] - 0s 8ms/step - loss: 0.6174 - accuracy: 0.5661 - val_loss: 0.6154 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 426/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5951 - accuracy: 0.6562
Epoch 426: val_loss did not improve from 0.61289
11/11 [=====] - 0s 7ms/step - loss: 0.6164 - accuracy: 0.5632 - val_loss: 0.6169 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 427/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5689 - accuracy: 0.7188
Epoch 427: val_loss did not improve from 0.61289
11/11 [=====] - 0s 7ms/step - loss: 0.6169 - accuracy: 0.5977 - val_loss: 0.6220 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 428/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5574 - accuracy: 0.8438
Epoch 428: val_loss did not improve from 0.61289
11/11 [=====] - 0s 7ms/step - loss: 0.6179 - accuracy: 0.5575 - val_loss: 0.6403 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 429/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6304 - accuracy: 0.4688
Epoch 429: val_loss did not improve from 0.61289
11/11 [=====] - 0s 8ms/step - loss: 0.6180 - accuracy: 0.5948 - val_loss: 0.6213 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 430/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5654 - accuracy: 0.6875
Epoch 430: val_loss did not improve from 0.61289
11/11 [=====] - 0s 7ms/step - loss: 0.6176 - accuracy: 0.5546 - val_loss: 0.6274 - val_accuracy: 0.5667 - lr: 0.0063
Epoch 431/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5983 - accuracy: 0.5625
Epoch 431: val_loss did not improve from 0.61289
11/11 [=====] - 0s 7ms/step - loss: 0.6151 - accuracy: 0.5690 - val_loss: 0.6194 - val_accuracy: 0.5733 - lr: 0.0063
Epoch 432/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6576 - accuracy: 0.4688
Epoch 432: val_loss did not improve from 0.61289

Epoch 432: ReduceLROnPlateau reducing learning rate to 0.004409999679774046.
11/11 [=====] - 0s 8ms/step - loss: 0.6167 - accuracy: 0.5977 - val_loss: 0.6174 - val_accuracy: 0.6333 - lr: 0.0063
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Epoch 433/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5777 - accuracy: 0.7812
Epoch 433: val_loss did not improve from 0.61289
11/11 [=====] - 0s 7ms/step - loss: 0.6153 - accuracy: 0.
6264 - val_loss: 0.6320 - val_accuracy: 0.5733 - lr: 0.0044
Epoch 434/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5733 - accuracy: 0.6562
Epoch 434: val_loss did not improve from 0.61289
11/11 [=====] - 0s 7ms/step - loss: 0.6150 - accuracy: 0.
5690 - val_loss: 0.6264 - val_accuracy: 0.5733 - lr: 0.0044
Epoch 435/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6423 - accuracy: 0.5312
Epoch 435: val_loss did not improve from 0.61289
11/11 [=====] - 0s 7ms/step - loss: 0.6170 - accuracy: 0.
5805 - val_loss: 0.6197 - val_accuracy: 0.5733 - lr: 0.0044
Epoch 436/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6246 - accuracy: 0.5625
Epoch 436: val_loss did not improve from 0.61289
11/11 [=====] - 0s 8ms/step - loss: 0.6173 - accuracy: 0.
5891 - val_loss: 0.6240 - val_accuracy: 0.6267 - lr: 0.0044
Epoch 437/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5293 - accuracy: 0.7500
Epoch 437: val_loss did not improve from 0.61289
11/11 [=====] - 0s 7ms/step - loss: 0.6153 - accuracy: 0.
6063 - val_loss: 0.6354 - val_accuracy: 0.5467 - lr: 0.0044
Epoch 438/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6695 - accuracy: 0.4375
Epoch 438: val_loss did not improve from 0.61289
11/11 [=====] - 0s 8ms/step - loss: 0.6151 - accuracy: 0.
5632 - val_loss: 0.6238 - val_accuracy: 0.5933 - lr: 0.0044
Epoch 439/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6269 - accuracy: 0.5000
Epoch 439: val_loss did not improve from 0.61289
11/11 [=====] - 0s 7ms/step - loss: 0.6142 - accuracy: 0.
6063 - val_loss: 0.6301 - val_accuracy: 0.5867 - lr: 0.0044
Epoch 440/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6544 - accuracy: 0.4062
Epoch 440: val_loss did not improve from 0.61289
11/11 [=====] - 0s 8ms/step - loss: 0.6165 - accuracy: 0.
5661 - val_loss: 0.6307 - val_accuracy: 0.6200 - lr: 0.0044
Epoch 441/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6544 - accuracy: 0.6250
Epoch 441: val_loss did not improve from 0.61289
11/11 [=====] - 0s 9ms/step - loss: 0.6210 - accuracy: 0.
6121 - val_loss: 0.6214 - val_accuracy: 0.5733 - lr: 0.0044
Epoch 442/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6308 - accuracy: 0.5000
Epoch 442: val_loss did not improve from 0.61289
11/11 [=====] - 0s 8ms/step - loss: 0.6144 - accuracy: 0.
5632 - val_loss: 0.6259 - val_accuracy: 0.6000 - lr: 0.0044
Epoch 443/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4645 - accuracy: 0.7812
Epoch 443: val_loss did not improve from 0.61289
11/11 [=====] - 0s 8ms/step - loss: 0.6156 - accuracy: 0.
6408 - val_loss: 0.6239 - val_accuracy: 0.6067 - lr: 0.0044
Epoch 444/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5778 - accuracy: 0.6250
Epoch 444: val_loss did not improve from 0.61289
11/11 [=====] - 0s 9ms/step - loss: 0.6152 - accuracy: 0.
5718 - val_loss: 0.6148 - val_accuracy: 0.5667 - lr: 0.0044
Epoch 445/1000
11/11 [=====] - ETA: 0s - loss: 0.6129 - accuracy: 0.5603
Epoch 445: val_loss did not improve from 0.61289
11/11 [=====] - 0s 9ms/step - loss: 0.6129 - accuracy: 0.
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5603 - val_loss: 0.6257 - val_accuracy: 0.5800 - lr: 0.0044
Epoch 446/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5427 - accuracy: 0.6562
Epoch 446: val_loss did not improve from 0.61289
11/11 [=====] - 0s 8ms/step - loss: 0.6135 - accuracy: 0.
5690 - val_loss: 0.6203 - val_accuracy: 0.5800 - lr: 0.0044
Epoch 447/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5755 - accuracy: 0.6562
Epoch 447: val_loss did not improve from 0.61289
11/11 [=====] - 0s 8ms/step - loss: 0.6138 - accuracy: 0.
6063 - val_loss: 0.6236 - val_accuracy: 0.6067 - lr: 0.0044
Epoch 448/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6385 - accuracy: 0.4375
Epoch 448: val_loss did not improve from 0.61289
11/11 [=====] - 0s 7ms/step - loss: 0.6131 - accuracy: 0.
5690 - val_loss: 0.6165 - val_accuracy: 0.5933 - lr: 0.0044
Epoch 449/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5105 - accuracy: 0.7188
Epoch 449: val_loss did not improve from 0.61289
11/11 [=====] - 0s 7ms/step - loss: 0.6130 - accuracy: 0.
5661 - val_loss: 0.6222 - val_accuracy: 0.5733 - lr: 0.0044
Epoch 450/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6087 - accuracy: 0.6250
Epoch 450: val_loss did not improve from 0.61289
11/11 [=====] - 0s 8ms/step - loss: 0.6136 - accuracy: 0.
5718 - val_loss: 0.6451 - val_accuracy: 0.5467 - lr: 0.0044
Epoch 451/1000
11/11 [=====] - ETA: 0s - loss: 0.6150 - accuracy: 0.5718
Epoch 451: val_loss improved from 0.61289 to 0.60829, saving model to tmp/Weights-451--0.60829.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6150 - accuracy: 0.
5718 - val_loss: 0.6083 - val_accuracy: 0.6000 - lr: 0.0044
Epoch 452/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6472 - accuracy: 0.5625
Epoch 452: val_loss did not improve from 0.60829
11/11 [=====] - 0s 7ms/step - loss: 0.6136 - accuracy: 0.
6063 - val_loss: 0.6129 - val_accuracy: 0.6400 - lr: 0.0044
Epoch 453/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5906 - accuracy: 0.5625
Epoch 453: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6128 - accuracy: 0.
6351 - val_loss: 0.6242 - val_accuracy: 0.6200 - lr: 0.0044
Epoch 454/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5881 - accuracy: 0.7188
Epoch 454: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6127 - accuracy: 0.
6121 - val_loss: 0.6212 - val_accuracy: 0.5667 - lr: 0.0044
Epoch 455/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5108 - accuracy: 0.8125
Epoch 455: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6129 - accuracy: 0.
5632 - val_loss: 0.6288 - val_accuracy: 0.5733 - lr: 0.0044
Epoch 456/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5829 - accuracy: 0.5625
Epoch 456: val_loss did not improve from 0.60829
11/11 [=====] - 0s 9ms/step - loss: 0.6143 - accuracy: 0.
6006 - val_loss: 0.6319 - val_accuracy: 0.6200 - lr: 0.0044
Epoch 457/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5795 - accuracy: 0.6875
Epoch 457: val_loss did not improve from 0.60829
11/11 [=====] - 0s 9ms/step - loss: 0.6147 - accuracy: 0.
6351 - val_loss: 0.6202 - val_accuracy: 0.5667 - lr: 0.0044
Epoch 458/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6230 - accuracy: 0.5625
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Epoch 458: val_loss did not improve from 0.60829
11/11 [=====] - 0s 7ms/step - loss: 0.6119 - accuracy: 0.
5718 - val_loss: 0.6175 - val_accuracy: 0.6000 - lr: 0.0044
Epoch 459/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5736 - accuracy: 0.6875
Epoch 459: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6134 - accuracy: 0.
6322 - val_loss: 0.6241 - val_accuracy: 0.6267 - lr: 0.0044
Epoch 460/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5658 - accuracy: 0.6875
Epoch 460: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6130 - accuracy: 0.
6034 - val_loss: 0.6336 - val_accuracy: 0.5333 - lr: 0.0044
Epoch 461/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5765 - accuracy: 0.6562
Epoch 461: val_loss did not improve from 0.60829
11/11 [=====] - 0s 9ms/step - loss: 0.6113 - accuracy: 0.
5632 - val_loss: 0.6201 - val_accuracy: 0.5933 - lr: 0.0044
Epoch 462/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6771 - accuracy: 0.5625
Epoch 462: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6163 - accuracy: 0.
6178 - val_loss: 0.6240 - val_accuracy: 0.6200 - lr: 0.0044
Epoch 463/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6010 - accuracy: 0.5938
Epoch 463: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6146 - accuracy: 0.
5891 - val_loss: 0.6156 - val_accuracy: 0.5933 - lr: 0.0044
Epoch 464/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5694 - accuracy: 0.7188
Epoch 464: val_loss did not improve from 0.60829
11/11 [=====] - 0s 7ms/step - loss: 0.6125 - accuracy: 0.
5747 - val_loss: 0.6231 - val_accuracy: 0.6000 - lr: 0.0044
Epoch 465/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6220 - accuracy: 0.6875
Epoch 465: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6133 - accuracy: 0.
6293 - val_loss: 0.6242 - val_accuracy: 0.6267 - lr: 0.0044
Epoch 466/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6394 - accuracy: 0.5938
Epoch 466: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6137 - accuracy: 0.
6408 - val_loss: 0.6215 - val_accuracy: 0.6133 - lr: 0.0044
Epoch 467/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6141 - accuracy: 0.6562
Epoch 467: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6109 - accuracy: 0.
5920 - val_loss: 0.6214 - val_accuracy: 0.5667 - lr: 0.0044
Epoch 468/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6225 - accuracy: 0.7188
Epoch 468: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6104 - accuracy: 0.
6149 - val_loss: 0.6287 - val_accuracy: 0.6267 - lr: 0.0044
Epoch 469/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6201 - accuracy: 0.6250
Epoch 469: val_loss did not improve from 0.60829
11/11 [=====] - 0s 9ms/step - loss: 0.6110 - accuracy: 0.
6293 - val_loss: 0.6258 - val_accuracy: 0.5600 - lr: 0.0044
Epoch 470/1000
1/11 [=====] - ETA: 0s - loss: 0.6098 - accuracy: 0.5862
Epoch 470: val_loss did not improve from 0.60829
11/11 [=====] - 0s 10ms/step - loss: 0.6098 - accuracy:
0.5862 - val_loss: 0.6223 - val_accuracy: 0.5933 - lr: 0.0044
Epoch 471/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6384 - accuracy: 0.5625
Epoch 471: val_loss did not improve from 0.60829
11/11 [=====] - 0s 9ms/step - loss: 0.6102 - accuracy: 0.
6322 - val_loss: 0.6328 - val_accuracy: 0.5933 - lr: 0.0044
Epoch 472/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6203 - accuracy: 0.6562
Epoch 472: val_loss did not improve from 0.60829
11/11 [=====] - 0s 7ms/step - loss: 0.6131 - accuracy: 0.
6351 - val_loss: 0.6269 - val_accuracy: 0.6267 - lr: 0.0044
Epoch 473/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6884 - accuracy: 0.5312
Epoch 473: val_loss did not improve from 0.60829
11/11 [=====] - 0s 7ms/step - loss: 0.6119 - accuracy: 0.
6322 - val_loss: 0.6151 - val_accuracy: 0.6000 - lr: 0.0044
Epoch 474/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6890 - accuracy: 0.5625
Epoch 474: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6115 - accuracy: 0.
5805 - val_loss: 0.6382 - val_accuracy: 0.5533 - lr: 0.0044
Epoch 475/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6099 - accuracy: 0.5312
Epoch 475: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6100 - accuracy: 0.
5948 - val_loss: 0.6243 - val_accuracy: 0.6200 - lr: 0.0044
Epoch 476/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6530 - accuracy: 0.6250
Epoch 476: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6089 - accuracy: 0.
6092 - val_loss: 0.6213 - val_accuracy: 0.5733 - lr: 0.0044
Epoch 477/1000
11/11 [=====] - ETA: 0s - loss: 0.6097 - accuracy: 0.6092
Epoch 477: val_loss did not improve from 0.60829
11/11 [=====] - 0s 9ms/step - loss: 0.6097 - accuracy: 0.
6092 - val_loss: 0.6225 - val_accuracy: 0.6200 - lr: 0.0044
Epoch 478/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6407 - accuracy: 0.5938
Epoch 478: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6091 - accuracy: 0.
6466 - val_loss: 0.6164 - val_accuracy: 0.6067 - lr: 0.0044
Epoch 479/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6742 - accuracy: 0.4688
Epoch 479: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6087 - accuracy: 0.
6092 - val_loss: 0.6147 - val_accuracy: 0.5933 - lr: 0.0044
Epoch 480/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6032 - accuracy: 0.5938
Epoch 480: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6086 - accuracy: 0.
6006 - val_loss: 0.6166 - val_accuracy: 0.5867 - lr: 0.0044
Epoch 481/1000
11/11 [=====] - ETA: 0s - loss: 0.6080 - accuracy: 0.5948
Epoch 481: val_loss did not improve from 0.60829
11/11 [=====] - 0s 10ms/step - loss: 0.6080 - accuracy:
0.5948 - val_loss: 0.6345 - val_accuracy: 0.5867 - lr: 0.0044
Epoch 482/1000
11/11 [=====] - ETA: 0s - loss: 0.6089 - accuracy: 0.6322
Epoch 482: val_loss did not improve from 0.60829
11/11 [=====] - 0s 9ms/step - loss: 0.6089 - accuracy: 0.
6322 - val_loss: 0.6250 - val_accuracy: 0.6133 - lr: 0.0044
Epoch 483/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5843 - accuracy: 0.6562
Epoch 483: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6095 - accuracy: 0.
6264 - val_loss: 0.6249 - val_accuracy: 0.6200 - lr: 0.0044
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Epoch 484/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5741 - accuracy: 0.6562
Epoch 484: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6090 - accuracy: 0.
6149 - val_loss: 0.6243 - val_accuracy: 0.5667 - lr: 0.0044
Epoch 485/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6425 - accuracy: 0.5625
Epoch 485: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6088 - accuracy: 0.
5805 - val_loss: 0.6182 - val_accuracy: 0.6133 - lr: 0.0044
Epoch 486/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6400 - accuracy: 0.5312
Epoch 486: val_loss did not improve from 0.60829
11/11 [=====] - 0s 7ms/step - loss: 0.6085 - accuracy: 0.
6437 - val_loss: 0.6245 - val_accuracy: 0.6133 - lr: 0.0044
Epoch 487/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6160 - accuracy: 0.6250
Epoch 487: val_loss did not improve from 0.60829
11/11 [=====] - 0s 7ms/step - loss: 0.6080 - accuracy: 0.
6437 - val_loss: 0.6249 - val_accuracy: 0.6067 - lr: 0.0044
Epoch 488/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6270 - accuracy: 0.5625
Epoch 488: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6081 - accuracy: 0.
6408 - val_loss: 0.6217 - val_accuracy: 0.5933 - lr: 0.0044
Epoch 489/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5837 - accuracy: 0.6562
Epoch 489: val_loss did not improve from 0.60829
11/11 [=====] - 0s 9ms/step - loss: 0.6070 - accuracy: 0.
5920 - val_loss: 0.6208 - val_accuracy: 0.5800 - lr: 0.0044
Epoch 490/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6151 - accuracy: 0.4375
Epoch 490: val_loss did not improve from 0.60829
11/11 [=====] - 0s 16ms/step - loss: 0.6069 - accuracy: 0.
6092 - val_loss: 0.6215 - val_accuracy: 0.6267 - lr: 0.0044
Epoch 491/1000
7/11 [=====>.....] - ETA: 0s - loss: 0.6038 - accuracy: 0.6116
Epoch 491: val_loss did not improve from 0.60829
11/11 [=====] - 0s 24ms/step - loss: 0.6092 - accuracy: 0.
5920 - val_loss: 0.6347 - val_accuracy: 0.5400 - lr: 0.0044
Epoch 492/1000
5/11 [=====>.....] - ETA: 0s - loss: 0.6044 - accuracy: 0.5875
Epoch 492: val_loss did not improve from 0.60829
11/11 [=====] - 0s 26ms/step - loss: 0.6072 - accuracy: 0.
6121 - val_loss: 0.6276 - val_accuracy: 0.6267 - lr: 0.0044
Epoch 493/1000
8/11 [=====>.....] - ETA: 0s - loss: 0.6036 - accuracy: 0.6445
Epoch 493: val_loss did not improve from 0.60829
11/11 [=====] - 0s 18ms/step - loss: 0.6091 - accuracy: 0.
6351 - val_loss: 0.6206 - val_accuracy: 0.6267 - lr: 0.0044
Epoch 494/1000
9/11 [=====>.....] - ETA: 0s - loss: 0.6111 - accuracy: 0.6285
Epoch 494: val_loss did not improve from 0.60829
11/11 [=====] - 0s 25ms/step - loss: 0.6081 - accuracy: 0.
6322 - val_loss: 0.6249 - val_accuracy: 0.6200 - lr: 0.0044
Epoch 495/1000
8/11 [=====>.....] - ETA: 0s - loss: 0.5947 - accuracy: 0.6484
Epoch 495: val_loss did not improve from 0.60829
11/11 [=====] - 0s 11ms/step - loss: 0.6079 - accuracy: 0.
6264 - val_loss: 0.6160 - val_accuracy: 0.5933 - lr: 0.0044
Epoch 496/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6447 - accuracy: 0.5312
Epoch 496: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6063 - accuracy: 0.
```

```
5920 - val_loss: 0.6312 - val_accuracy: 0.5533 - lr: 0.0044
Epoch 497/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6306 - accuracy: 0.5625
Epoch 497: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6086 - accuracy: 0.
5920 - val_loss: 0.6138 - val_accuracy: 0.6000 - lr: 0.0044
Epoch 498/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6157 - accuracy: 0.5938
Epoch 498: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6067 - accuracy: 0.
6351 - val_loss: 0.6332 - val_accuracy: 0.6067 - lr: 0.0044
Epoch 499/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5966 - accuracy: 0.5938
Epoch 499: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6114 - accuracy: 0.
6322 - val_loss: 0.6136 - val_accuracy: 0.6333 - lr: 0.0044
Epoch 500/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6852 - accuracy: 0.5000
Epoch 500: val_loss did not improve from 0.60829
11/11 [=====] - 0s 7ms/step - loss: 0.6054 - accuracy: 0.
6236 - val_loss: 0.6406 - val_accuracy: 0.5600 - lr: 0.0044
Epoch 501/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5935 - accuracy: 0.5938
Epoch 501: val_loss did not improve from 0.60829

Epoch 501: ReduceLROnPlateau reducing learning rate to 0.0030869997106492517.
11/11 [=====] - 0s 8ms/step - loss: 0.6079 - accuracy: 0.
6178 - val_loss: 0.6232 - val_accuracy: 0.6267 - lr: 0.0044
Epoch 502/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4979 - accuracy: 0.8125
Epoch 502: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6066 - accuracy: 0.
5977 - val_loss: 0.6132 - val_accuracy: 0.5600 - lr: 0.0031
Epoch 503/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6211 - accuracy: 0.5938
Epoch 503: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6054 - accuracy: 0.
6034 - val_loss: 0.6108 - val_accuracy: 0.6133 - lr: 0.0031
Epoch 504/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6813 - accuracy: 0.5938
Epoch 504: val_loss did not improve from 0.60829
11/11 [=====] - 0s 7ms/step - loss: 0.6059 - accuracy: 0.
6379 - val_loss: 0.6227 - val_accuracy: 0.6200 - lr: 0.0031
Epoch 505/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6397 - accuracy: 0.6875
Epoch 505: val_loss did not improve from 0.60829
11/11 [=====] - 0s 9ms/step - loss: 0.6054 - accuracy: 0.
6351 - val_loss: 0.6234 - val_accuracy: 0.6333 - lr: 0.0031
Epoch 506/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5560 - accuracy: 0.6875
Epoch 506: val_loss did not improve from 0.60829
11/11 [=====] - 0s 9ms/step - loss: 0.6050 - accuracy: 0.
6351 - val_loss: 0.6209 - val_accuracy: 0.6333 - lr: 0.0031
Epoch 507/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5344 - accuracy: 0.8438
Epoch 507: val_loss did not improve from 0.60829
11/11 [=====] - 0s 9ms/step - loss: 0.6053 - accuracy: 0.
6034 - val_loss: 0.6170 - val_accuracy: 0.5867 - lr: 0.0031
Epoch 508/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5510 - accuracy: 0.6562
Epoch 508: val_loss did not improve from 0.60829
11/11 [=====] - 0s 7ms/step - loss: 0.6051 - accuracy: 0.
6092 - val_loss: 0.6147 - val_accuracy: 0.5933 - lr: 0.0031
Epoch 509/1000
```

```
1/11 [=>.....] - ETA: 0s - loss: 0.6735 - accuracy: 0.5312
Epoch 509: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6040 - accuracy: 0.
5977 - val_loss: 0.6398 - val_accuracy: 0.5533 - lr: 0.0031
Epoch 510/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6262 - accuracy: 0.6250
Epoch 510: val_loss did not improve from 0.60829
11/11 [=====] - 0s 9ms/step - loss: 0.6048 - accuracy: 0.
6063 - val_loss: 0.6205 - val_accuracy: 0.6267 - lr: 0.0031
Epoch 511/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6108 - accuracy: 0.5938
Epoch 511: val_loss did not improve from 0.60829
11/11 [=====] - 0s 9ms/step - loss: 0.6045 - accuracy: 0.
6379 - val_loss: 0.6205 - val_accuracy: 0.6267 - lr: 0.0031
Epoch 512/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5793 - accuracy: 0.6562
Epoch 512: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6052 - accuracy: 0.
6121 - val_loss: 0.6224 - val_accuracy: 0.5667 - lr: 0.0031
Epoch 513/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6643 - accuracy: 0.5312
Epoch 513: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6061 - accuracy: 0.
6379 - val_loss: 0.6200 - val_accuracy: 0.6267 - lr: 0.0031
Epoch 514/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6169 - accuracy: 0.6250
Epoch 514: val_loss did not improve from 0.60829
11/11 [=====] - 0s 9ms/step - loss: 0.6046 - accuracy: 0.
6351 - val_loss: 0.6143 - val_accuracy: 0.6133 - lr: 0.0031
Epoch 515/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6230 - accuracy: 0.5938
Epoch 515: val_loss did not improve from 0.60829
11/11 [=====] - 0s 9ms/step - loss: 0.6038 - accuracy: 0.
6121 - val_loss: 0.6265 - val_accuracy: 0.5733 - lr: 0.0031
Epoch 516/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6004 - accuracy: 0.5938
Epoch 516: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6047 - accuracy: 0.
6034 - val_loss: 0.6183 - val_accuracy: 0.5667 - lr: 0.0031
Epoch 517/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6453 - accuracy: 0.6250
Epoch 517: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6046 - accuracy: 0.
6063 - val_loss: 0.6131 - val_accuracy: 0.6000 - lr: 0.0031
Epoch 518/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5331 - accuracy: 0.6875
Epoch 518: val_loss did not improve from 0.60829
11/11 [=====] - 0s 9ms/step - loss: 0.6036 - accuracy: 0.
6322 - val_loss: 0.6182 - val_accuracy: 0.6267 - lr: 0.0031
Epoch 519/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6053 - accuracy: 0.6344
Epoch 519: val_loss did not improve from 0.60829
11/11 [=====] - 0s 9ms/step - loss: 0.6037 - accuracy: 0.
6408 - val_loss: 0.6245 - val_accuracy: 0.6200 - lr: 0.0031
Epoch 520/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5881 - accuracy: 0.6562
Epoch 520: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6033 - accuracy: 0.
6408 - val_loss: 0.6180 - val_accuracy: 0.6133 - lr: 0.0031
Epoch 521/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6230 - accuracy: 0.7188
Epoch 521: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6041 - accuracy: 0.
6437 - val_loss: 0.6204 - val_accuracy: 0.6333 - lr: 0.0031
```

```
Epoch 522/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6341 - accuracy: 0.6250
Epoch 522: val_loss did not improve from 0.60829
11/11 [=====] - 0s 7ms/step - loss: 0.6040 - accuracy: 0.
6063 - val_loss: 0.6316 - val_accuracy: 0.5600 - lr: 0.0031
Epoch 523/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5707 - accuracy: 0.5938
Epoch 523: val_loss did not improve from 0.60829
11/11 [=====] - 0s 7ms/step - loss: 0.6031 - accuracy: 0.
6063 - val_loss: 0.6211 - val_accuracy: 0.6200 - lr: 0.0031
Epoch 524/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5662 - accuracy: 0.6562
Epoch 524: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6034 - accuracy: 0.
6379 - val_loss: 0.6172 - val_accuracy: 0.6333 - lr: 0.0031
Epoch 525/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6386 - accuracy: 0.7188
Epoch 525: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6028 - accuracy: 0.
6466 - val_loss: 0.6217 - val_accuracy: 0.6133 - lr: 0.0031
Epoch 526/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6836 - accuracy: 0.5000
Epoch 526: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6025 - accuracy: 0.
6379 - val_loss: 0.6245 - val_accuracy: 0.6267 - lr: 0.0031
Epoch 527/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5955 - accuracy: 0.5938
Epoch 527: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6025 - accuracy: 0.
6264 - val_loss: 0.6257 - val_accuracy: 0.6000 - lr: 0.0031
Epoch 528/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7011 - accuracy: 0.6250
Epoch 528: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6031 - accuracy: 0.
5833 - val_loss: 0.6258 - val_accuracy: 0.5800 - lr: 0.0031
Epoch 529/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5836 - accuracy: 0.5938
Epoch 529: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6026 - accuracy: 0.
6236 - val_loss: 0.6277 - val_accuracy: 0.6200 - lr: 0.0031
Epoch 530/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6280 - accuracy: 0.6875
Epoch 530: val_loss did not improve from 0.60829
11/11 [=====] - 0s 10ms/step - loss: 0.6020 - accuracy:
0.6379 - val_loss: 0.6245 - val_accuracy: 0.6200 - lr: 0.0031
Epoch 531/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5543 - accuracy: 0.7812
Epoch 531: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6019 - accuracy: 0.
6351 - val_loss: 0.6237 - val_accuracy: 0.6267 - lr: 0.0031
Epoch 532/1000
11/11 [=====] - ETA: 0s - loss: 0.6044 - accuracy: 0.5977
Epoch 532: val_loss did not improve from 0.60829
11/11 [=====] - 0s 9ms/step - loss: 0.6044 - accuracy: 0.
5977 - val_loss: 0.6169 - val_accuracy: 0.5867 - lr: 0.0031
Epoch 533/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5980 - accuracy: 0.6875
Epoch 533: val_loss did not improve from 0.60829
11/11 [=====] - 0s 9ms/step - loss: 0.6016 - accuracy: 0.
6322 - val_loss: 0.6275 - val_accuracy: 0.6333 - lr: 0.0031
Epoch 534/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6544 - accuracy: 0.5312
Epoch 534: val_loss did not improve from 0.60829
11/11 [=====] - 0s 9ms/step - loss: 0.6014 - accuracy: 0.
```

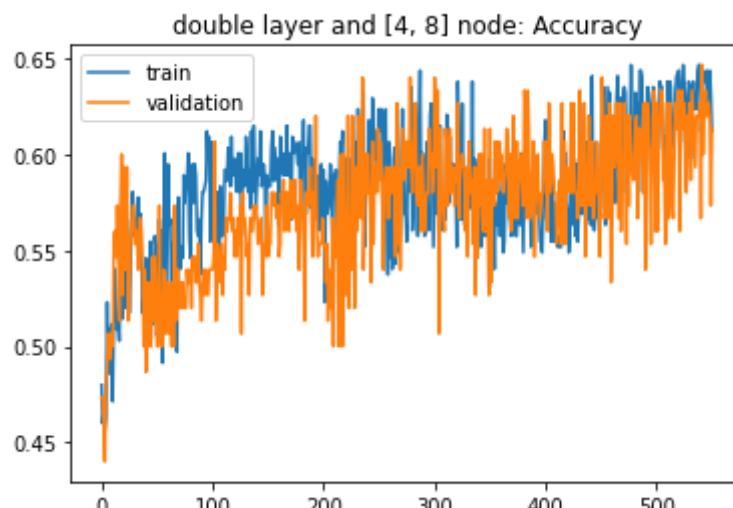
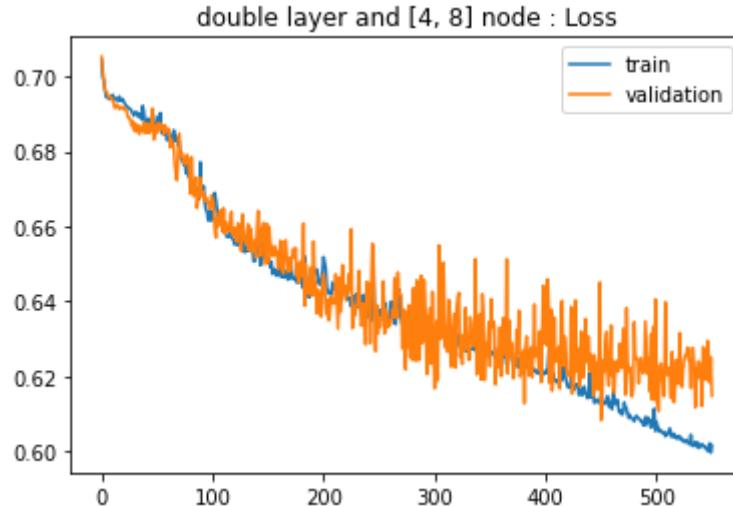
```
6379 - val_loss: 0.6276 - val_accuracy: 0.6200 - lr: 0.0031
Epoch 535/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6524 - accuracy: 0.5938
Epoch 535: val_loss did not improve from 0.60829
11/11 [=====] - 0s 9ms/step - loss: 0.6021 - accuracy: 0.
6293 - val_loss: 0.6223 - val_accuracy: 0.6067 - lr: 0.0031
Epoch 536/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6020 - accuracy: 0.6562
Epoch 536: val_loss did not improve from 0.60829
11/11 [=====] - 0s 9ms/step - loss: 0.6026 - accuracy: 0.
6236 - val_loss: 0.6118 - val_accuracy: 0.5933 - lr: 0.0031
Epoch 537/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6068 - accuracy: 0.5625
Epoch 537: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6013 - accuracy: 0.
6236 - val_loss: 0.6219 - val_accuracy: 0.6200 - lr: 0.0031
Epoch 538/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5756 - accuracy: 0.7812
Epoch 538: val_loss did not improve from 0.60829
11/11 [=====] - 0s 9ms/step - loss: 0.6024 - accuracy: 0.
6437 - val_loss: 0.6199 - val_accuracy: 0.6200 - lr: 0.0031
Epoch 539/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6317 - accuracy: 0.5312
Epoch 539: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6009 - accuracy: 0.
6466 - val_loss: 0.6241 - val_accuracy: 0.6200 - lr: 0.0031
Epoch 540/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5830 - accuracy: 0.6875
Epoch 540: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6011 - accuracy: 0.
6466 - val_loss: 0.6194 - val_accuracy: 0.6267 - lr: 0.0031
Epoch 541/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5765 - accuracy: 0.6562
Epoch 541: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6015 - accuracy: 0.
6121 - val_loss: 0.6230 - val_accuracy: 0.5667 - lr: 0.0031
Epoch 542/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6209 - accuracy: 0.6875
Epoch 542: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6020 - accuracy: 0.
6207 - val_loss: 0.6122 - val_accuracy: 0.6467 - lr: 0.0031
Epoch 543/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5081 - accuracy: 0.7188
Epoch 543: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6016 - accuracy: 0.
6379 - val_loss: 0.6279 - val_accuracy: 0.6000 - lr: 0.0031
Epoch 544/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5928 - accuracy: 0.6250
Epoch 544: val_loss did not improve from 0.60829
11/11 [=====] - 0s 7ms/step - loss: 0.6011 - accuracy: 0.
6379 - val_loss: 0.6262 - val_accuracy: 0.6267 - lr: 0.0031
Epoch 545/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5515 - accuracy: 0.6250
Epoch 545: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6014 - accuracy: 0.
6379 - val_loss: 0.6193 - val_accuracy: 0.6333 - lr: 0.0031
Epoch 546/1000
11/11 [=====] - ETA: 0s - loss: 0.6006 - accuracy: 0.6437
Epoch 546: val_loss did not improve from 0.60829
11/11 [=====] - 0s 10ms/step - loss: 0.6006 - accuracy:
0.6437 - val_loss: 0.6190 - val_accuracy: 0.6200 - lr: 0.0031
Epoch 547/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5893 - accuracy: 0.8125
Epoch 547: val_loss did not improve from 0.60829
```

```

11/11 [=====] - 0s 8ms/step - loss: 0.6001 - accuracy: 0.
6264 - val_loss: 0.6295 - val_accuracy: 0.6200 - lr: 0.0031
Epoch 548/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5903 - accuracy: 0.6562
Epoch 548: val_loss did not improve from 0.60829
11/11 [=====] - 0s 10ms/step - loss: 0.6003 - accuracy:
0.6351 - val_loss: 0.6201 - val_accuracy: 0.6267 - lr: 0.0031
Epoch 549/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5509 - accuracy: 0.8125
Epoch 549: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.6022 - accuracy: 0.
6437 - val_loss: 0.6183 - val_accuracy: 0.6200 - lr: 0.0031
Epoch 550/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6463 - accuracy: 0.6250
Epoch 550: val_loss did not improve from 0.60829
11/11 [=====] - 0s 8ms/step - loss: 0.5997 - accuracy: 0.
6322 - val_loss: 0.6252 - val_accuracy: 0.5733 - lr: 0.0031
Epoch 551/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6104 - accuracy: 0.4688
Epoch 551: val_loss did not improve from 0.60829

Epoch 551: ReduceLROnPlateau reducing learning rate to 0.0021608998300507664.
11/11 [=====] - 0s 8ms/step - loss: 0.6015 - accuracy: 0.
6121 - val_loss: 0.6148 - val_accuracy: 0.6133 - lr: 0.0031
Epoch 551: early stopping
Final training loss for double layer and [4, 8] nodes: 0.6015358567237854
Final training accuracy for double layer and [4, 8] nodes 0.6120689511299133
Final validation loss for double layer and [4, 8] nodes 0.6148400902748108
Final validation accuracy for double layer and [4, 8] nodes 0.6133333444595337

```



```
>>>>>>>>>>>>>>>> Model training with double hidden layer and [4, 12] node>>>>
>>>>>>>
```

Model: "sequential_35"

Layer (type)	Output Shape	Param #
<hr/>		
dense_93 (Dense)	(None, 4)	12
dense_94 (Dense)	(None, 12)	60
dense_95 (Dense)	(None, 1)	13
<hr/>		
Total params: 85		
Trainable params: 85		
Non-trainable params: 0		

None

Epoch 1/1000

```
1/11 [=>.....] - ETA: 5s - loss: 0.6900 - accuracy: 0.5625
Epoch 1: val_loss improved from inf to 0.69112, saving model to tmp/Weights-001--0.69112.hdf5
```

```
11/11 [=====] - 1s 23ms/step - loss: 0.6964 - accuracy: 0.5029 - val_loss: 0.6911 - val_accuracy: 0.5000 - lr: 0.0090
```

Epoch 2/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6947 - accuracy: 0.6250
Epoch 2: val_loss improved from 0.69112 to 0.68893, saving model to tmp/Weights-002--0.68893.hdf5
```

```
11/11 [=====] - 0s 9ms/step - loss: 0.6917 - accuracy: 0.5172 - val_loss: 0.6889 - val_accuracy: 0.5533 - lr: 0.0090
```

Epoch 3/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6984 - accuracy: 0.5312
Epoch 3: val_loss improved from 0.68893 to 0.68828, saving model to tmp/Weights-003--0.68828.hdf5
```

```
11/11 [=====] - 0s 8ms/step - loss: 0.6925 - accuracy: 0.5201 - val_loss: 0.6883 - val_accuracy: 0.5867 - lr: 0.0090
```

Epoch 4/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6911 - accuracy: 0.5312
Epoch 4: val_loss improved from 0.68828 to 0.68492, saving model to tmp/Weights-004--0.68492.hdf5
```

```
11/11 [=====] - 0s 10ms/step - loss: 0.6914 - accuracy: 0.5057 - val_loss: 0.6849 - val_accuracy: 0.5667 - lr: 0.0090
```

Epoch 5/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6997 - accuracy: 0.5000
Epoch 5: val_loss did not improve from 0.68492
```

```
11/11 [=====] - 0s 7ms/step - loss: 0.6896 - accuracy: 0.5201 - val_loss: 0.6862 - val_accuracy: 0.6000 - lr: 0.0090
```

Epoch 6/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6880 - accuracy: 0.5000
Epoch 6: val_loss improved from 0.68492 to 0.68446, saving model to tmp/Weights-006--0.68446.hdf5
```

```
11/11 [=====] - 0s 8ms/step - loss: 0.6893 - accuracy: 0.4971 - val_loss: 0.6845 - val_accuracy: 0.6000 - lr: 0.0090
```

Epoch 7/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6624 - accuracy: 0.6250
Epoch 7: val_loss improved from 0.68446 to 0.68347, saving model to tmp/Weights-007--0.68347.hdf5
```

```
11/11 [=====] - 0s 10ms/step - loss: 0.6886 - accuracy: 0.5144 - val_loss: 0.6835 - val_accuracy: 0.5867 - lr: 0.0090
```

Epoch 8/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6878 - accuracy: 0.5312
```

```
Epoch 8: val_loss improved from 0.68347 to 0.68201, saving model to tmp/Weights-00
8--0.68201.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6879 - accuracy: 0.
5115 - val_loss: 0.6820 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 9/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6903 - accuracy: 0.4688
Epoch 9: val_loss improved from 0.68201 to 0.68078, saving model to tmp/Weights-00
9--0.68078.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6873 - accuracy: 0.
5201 - val_loss: 0.6808 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 10/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6783 - accuracy: 0.5312
Epoch 10: val_loss improved from 0.68078 to 0.68047, saving model to tmp/Weights-0
10--0.68047.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6877 - accuracy: 0.
4713 - val_loss: 0.6805 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 11/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6948 - accuracy: 0.4688
Epoch 11: val_loss improved from 0.68047 to 0.68020, saving model to tmp/Weights-0
11--0.68020.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6885 - accuracy: 0.
5057 - val_loss: 0.6802 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 12/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6916 - accuracy: 0.5625
Epoch 12: val_loss improved from 0.68020 to 0.67797, saving model to tmp/Weights-0
12--0.67797.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6868 - accuracy: 0.
5086 - val_loss: 0.6780 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 13/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6709 - accuracy: 0.5938
Epoch 13: val_loss did not improve from 0.67797
11/11 [=====] - 0s 8ms/step - loss: 0.6855 - accuracy: 0.
5287 - val_loss: 0.6798 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 14/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6905 - accuracy: 0.4375
Epoch 14: val_loss did not improve from 0.67797
11/11 [=====] - 0s 7ms/step - loss: 0.6858 - accuracy: 0.
4856 - val_loss: 0.6805 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 15/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6886 - accuracy: 0.5938
Epoch 15: val_loss did not improve from 0.67797
11/11 [=====] - 0s 9ms/step - loss: 0.6852 - accuracy: 0.
5201 - val_loss: 0.6792 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 16/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6444 - accuracy: 0.7188
Epoch 16: val_loss improved from 0.67797 to 0.67637, saving model to tmp/Weights-0
16--0.67637.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6839 - accuracy: 0.
5259 - val_loss: 0.6764 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 17/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6854 - accuracy: 0.5312
Epoch 17: val_loss improved from 0.67637 to 0.67581, saving model to tmp/Weights-0
17--0.67581.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6847 - accuracy: 0.
4741 - val_loss: 0.6758 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 18/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6646 - accuracy: 0.4688
Epoch 18: val_loss did not improve from 0.67581
11/11 [=====] - 0s 6ms/step - loss: 0.6829 - accuracy: 0.
5172 - val_loss: 0.6791 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 19/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6569 - accuracy: 0.5000
Epoch 19: val_loss did not improve from 0.67581
11/11 [=====] - 0s 8ms/step - loss: 0.6827 - accuracy: 0.
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5115 - val_loss: 0.6784 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 20/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6714 - accuracy: 0.6875
Epoch 20: val_loss improved from 0.67581 to 0.67572, saving model to tmp/Weights-0
20--0.67572.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6845 - accuracy: 0.
4799 - val_loss: 0.6757 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 21/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6834 - accuracy: 0.4062
Epoch 21: val_loss did not improve from 0.67572
11/11 [=====] - 0s 6ms/step - loss: 0.6811 - accuracy: 0.
5086 - val_loss: 0.6764 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 22/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6836 - accuracy: 0.5312
Epoch 22: val_loss improved from 0.67572 to 0.67532, saving model to tmp/Weights-0
22--0.67532.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6797 - accuracy: 0.
5144 - val_loss: 0.6753 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 23/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6755 - accuracy: 0.6250
Epoch 23: val_loss improved from 0.67532 to 0.67366, saving model to tmp/Weights-0
23--0.67366.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6784 - accuracy: 0.
5489 - val_loss: 0.6737 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 24/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6906 - accuracy: 0.3750
Epoch 24: val_loss did not improve from 0.67366
11/11 [=====] - 0s 6ms/step - loss: 0.6783 - accuracy: 0.
4540 - val_loss: 0.6742 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 25/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6717 - accuracy: 0.6250
Epoch 25: val_loss improved from 0.67366 to 0.67230, saving model to tmp/Weights-0
25--0.67230.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6779 - accuracy: 0.
5345 - val_loss: 0.6723 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 26/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6885 - accuracy: 0.4688
Epoch 26: val_loss improved from 0.67230 to 0.67069, saving model to tmp/Weights-0
26--0.67069.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6758 - accuracy: 0.
4856 - val_loss: 0.6707 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 27/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6261 - accuracy: 0.6250
Epoch 27: val_loss did not improve from 0.67069
11/11 [=====] - 0s 7ms/step - loss: 0.6770 - accuracy: 0.
5316 - val_loss: 0.6732 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 28/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6863 - accuracy: 0.5000
Epoch 28: val_loss improved from 0.67069 to 0.66915, saving model to tmp/Weights-0
28--0.66915.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6765 - accuracy: 0.
5029 - val_loss: 0.6691 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 29/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6470 - accuracy: 0.5938
Epoch 29: val_loss did not improve from 0.66915
11/11 [=====] - 0s 6ms/step - loss: 0.6730 - accuracy: 0.
5172 - val_loss: 0.6695 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 30/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6616 - accuracy: 0.6250
Epoch 30: val_loss did not improve from 0.66915
11/11 [=====] - 0s 6ms/step - loss: 0.6743 - accuracy: 0.
5374 - val_loss: 0.6701 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 31/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6696 - accuracy: 0.5000
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Epoch 31: val_loss improved from 0.66915 to 0.66699, saving model to tmp/Weights-0
31--0.66699.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6745 - accuracy: 0.5029
  - val_loss: 0.6670 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 32/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6932 - accuracy: 0.5312
Epoch 32: val_loss improved from 0.66699 to 0.66652, saving model to tmp/Weights-0
32--0.66652.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6694 - accuracy: 0.5402
  - val_loss: 0.6665 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 33/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6790 - accuracy: 0.6250
Epoch 33: val_loss improved from 0.66652 to 0.66603, saving model to tmp/Weights-0
33--0.66603.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6701 - accuracy: 0.5431
  - val_loss: 0.6660 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 34/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.7122 - accuracy: 0.3125
Epoch 34: val_loss improved from 0.66603 to 0.66471, saving model to tmp/Weights-0
34--0.66471.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6701 - accuracy: 0.4770
  - val_loss: 0.6647 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 35/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6646 - accuracy: 0.5625
Epoch 35: val_loss improved from 0.66471 to 0.66193, saving model to tmp/Weights-0
35--0.66193.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6677 - accuracy: 0.5144
  - val_loss: 0.6619 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 36/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6767 - accuracy: 0.5000
Epoch 36: val_loss did not improve from 0.66193
11/11 [=====] - 0s 6ms/step - loss: 0.6691 - accuracy: 0.5201
  - val_loss: 0.6643 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 37/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6834 - accuracy: 0.5000
Epoch 37: val_loss improved from 0.66193 to 0.66118, saving model to tmp/Weights-0
37--0.66118.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6673 - accuracy: 0.5201
  - val_loss: 0.6612 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 38/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6506 - accuracy: 0.4688
Epoch 38: val_loss did not improve from 0.66118
11/11 [=====] - 0s 6ms/step - loss: 0.6672 - accuracy: 0.5057
  - val_loss: 0.6628 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 39/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6913 - accuracy: 0.5625
Epoch 39: val_loss did not improve from 0.66118
11/11 [=====] - 0s 7ms/step - loss: 0.6646 - accuracy: 0.5345
  - val_loss: 0.6617 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 40/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6484 - accuracy: 0.5938
Epoch 40: val_loss improved from 0.66118 to 0.65683, saving model to tmp/Weights-0
40--0.65683.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6614 - accuracy: 0.5115
  - val_loss: 0.6568 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 41/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6519 - accuracy: 0.5000
Epoch 41: val_loss did not improve from 0.65683
11/11 [=====] - 0s 6ms/step - loss: 0.6634 - accuracy: 0.5057
  - val_loss: 0.6582 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 42/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6625 - accuracy: 0.4688
Epoch 42: val_loss did not improve from 0.65683
11/11 [=====] - 0s 7ms/step - loss: 0.6613 - accuracy: 0.
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5144 - val_loss: 0.6583 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 43/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6849 - accuracy: 0.4062
Epoch 43: val_loss improved from 0.65683 to 0.65359, saving model to tmp/Weights-0
43--0.65359.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6594 - accuracy: 0.
5431 - val_loss: 0.6536 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 44/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6190 - accuracy: 0.6250
Epoch 44: val_loss did not improve from 0.65359
11/11 [=====] - 0s 8ms/step - loss: 0.6566 - accuracy: 0.
5374 - val_loss: 0.6540 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 45/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5547 - accuracy: 0.6562
Epoch 45: val_loss improved from 0.65359 to 0.65007, saving model to tmp/Weights-0
45--0.65007.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6540 - accuracy: 0.
5603 - val_loss: 0.6501 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 46/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7093 - accuracy: 0.5000
Epoch 46: val_loss did not improve from 0.65007
11/11 [=====] - 0s 7ms/step - loss: 0.6576 - accuracy: 0.
5115 - val_loss: 0.6511 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 47/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6365 - accuracy: 0.5312
Epoch 47: val_loss did not improve from 0.65007
11/11 [=====] - 0s 7ms/step - loss: 0.6595 - accuracy: 0.
5287 - val_loss: 0.6536 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 48/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6925 - accuracy: 0.5000
Epoch 48: val_loss improved from 0.65007 to 0.64677, saving model to tmp/Weights-0
48--0.64677.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6547 - accuracy: 0.
5517 - val_loss: 0.6468 - val_accuracy: 0.4867 - lr: 0.0090
Epoch 49/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6699 - accuracy: 0.5938
Epoch 49: val_loss did not improve from 0.64677
11/11 [=====] - 0s 7ms/step - loss: 0.6574 - accuracy: 0.
5115 - val_loss: 0.6549 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 50/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6725 - accuracy: 0.4375
Epoch 50: val_loss did not improve from 0.64677
11/11 [=====] - 0s 8ms/step - loss: 0.6571 - accuracy: 0.
5287 - val_loss: 0.6544 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 51/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7069 - accuracy: 0.4688
Epoch 51: val_loss did not improve from 0.64677
11/11 [=====] - 0s 8ms/step - loss: 0.6536 - accuracy: 0.
5489 - val_loss: 0.6545 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 52/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6568 - accuracy: 0.4375
Epoch 52: val_loss did not improve from 0.64677
11/11 [=====] - 0s 8ms/step - loss: 0.6529 - accuracy: 0.
5345 - val_loss: 0.6502 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 53/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6303 - accuracy: 0.6250
Epoch 53: val_loss did not improve from 0.64677
11/11 [=====] - 0s 7ms/step - loss: 0.6541 - accuracy: 0.
5316 - val_loss: 0.6526 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 54/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6774 - accuracy: 0.5000
Epoch 54: val_loss did not improve from 0.64677
11/11 [=====] - 0s 8ms/step - loss: 0.6527 - accuracy: 0.
5345 - val_loss: 0.6484 - val_accuracy: 0.4933 - lr: 0.0090
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Epoch 55/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6887 - accuracy: 0.4062
Epoch 55: val_loss did not improve from 0.64677
11/11 [=====] - 0s 8ms/step - loss: 0.6487 - accuracy: 0.
5460 - val_loss: 0.6495 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 56/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6852 - accuracy: 0.6250
Epoch 56: val_loss did not improve from 0.64677
11/11 [=====] - 0s 6ms/step - loss: 0.6484 - accuracy: 0.
5287 - val_loss: 0.6483 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 57/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6032 - accuracy: 0.5000
Epoch 57: val_loss improved from 0.64677 to 0.64676, saving model to tmp/Weights-0
57--0.64676.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6503 - accuracy: 0.
5086 - val_loss: 0.6468 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 58/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6653 - accuracy: 0.5000
Epoch 58: val_loss did not improve from 0.64676
11/11 [=====] - 0s 8ms/step - loss: 0.6474 - accuracy: 0.
5489 - val_loss: 0.6481 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 59/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6573 - accuracy: 0.5000
Epoch 59: val_loss did not improve from 0.64676
11/11 [=====] - 0s 7ms/step - loss: 0.6498 - accuracy: 0.
5259 - val_loss: 0.6487 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 60/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6371 - accuracy: 0.6250
Epoch 60: val_loss improved from 0.64676 to 0.64519, saving model to tmp/Weights-0
60--0.64519.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6453 - accuracy: 0.
5546 - val_loss: 0.6452 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 61/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6283 - accuracy: 0.4688
Epoch 61: val_loss improved from 0.64519 to 0.64267, saving model to tmp/Weights-0
61--0.64267.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6488 - accuracy: 0.
5575 - val_loss: 0.6427 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 62/1000
1/11 [=>........................] - ETA: 0s - loss: 0.7010 - accuracy: 0.5000
Epoch 62: val_loss did not improve from 0.64267
11/11 [=====] - 0s 7ms/step - loss: 0.6469 - accuracy: 0.
5546 - val_loss: 0.6508 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 63/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6799 - accuracy: 0.5312
Epoch 63: val_loss did not improve from 0.64267
11/11 [=====] - 0s 7ms/step - loss: 0.6476 - accuracy: 0.
5287 - val_loss: 0.6489 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 64/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6304 - accuracy: 0.4375
Epoch 64: val_loss did not improve from 0.64267
11/11 [=====] - 0s 6ms/step - loss: 0.6427 - accuracy: 0.
5402 - val_loss: 0.6465 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 65/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6344 - accuracy: 0.5625
Epoch 65: val_loss did not improve from 0.64267
11/11 [=====] - 0s 8ms/step - loss: 0.6439 - accuracy: 0.
5144 - val_loss: 0.6448 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 66/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6438 - accuracy: 0.5188
Epoch 66: val_loss did not improve from 0.64267
11/11 [=====] - 0s 11ms/step - loss: 0.6496 - accuracy:
0.5029 - val_loss: 0.6477 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 67/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5484 - accuracy: 0.7188
Epoch 67: val_loss did not improve from 0.64267
11/11 [=====] - 0s 7ms/step - loss: 0.6444 - accuracy: 0.
5833 - val_loss: 0.6454 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 68/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6745 - accuracy: 0.5312
Epoch 68: val_loss did not improve from 0.64267
11/11 [=====] - 0s 8ms/step - loss: 0.6431 - accuracy: 0.
5345 - val_loss: 0.6488 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 69/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6472 - accuracy: 0.5625
Epoch 69: val_loss did not improve from 0.64267
11/11 [=====] - 0s 7ms/step - loss: 0.6432 - accuracy: 0.
5316 - val_loss: 0.6444 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 70/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6397 - accuracy: 0.5625
Epoch 70: val_loss did not improve from 0.64267
11/11 [=====] - 0s 7ms/step - loss: 0.6447 - accuracy: 0.
5316 - val_loss: 0.6433 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 71/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5955 - accuracy: 0.5625
Epoch 71: val_loss did not improve from 0.64267
11/11 [=====] - 0s 7ms/step - loss: 0.6471 - accuracy: 0.
5632 - val_loss: 0.6511 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 72/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6216 - accuracy: 0.6250
Epoch 72: val_loss did not improve from 0.64267
11/11 [=====] - 0s 7ms/step - loss: 0.6422 - accuracy: 0.
5546 - val_loss: 0.6463 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 73/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6960 - accuracy: 0.3750
Epoch 73: val_loss did not improve from 0.64267
11/11 [=====] - 0s 7ms/step - loss: 0.6463 - accuracy: 0.
5402 - val_loss: 0.6504 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 74/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6264 - accuracy: 0.3750
Epoch 74: val_loss improved from 0.64267 to 0.64057, saving model to tmp/Weights-0
74--0.64057.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6440 - accuracy: 0.
5316 - val_loss: 0.6406 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 75/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6343 - accuracy: 0.5312
Epoch 75: val_loss did not improve from 0.64057
11/11 [=====] - 0s 8ms/step - loss: 0.6422 - accuracy: 0.
5201 - val_loss: 0.6471 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 76/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6461 - accuracy: 0.4688
Epoch 76: val_loss did not improve from 0.64057
11/11 [=====] - 0s 8ms/step - loss: 0.6404 - accuracy: 0.
5287 - val_loss: 0.6418 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 77/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6476 - accuracy: 0.6562
Epoch 77: val_loss did not improve from 0.64057
11/11 [=====] - 0s 7ms/step - loss: 0.6406 - accuracy: 0.
5489 - val_loss: 0.6446 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 78/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6841 - accuracy: 0.5000
Epoch 78: val_loss did not improve from 0.64057
11/11 [=====] - 0s 8ms/step - loss: 0.6399 - accuracy: 0.
5460 - val_loss: 0.6443 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 79/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7115 - accuracy: 0.5312
Epoch 79: val_loss did not improve from 0.64057
11/11 [=====] - 0s 7ms/step - loss: 0.6408 - accuracy: 0.
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5431 - val_loss: 0.6444 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 80/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6096 - accuracy: 0.5312
Epoch 80: val_loss did not improve from 0.64057
11/11 [=====] - 0s 7ms/step - loss: 0.6390 - accuracy: 0.
5431 - val_loss: 0.6433 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 81/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6399 - accuracy: 0.5625
Epoch 81: val_loss did not improve from 0.64057
11/11 [=====] - 0s 8ms/step - loss: 0.6415 - accuracy: 0.
5345 - val_loss: 0.6458 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 82/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5782 - accuracy: 0.5625
Epoch 82: val_loss did not improve from 0.64057
11/11 [=====] - 0s 7ms/step - loss: 0.6400 - accuracy: 0.
5316 - val_loss: 0.6453 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 83/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5990 - accuracy: 0.5938
Epoch 83: val_loss did not improve from 0.64057
11/11 [=====] - 0s 7ms/step - loss: 0.6381 - accuracy: 0.
5316 - val_loss: 0.6441 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 84/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6339 - accuracy: 0.3438
Epoch 84: val_loss did not improve from 0.64057
11/11 [=====] - 0s 7ms/step - loss: 0.6376 - accuracy: 0.
5345 - val_loss: 0.6411 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 85/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6588 - accuracy: 0.5625
Epoch 85: val_loss did not improve from 0.64057
11/11 [=====] - 0s 8ms/step - loss: 0.6396 - accuracy: 0.
5489 - val_loss: 0.6452 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 86/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6320 - accuracy: 0.5625
Epoch 86: val_loss did not improve from 0.64057
11/11 [=====] - 0s 7ms/step - loss: 0.6379 - accuracy: 0.
5690 - val_loss: 0.6433 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 87/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6182 - accuracy: 0.5000
Epoch 87: val_loss did not improve from 0.64057
11/11 [=====] - 0s 8ms/step - loss: 0.6391 - accuracy: 0.
5402 - val_loss: 0.6435 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 88/1000
11/11 [=====] - ETA: 0s - loss: 0.6377 - accuracy: 0.5345
Epoch 88: val_loss did not improve from 0.64057
11/11 [=====] - 0s 9ms/step - loss: 0.6377 - accuracy: 0.
5345 - val_loss: 0.6448 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 89/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6685 - accuracy: 0.5938
Epoch 89: val_loss improved from 0.64057 to 0.63803, saving model to tmp/Weights-0
89--0.63803.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6391 - accuracy: 0.
5316 - val_loss: 0.6380 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 90/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5816 - accuracy: 0.6562
Epoch 90: val_loss did not improve from 0.63803
11/11 [=====] - 0s 8ms/step - loss: 0.6427 - accuracy: 0.
5460 - val_loss: 0.6499 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 91/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6568 - accuracy: 0.4688
Epoch 91: val_loss did not improve from 0.63803
11/11 [=====] - 0s 7ms/step - loss: 0.6365 - accuracy: 0.
5690 - val_loss: 0.6394 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 92/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6388 - accuracy: 0.6250
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Epoch 92: val_loss did not improve from 0.63803
11/11 [=====] - 0s 7ms/step - loss: 0.6392 - accuracy: 0.
5374 - val_loss: 0.6451 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 93/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6724 - accuracy: 0.5625
Epoch 93: val_loss did not improve from 0.63803
11/11 [=====] - 0s 7ms/step - loss: 0.6431 - accuracy: 0.
5345 - val_loss: 0.6425 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 94/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6266 - accuracy: 0.4688
Epoch 94: val_loss did not improve from 0.63803
11/11 [=====] - 0s 8ms/step - loss: 0.6406 - accuracy: 0.
5546 - val_loss: 0.6468 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 95/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6379 - accuracy: 0.6250
Epoch 95: val_loss did not improve from 0.63803
11/11 [=====] - 0s 7ms/step - loss: 0.6355 - accuracy: 0.
5517 - val_loss: 0.6401 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 96/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6420 - accuracy: 0.5938
Epoch 96: val_loss did not improve from 0.63803
11/11 [=====] - 0s 8ms/step - loss: 0.6366 - accuracy: 0.
5230 - val_loss: 0.6407 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 97/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6541 - accuracy: 0.5625
Epoch 97: val_loss did not improve from 0.63803
11/11 [=====] - 0s 8ms/step - loss: 0.6336 - accuracy: 0.
5144 - val_loss: 0.6418 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 98/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6563 - accuracy: 0.4688
Epoch 98: val_loss did not improve from 0.63803
11/11 [=====] - 0s 8ms/step - loss: 0.6349 - accuracy: 0.
5287 - val_loss: 0.6421 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 99/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6394 - accuracy: 0.5000
Epoch 99: val_loss did not improve from 0.63803
11/11 [=====] - 0s 7ms/step - loss: 0.6364 - accuracy: 0.
5172 - val_loss: 0.6445 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 100/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6711 - accuracy: 0.4688
Epoch 100: val_loss did not improve from 0.63803
11/11 [=====] - 0s 8ms/step - loss: 0.6359 - accuracy: 0.
5402 - val_loss: 0.6452 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 101/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6034 - accuracy: 0.5000
Epoch 101: val_loss did not improve from 0.63803
11/11 [=====] - 0s 8ms/step - loss: 0.6337 - accuracy: 0.
5287 - val_loss: 0.6447 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 102/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6419 - accuracy: 0.5938
Epoch 102: val_loss did not improve from 0.63803
11/11 [=====] - 0s 7ms/step - loss: 0.6387 - accuracy: 0.
5431 - val_loss: 0.6460 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 103/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6275 - accuracy: 0.5000
Epoch 103: val_loss did not improve from 0.63803
11/11 [=====] - 0s 7ms/step - loss: 0.6343 - accuracy: 0.
5460 - val_loss: 0.6392 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 104/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6055 - accuracy: 0.5938
Epoch 104: val_loss did not improve from 0.63803
11/11 [=====] - 0s 8ms/step - loss: 0.6341 - accuracy: 0.
5546 - val_loss: 0.6466 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 105/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5895 - accuracy: 0.6250
Epoch 105: val_loss did not improve from 0.63803
11/11 [=====] - 0s 8ms/step - loss: 0.6339 - accuracy: 0.
5690 - val_loss: 0.6429 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 106/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6059 - accuracy: 0.6250
Epoch 106: val_loss did not improve from 0.63803
11/11 [=====] - 0s 6ms/step - loss: 0.6387 - accuracy: 0.
5402 - val_loss: 0.6440 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 107/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6225 - accuracy: 0.5312
Epoch 107: val_loss did not improve from 0.63803
11/11 [=====] - 0s 7ms/step - loss: 0.6385 - accuracy: 0.
5747 - val_loss: 0.6476 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 108/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5837 - accuracy: 0.5312
Epoch 108: val_loss improved from 0.63803 to 0.63791, saving model to tmp/Weights-
108--0.63791.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6352 - accuracy: 0.
5661 - val_loss: 0.6379 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 109/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6424 - accuracy: 0.5625
Epoch 109: val_loss did not improve from 0.63791
11/11 [=====] - 0s 8ms/step - loss: 0.6344 - accuracy: 0.
5172 - val_loss: 0.6444 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 110/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6221 - accuracy: 0.5938
Epoch 110: val_loss did not improve from 0.63791
11/11 [=====] - 0s 8ms/step - loss: 0.6356 - accuracy: 0.
5316 - val_loss: 0.6435 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 111/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6520 - accuracy: 0.5625
Epoch 111: val_loss did not improve from 0.63791
11/11 [=====] - 0s 6ms/step - loss: 0.6362 - accuracy: 0.
5546 - val_loss: 0.6407 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 112/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6411 - accuracy: 0.5000
Epoch 112: val_loss did not improve from 0.63791
11/11 [=====] - 0s 8ms/step - loss: 0.6339 - accuracy: 0.
5632 - val_loss: 0.6397 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 113/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6710 - accuracy: 0.5312
Epoch 113: val_loss did not improve from 0.63791
11/11 [=====] - 0s 7ms/step - loss: 0.6313 - accuracy: 0.
5287 - val_loss: 0.6390 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 114/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6491 - accuracy: 0.5000
Epoch 114: val_loss did not improve from 0.63791
11/11 [=====] - 0s 7ms/step - loss: 0.6310 - accuracy: 0.
5776 - val_loss: 0.6395 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 115/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6694 - accuracy: 0.2812
Epoch 115: val_loss did not improve from 0.63791
11/11 [=====] - 0s 7ms/step - loss: 0.6325 - accuracy: 0.
5374 - val_loss: 0.6404 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 116/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6401 - accuracy: 0.4375
Epoch 116: val_loss improved from 0.63791 to 0.63733, saving model to tmp/Weights-
116--0.63733.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6318 - accuracy: 0.
5057 - val_loss: 0.6373 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 117/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6584 - accuracy: 0.3438
Epoch 117: val_loss did not improve from 0.63733
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11/11 [=====] - 0s 6ms/step - loss: 0.6370 - accuracy: 0.5259 - val_loss: 0.6449 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 118/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5802 - accuracy: 0.5938
Epoch 118: val_loss improved from 0.63733 to 0.63617, saving model to tmp/Weights-118--0.63617.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6304 - accuracy: 0.5402 - val_loss: 0.6362 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 119/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5693 - accuracy: 0.5312
Epoch 119: val_loss did not improve from 0.63617
11/11 [=====] - 0s 7ms/step - loss: 0.6343 - accuracy: 0.5460 - val_loss: 0.6460 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 120/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6232 - accuracy: 0.5625
Epoch 120: val_loss improved from 0.63617 to 0.63351, saving model to tmp/Weights-120--0.63351.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6296 - accuracy: 0.5661 - val_loss: 0.6335 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 121/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6803 - accuracy: 0.5000
Epoch 121: val_loss did not improve from 0.63351
11/11 [=====] - 0s 7ms/step - loss: 0.6307 - accuracy: 0.5345 - val_loss: 0.6414 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 122/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5716 - accuracy: 0.5625
Epoch 122: val_loss did not improve from 0.63351
11/11 [=====] - 0s 7ms/step - loss: 0.6283 - accuracy: 0.5201 - val_loss: 0.6370 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 123/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6587 - accuracy: 0.5000
Epoch 123: val_loss did not improve from 0.63351
11/11 [=====] - 0s 7ms/step - loss: 0.6303 - accuracy: 0.5230 - val_loss: 0.6386 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 124/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6192 - accuracy: 0.6250
Epoch 124: val_loss did not improve from 0.63351
11/11 [=====] - 0s 7ms/step - loss: 0.6265 - accuracy: 0.5920 - val_loss: 0.6380 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 125/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5903 - accuracy: 0.5312
Epoch 125: val_loss did not improve from 0.63351
11/11 [=====] - 0s 7ms/step - loss: 0.6276 - accuracy: 0.5460 - val_loss: 0.6376 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 126/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6362 - accuracy: 0.5312
Epoch 126: val_loss did not improve from 0.63351
11/11 [=====] - 0s 7ms/step - loss: 0.6256 - accuracy: 0.5345 - val_loss: 0.6363 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 127/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6185 - accuracy: 0.6562
Epoch 127: val_loss did not improve from 0.63351
11/11 [=====] - 0s 8ms/step - loss: 0.6248 - accuracy: 0.5402 - val_loss: 0.6346 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 128/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6637 - accuracy: 0.5312
Epoch 128: val_loss did not improve from 0.63351
11/11 [=====] - 0s 7ms/step - loss: 0.6272 - accuracy: 0.5316 - val_loss: 0.6410 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 129/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6244 - accuracy: 0.5625
Epoch 129: val_loss did not improve from 0.63351
11/11 [=====] - 0s 6ms/step - loss: 0.6262 - accuracy: 0.5661 - val_loss: 0.6362 - val_accuracy: 0.5600 - lr: 0.0090
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Epoch 130/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5882 - accuracy: 0.5625
Epoch 130: val_loss did not improve from 0.63351
11/11 [=====] - 0s 7ms/step - loss: 0.6263 - accuracy: 0.
5345 - val_loss: 0.6410 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 131/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6627 - accuracy: 0.4375
Epoch 131: val_loss did not improve from 0.63351
11/11 [=====] - 0s 7ms/step - loss: 0.6265 - accuracy: 0.
5230 - val_loss: 0.6366 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 132/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5658 - accuracy: 0.7188
Epoch 132: val_loss did not improve from 0.63351
11/11 [=====] - 0s 7ms/step - loss: 0.6259 - accuracy: 0.
5603 - val_loss: 0.6370 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 133/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6180 - accuracy: 0.7188
Epoch 133: val_loss did not improve from 0.63351
11/11 [=====] - 0s 7ms/step - loss: 0.6236 - accuracy: 0.
5690 - val_loss: 0.6471 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 134/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6347 - accuracy: 0.5625
Epoch 134: val_loss did not improve from 0.63351
11/11 [=====] - 0s 7ms/step - loss: 0.6234 - accuracy: 0.
5374 - val_loss: 0.6349 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 135/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6154 - accuracy: 0.5625
Epoch 135: val_loss did not improve from 0.63351
11/11 [=====] - 0s 7ms/step - loss: 0.6224 - accuracy: 0.
5661 - val_loss: 0.6383 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 136/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5947 - accuracy: 0.5625
Epoch 136: val_loss did not improve from 0.63351
11/11 [=====] - 0s 9ms/step - loss: 0.6217 - accuracy: 0.
5431 - val_loss: 0.6387 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 137/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5970 - accuracy: 0.5938
Epoch 137: val_loss did not improve from 0.63351
11/11 [=====] - 0s 8ms/step - loss: 0.6254 - accuracy: 0.
5489 - val_loss: 0.6351 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 138/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6553 - accuracy: 0.4062
Epoch 138: val_loss did not improve from 0.63351
11/11 [=====] - 0s 7ms/step - loss: 0.6251 - accuracy: 0.
5460 - val_loss: 0.6542 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 139/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5965 - accuracy: 0.6250
Epoch 139: val_loss did not improve from 0.63351
11/11 [=====] - 0s 7ms/step - loss: 0.6232 - accuracy: 0.
5345 - val_loss: 0.6391 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 140/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5961 - accuracy: 0.6875
Epoch 140: val_loss improved from 0.63351 to 0.63139, saving model to tmp/Weights-140--0.63139.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6211 - accuracy: 0.
5718 - val_loss: 0.6314 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 141/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5974 - accuracy: 0.5312
Epoch 141: val_loss did not improve from 0.63139
11/11 [=====] - 0s 8ms/step - loss: 0.6211 - accuracy: 0.
5690 - val_loss: 0.6361 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 142/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5931 - accuracy: 0.6250
Epoch 142: val_loss did not improve from 0.63139
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11/11 [=====] - 0s 7ms/step - loss: 0.6185 - accuracy: 0.5402 - val_loss: 0.6404 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 143/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5787 - accuracy: 0.5625
Epoch 143: val_loss improved from 0.63139 to 0.62922, saving model to tmp/Weights-143--0.62922.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6167 - accuracy: 0.5546 - val_loss: 0.6292 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 144/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6185 - accuracy: 0.5312
Epoch 144: val_loss did not improve from 0.62922
11/11 [=====] - 0s 7ms/step - loss: 0.6139 - accuracy: 0.5402 - val_loss: 0.6328 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 145/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5463 - accuracy: 0.6562
Epoch 145: val_loss did not improve from 0.62922
11/11 [=====] - 0s 8ms/step - loss: 0.6180 - accuracy: 0.5460 - val_loss: 0.6307 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 146/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6400 - accuracy: 0.4688
Epoch 146: val_loss improved from 0.62922 to 0.62387, saving model to tmp/Weights-146--0.62387.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6111 - accuracy: 0.5517 - val_loss: 0.6239 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 147/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5737 - accuracy: 0.4375
Epoch 147: val_loss did not improve from 0.62387
11/11 [=====] - 0s 7ms/step - loss: 0.6097 - accuracy: 0.5575 - val_loss: 0.6343 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 148/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6292 - accuracy: 0.5312
Epoch 148: val_loss improved from 0.62387 to 0.62254, saving model to tmp/Weights-148--0.62254.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6125 - accuracy: 0.5374 - val_loss: 0.6225 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 149/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6197 - accuracy: 0.5312
Epoch 149: val_loss did not improve from 0.62254
11/11 [=====] - 0s 8ms/step - loss: 0.6142 - accuracy: 0.5920 - val_loss: 0.6333 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 150/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5634 - accuracy: 0.5938
Epoch 150: val_loss did not improve from 0.62254
11/11 [=====] - 0s 8ms/step - loss: 0.6137 - accuracy: 0.5690 - val_loss: 0.6289 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 151/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6057 - accuracy: 0.6875
Epoch 151: val_loss did not improve from 0.62254
11/11 [=====] - 0s 7ms/step - loss: 0.6110 - accuracy: 0.5632 - val_loss: 0.6258 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 152/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5927 - accuracy: 0.5938
Epoch 152: val_loss improved from 0.62254 to 0.62183, saving model to tmp/Weights-152--0.62183.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6079 - accuracy: 0.5316 - val_loss: 0.6218 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 153/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6420 - accuracy: 0.5312
Epoch 153: val_loss did not improve from 0.62183
11/11 [=====] - 0s 7ms/step - loss: 0.6073 - accuracy: 0.5948 - val_loss: 0.6245 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 154/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5919 - accuracy: 0.5938
Epoch 154: val_loss did not improve from 0.62183
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11/11 [=====] - 0s 8ms/step - loss: 0.6078 - accuracy: 0.  
5575 - val_loss: 0.6245 - val_accuracy: 0.5600 - lr: 0.0090  
Epoch 155/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6103 - accuracy: 0.5312  
Epoch 155: val_loss improved from 0.62183 to 0.61917, saving model to tmp/Weights-  
155--0.61917.hdf5  
11/11 [=====] - 0s 11ms/step - loss: 0.6075 - accuracy:  
0.5316 - val_loss: 0.6192 - val_accuracy: 0.5467 - lr: 0.0090  
Epoch 156/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6216 - accuracy: 0.5000  
Epoch 156: val_loss did not improve from 0.61917  
11/11 [=====] - 0s 7ms/step - loss: 0.6060 - accuracy: 0.  
5402 - val_loss: 0.6224 - val_accuracy: 0.5600 - lr: 0.0090  
Epoch 157/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5763 - accuracy: 0.5625  
Epoch 157: val_loss did not improve from 0.61917  
11/11 [=====] - 0s 7ms/step - loss: 0.6052 - accuracy: 0.  
5460 - val_loss: 0.6232 - val_accuracy: 0.5867 - lr: 0.0090  
Epoch 158/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6090 - accuracy: 0.5938  
Epoch 158: val_loss did not improve from 0.61917  
11/11 [=====] - 0s 7ms/step - loss: 0.6061 - accuracy: 0.  
5575 - val_loss: 0.6234 - val_accuracy: 0.5533 - lr: 0.0090  
Epoch 159/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6308 - accuracy: 0.5312  
Epoch 159: val_loss did not improve from 0.61917  
11/11 [=====] - 0s 9ms/step - loss: 0.6172 - accuracy: 0.  
5546 - val_loss: 0.6254 - val_accuracy: 0.5600 - lr: 0.0090  
Epoch 160/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5203 - accuracy: 0.7500  
Epoch 160: val_loss improved from 0.61917 to 0.61288, saving model to tmp/Weights-  
160--0.61288.hdf5  
11/11 [=====] - 0s 9ms/step - loss: 0.6052 - accuracy: 0.  
5948 - val_loss: 0.6129 - val_accuracy: 0.5600 - lr: 0.0090  
Epoch 161/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5647 - accuracy: 0.6250  
Epoch 161: val_loss did not improve from 0.61288  
11/11 [=====] - 0s 7ms/step - loss: 0.6020 - accuracy: 0.  
5632 - val_loss: 0.6212 - val_accuracy: 0.5600 - lr: 0.0090  
Epoch 162/1000  
11/11 [=====] - ETA: 0s - loss: 0.6020 - accuracy: 0.5661  
Epoch 162: val_loss did not improve from 0.61288  
11/11 [=====] - 0s 9ms/step - loss: 0.6020 - accuracy: 0.  
5661 - val_loss: 0.6169 - val_accuracy: 0.5533 - lr: 0.0090  
Epoch 163/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5438 - accuracy: 0.6250  
Epoch 163: val_loss did not improve from 0.61288  
11/11 [=====] - 0s 7ms/step - loss: 0.6078 - accuracy: 0.  
5460 - val_loss: 0.6272 - val_accuracy: 0.6000 - lr: 0.0090  
Epoch 164/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6051 - accuracy: 0.5625  
Epoch 164: val_loss did not improve from 0.61288  
11/11 [=====] - 0s 7ms/step - loss: 0.6094 - accuracy: 0.  
5575 - val_loss: 0.6235 - val_accuracy: 0.5133 - lr: 0.0090  
Epoch 165/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5385 - accuracy: 0.5625  
Epoch 165: val_loss did not improve from 0.61288  
11/11 [=====] - 0s 8ms/step - loss: 0.6056 - accuracy: 0.  
5460 - val_loss: 0.6244 - val_accuracy: 0.5800 - lr: 0.0090  
Epoch 166/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5629 - accuracy: 0.5312  
Epoch 166: val_loss did not improve from 0.61288  
11/11 [=====] - 0s 8ms/step - loss: 0.6082 - accuracy: 0.  
5632 - val_loss: 0.6217 - val_accuracy: 0.5200 - lr: 0.0090
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Epoch 167/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6089 - accuracy: 0.5000
Epoch 167: val_loss did not improve from 0.61288
11/11 [=====] - 0s 7ms/step - loss: 0.6006 - accuracy: 0.
5402 - val_loss: 0.6141 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 168/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6177 - accuracy: 0.4688
Epoch 168: val_loss did not improve from 0.61288
11/11 [=====] - 0s 7ms/step - loss: 0.6001 - accuracy: 0.
5316 - val_loss: 0.6181 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 169/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6532 - accuracy: 0.4688
Epoch 169: val_loss did not improve from 0.61288
11/11 [=====] - 0s 7ms/step - loss: 0.6014 - accuracy: 0.
5661 - val_loss: 0.6137 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 170/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5697 - accuracy: 0.5625
Epoch 170: val_loss did not improve from 0.61288
11/11 [=====] - 0s 8ms/step - loss: 0.6017 - accuracy: 0.
5718 - val_loss: 0.6171 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 171/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5474 - accuracy: 0.6562
Epoch 171: val_loss did not improve from 0.61288
11/11 [=====] - 0s 7ms/step - loss: 0.5995 - accuracy: 0.
5747 - val_loss: 0.6169 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 172/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6023 - accuracy: 0.5938
Epoch 172: val_loss did not improve from 0.61288
11/11 [=====] - 0s 7ms/step - loss: 0.6002 - accuracy: 0.
5805 - val_loss: 0.6160 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 173/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5732 - accuracy: 0.6250
Epoch 173: val_loss did not improve from 0.61288
11/11 [=====] - 0s 8ms/step - loss: 0.5982 - accuracy: 0.
5833 - val_loss: 0.6162 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 174/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6093 - accuracy: 0.6875
Epoch 174: val_loss did not improve from 0.61288
11/11 [=====] - 0s 7ms/step - loss: 0.5981 - accuracy: 0.
6006 - val_loss: 0.6221 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 175/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5806 - accuracy: 0.7500
Epoch 175: val_loss did not improve from 0.61288
11/11 [=====] - 0s 8ms/step - loss: 0.5973 - accuracy: 0.
5920 - val_loss: 0.6168 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 176/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6449 - accuracy: 0.5000
Epoch 176: val_loss did not improve from 0.61288
11/11 [=====] - 0s 7ms/step - loss: 0.5981 - accuracy: 0.
5690 - val_loss: 0.6152 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 177/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6049 - accuracy: 0.5000
Epoch 177: val_loss did not improve from 0.61288
11/11 [=====] - 0s 8ms/step - loss: 0.5979 - accuracy: 0.
5632 - val_loss: 0.6131 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 178/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5000 - accuracy: 0.8438
Epoch 178: val_loss improved from 0.61288 to 0.61217, saving model to tmp/Weights-
178--0.61217.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5954 - accuracy: 0.
5891 - val_loss: 0.6122 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 179/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6150 - accuracy: 0.7500
Epoch 179: val_loss did not improve from 0.61217
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11/11 [=====] - 0s 7ms/step - loss: 0.5952 - accuracy: 0.5747 - val_loss: 0.6169 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 180/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5403 - accuracy: 0.6875
Epoch 180: val_loss did not improve from 0.61217
11/11 [=====] - 0s 7ms/step - loss: 0.5978 - accuracy: 0.5805 - val_loss: 0.6159 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 181/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6112 - accuracy: 0.7188
Epoch 181: val_loss did not improve from 0.61217
11/11 [=====] - 0s 7ms/step - loss: 0.5948 - accuracy: 0.5632 - val_loss: 0.6179 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 182/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6379 - accuracy: 0.4375
Epoch 182: val_loss did not improve from 0.61217
11/11 [=====] - 0s 6ms/step - loss: 0.6041 - accuracy: 0.5460 - val_loss: 0.6144 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 183/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6163 - accuracy: 0.5312
Epoch 183: val_loss did not improve from 0.61217
11/11 [=====] - 0s 8ms/step - loss: 0.5977 - accuracy: 0.5201 - val_loss: 0.6201 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 184/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5404 - accuracy: 0.5938
Epoch 184: val_loss improved from 0.61217 to 0.60893, saving model to tmp/Weights-184--0.60893.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.5967 - accuracy: 0.5575 - val_loss: 0.6089 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 185/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5980 - accuracy: 0.5000
Epoch 185: val_loss did not improve from 0.60893
11/11 [=====] - 0s 6ms/step - loss: 0.5967 - accuracy: 0.5546 - val_loss: 0.6133 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 186/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5609 - accuracy: 0.7188
Epoch 186: val_loss did not improve from 0.60893
11/11 [=====] - 0s 7ms/step - loss: 0.5942 - accuracy: 0.5805 - val_loss: 0.6191 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 187/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5770 - accuracy: 0.6562
Epoch 187: val_loss did not improve from 0.60893
11/11 [=====] - 0s 8ms/step - loss: 0.5933 - accuracy: 0.5776 - val_loss: 0.6092 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 188/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5203 - accuracy: 0.5938
Epoch 188: val_loss did not improve from 0.60893
11/11 [=====] - 0s 7ms/step - loss: 0.5922 - accuracy: 0.5833 - val_loss: 0.6138 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 189/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5842 - accuracy: 0.5625
Epoch 189: val_loss did not improve from 0.60893
11/11 [=====] - 0s 8ms/step - loss: 0.5950 - accuracy: 0.5776 - val_loss: 0.6091 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 190/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5830 - accuracy: 0.5312
Epoch 190: val_loss did not improve from 0.60893
11/11 [=====] - 0s 8ms/step - loss: 0.5969 - accuracy: 0.5718 - val_loss: 0.6179 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 191/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6209 - accuracy: 0.5000
Epoch 191: val_loss did not improve from 0.60893
11/11 [=====] - 0s 8ms/step - loss: 0.5953 - accuracy: 0.5661 - val_loss: 0.6152 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 192/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5006 - accuracy: 0.6562
Epoch 192: val_loss did not improve from 0.60893
11/11 [=====] - 0s 8ms/step - loss: 0.5935 - accuracy: 0.
5747 - val_loss: 0.6126 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 193/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6160 - accuracy: 0.3750
Epoch 193: val_loss did not improve from 0.60893
11/11 [=====] - 0s 7ms/step - loss: 0.5975 - accuracy: 0.
5460 - val_loss: 0.6180 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 194/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6263 - accuracy: 0.5625
Epoch 194: val_loss did not improve from 0.60893
11/11 [=====] - 0s 7ms/step - loss: 0.6046 - accuracy: 0.
5862 - val_loss: 0.6256 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 195/1000
11/11 [=====] - ETA: 0s - loss: 0.5952 - accuracy: 0.5747
Epoch 195: val_loss did not improve from 0.60893
11/11 [=====] - 0s 10ms/step - loss: 0.5952 - accuracy:
0.5747 - val_loss: 0.6199 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 196/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5993 - accuracy: 0.5625
Epoch 196: val_loss improved from 0.60893 to 0.60787, saving model to tmp/Weights-
196--0.60787.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5934 - accuracy:
0.5718 - val_loss: 0.6079 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 197/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6351 - accuracy: 0.5625
Epoch 197: val_loss did not improve from 0.60787
11/11 [=====] - 0s 8ms/step - loss: 0.5905 - accuracy: 0.
5891 - val_loss: 0.6127 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 198/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5734 - accuracy: 0.7500
Epoch 198: val_loss did not improve from 0.60787
11/11 [=====] - 0s 8ms/step - loss: 0.5914 - accuracy: 0.
5833 - val_loss: 0.6158 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 199/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5569 - accuracy: 0.5625
Epoch 199: val_loss did not improve from 0.60787
11/11 [=====] - 0s 7ms/step - loss: 0.5894 - accuracy: 0.
5891 - val_loss: 0.6086 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 200/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5954 - accuracy: 0.5938
Epoch 200: val_loss did not improve from 0.60787
11/11 [=====] - 0s 8ms/step - loss: 0.5916 - accuracy: 0.
5575 - val_loss: 0.6100 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 201/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5853 - accuracy: 0.5000
Epoch 201: val_loss did not improve from 0.60787
11/11 [=====] - 0s 7ms/step - loss: 0.5880 - accuracy: 0.
5632 - val_loss: 0.6099 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 202/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5919 - accuracy: 0.5625
Epoch 202: val_loss improved from 0.60787 to 0.60718, saving model to tmp/Weights-
202--0.60718.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.5878 - accuracy: 0.
5747 - val_loss: 0.6072 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 203/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5716 - accuracy: 0.5625
Epoch 203: val_loss did not improve from 0.60718
11/11 [=====] - 0s 8ms/step - loss: 0.5869 - accuracy: 0.
5948 - val_loss: 0.6082 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 204/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6156 - accuracy: 0.5312
Epoch 204: val_loss did not improve from 0.60718
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11/11 [=====] - 0s 8ms/step - loss: 0.5886 - accuracy: 0.5575 - val_loss: 0.6185 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 205/1000
11/11 [=====] - ETA: 0s - loss: 0.5883 - accuracy: 0.5862
Epoch 205: val_loss did not improve from 0.60718
11/11 [=====] - 0s 9ms/step - loss: 0.5883 - accuracy: 0.5862 - val_loss: 0.6092 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 206/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5575 - accuracy: 0.5000
Epoch 206: val_loss did not improve from 0.60718
11/11 [=====] - 0s 8ms/step - loss: 0.5898 - accuracy: 0.5575 - val_loss: 0.6082 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 207/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6077 - accuracy: 0.7188
Epoch 207: val_loss did not improve from 0.60718
11/11 [=====] - 0s 8ms/step - loss: 0.5939 - accuracy: 0.5747 - val_loss: 0.6083 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 208/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6164 - accuracy: 0.6250
Epoch 208: val_loss did not improve from 0.60718
11/11 [=====] - 0s 9ms/step - loss: 0.5887 - accuracy: 0.6092 - val_loss: 0.6167 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 209/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6035 - accuracy: 0.7188
Epoch 209: val_loss did not improve from 0.60718
11/11 [=====] - 0s 8ms/step - loss: 0.5866 - accuracy: 0.6207 - val_loss: 0.6073 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 210/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6388 - accuracy: 0.5938
Epoch 210: val_loss did not improve from 0.60718
11/11 [=====] - 0s 7ms/step - loss: 0.5873 - accuracy: 0.6006 - val_loss: 0.6129 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 211/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5744 - accuracy: 0.4688
Epoch 211: val_loss did not improve from 0.60718
11/11 [=====] - 0s 7ms/step - loss: 0.5862 - accuracy: 0.5776 - val_loss: 0.6161 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 212/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6033 - accuracy: 0.5312
Epoch 212: val_loss improved from 0.60718 to 0.60249, saving model to tmp/Weights-212--0.60249.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.5854 - accuracy: 0.5862 - val_loss: 0.6025 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 213/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5965 - accuracy: 0.5625
Epoch 213: val_loss did not improve from 0.60249
11/11 [=====] - 0s 7ms/step - loss: 0.5864 - accuracy: 0.5747 - val_loss: 0.6108 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 214/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6043 - accuracy: 0.7188
Epoch 214: val_loss did not improve from 0.60249
11/11 [=====] - 0s 8ms/step - loss: 0.5852 - accuracy: 0.5718 - val_loss: 0.6066 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 215/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5489 - accuracy: 0.5938
Epoch 215: val_loss did not improve from 0.60249
11/11 [=====] - 0s 7ms/step - loss: 0.5853 - accuracy: 0.5603 - val_loss: 0.6145 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 216/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6431 - accuracy: 0.5625
Epoch 216: val_loss did not improve from 0.60249
11/11 [=====] - 0s 8ms/step - loss: 0.5865 - accuracy: 0.5517 - val_loss: 0.6109 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 217/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6317 - accuracy: 0.6250
Epoch 217: val_loss did not improve from 0.60249
11/11 [=====] - 0s 8ms/step - loss: 0.5831 - accuracy: 0.
5891 - val_loss: 0.6110 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 218/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5948 - accuracy: 0.5000
Epoch 218: val_loss did not improve from 0.60249
11/11 [=====] - 0s 8ms/step - loss: 0.5858 - accuracy: 0.
5805 - val_loss: 0.6106 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 219/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6135 - accuracy: 0.5938
Epoch 219: val_loss did not improve from 0.60249
11/11 [=====] - 0s 8ms/step - loss: 0.5835 - accuracy: 0.
5661 - val_loss: 0.6078 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 220/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6096 - accuracy: 0.5938
Epoch 220: val_loss did not improve from 0.60249
11/11 [=====] - 0s 8ms/step - loss: 0.5825 - accuracy: 0.
5948 - val_loss: 0.6122 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 221/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5700 - accuracy: 0.5625
Epoch 221: val_loss did not improve from 0.60249
11/11 [=====] - 0s 9ms/step - loss: 0.5833 - accuracy: 0.
6006 - val_loss: 0.6137 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 222/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5652 - accuracy: 0.7500
Epoch 222: val_loss did not improve from 0.60249
11/11 [=====] - 0s 7ms/step - loss: 0.5848 - accuracy: 0.
6178 - val_loss: 0.6034 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 223/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6287 - accuracy: 0.5938
Epoch 223: val_loss did not improve from 0.60249
11/11 [=====] - 0s 8ms/step - loss: 0.5872 - accuracy: 0.
5920 - val_loss: 0.6173 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 224/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5754 - accuracy: 0.5000
Epoch 224: val_loss did not improve from 0.60249
11/11 [=====] - 0s 8ms/step - loss: 0.5877 - accuracy: 0.
5546 - val_loss: 0.6111 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 225/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6232 - accuracy: 0.5625
Epoch 225: val_loss did not improve from 0.60249
11/11 [=====] - 0s 8ms/step - loss: 0.5826 - accuracy: 0.
5690 - val_loss: 0.6059 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 226/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5729 - accuracy: 0.5938
Epoch 226: val_loss did not improve from 0.60249
11/11 [=====] - 0s 8ms/step - loss: 0.5828 - accuracy: 0.
5833 - val_loss: 0.6058 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 227/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6285 - accuracy: 0.5625
Epoch 227: val_loss did not improve from 0.60249
11/11 [=====] - 0s 9ms/step - loss: 0.5837 - accuracy: 0.
5948 - val_loss: 0.6076 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 228/1000
11/11 [=====] - ETA: 0s - loss: 0.5816 - accuracy: 0.5718
Epoch 228: val_loss improved from 0.60249 to 0.60159, saving model to tmp/Weights-228--0.60159.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5816 - accuracy: 0.
5718 - val_loss: 0.6016 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 229/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6555 - accuracy: 0.5000
Epoch 229: val_loss improved from 0.60159 to 0.59682, saving model to tmp/Weights-229--0.59682.hdf5
```

```
11/11 [=====] - 0s 9ms/step - loss: 0.5809 - accuracy: 0.  
6121 - val_loss: 0.5968 - val_accuracy: 0.5600 - lr: 0.0090  
Epoch 230/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5737 - accuracy: 0.5625  
Epoch 230: val_loss did not improve from 0.59682  
11/11 [=====] - 0s 7ms/step - loss: 0.5827 - accuracy: 0.  
5546 - val_loss: 0.6116 - val_accuracy: 0.5800 - lr: 0.0090  
Epoch 231/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6260 - accuracy: 0.4688  
Epoch 231: val_loss did not improve from 0.59682  
11/11 [=====] - 0s 7ms/step - loss: 0.5828 - accuracy: 0.  
5546 - val_loss: 0.6058 - val_accuracy: 0.5600 - lr: 0.0090  
Epoch 232/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5932 - accuracy: 0.7188  
Epoch 232: val_loss did not improve from 0.59682  
11/11 [=====] - 0s 6ms/step - loss: 0.5818 - accuracy: 0.  
5948 - val_loss: 0.6025 - val_accuracy: 0.5733 - lr: 0.0090  
Epoch 233/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4724 - accuracy: 0.6562  
Epoch 233: val_loss did not improve from 0.59682  
11/11 [=====] - 0s 7ms/step - loss: 0.5798 - accuracy: 0.  
6063 - val_loss: 0.6016 - val_accuracy: 0.5933 - lr: 0.0090  
Epoch 234/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5300 - accuracy: 0.5312  
Epoch 234: val_loss did not improve from 0.59682  
11/11 [=====] - 0s 9ms/step - loss: 0.5804 - accuracy: 0.  
5891 - val_loss: 0.6049 - val_accuracy: 0.5867 - lr: 0.0090  
Epoch 235/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5447 - accuracy: 0.6250  
Epoch 235: val_loss did not improve from 0.59682  
11/11 [=====] - 0s 7ms/step - loss: 0.5798 - accuracy: 0.  
5920 - val_loss: 0.6049 - val_accuracy: 0.5933 - lr: 0.0090  
Epoch 236/1000  
11/11 [=====] - ETA: 0s - loss: 0.5792 - accuracy: 0.5805  
Epoch 236: val_loss did not improve from 0.59682  
11/11 [=====] - 0s 9ms/step - loss: 0.5792 - accuracy: 0.  
5805 - val_loss: 0.5990 - val_accuracy: 0.5533 - lr: 0.0090  
Epoch 237/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5374 - accuracy: 0.6875  
Epoch 237: val_loss did not improve from 0.59682  
11/11 [=====] - 0s 7ms/step - loss: 0.5808 - accuracy: 0.  
5977 - val_loss: 0.6039 - val_accuracy: 0.5067 - lr: 0.0090  
Epoch 238/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6128 - accuracy: 0.5625  
Epoch 238: val_loss did not improve from 0.59682  
11/11 [=====] - 0s 7ms/step - loss: 0.5787 - accuracy: 0.  
5891 - val_loss: 0.6044 - val_accuracy: 0.5867 - lr: 0.0090  
Epoch 239/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6181 - accuracy: 0.6562  
Epoch 239: val_loss did not improve from 0.59682  
11/11 [=====] - 0s 6ms/step - loss: 0.5824 - accuracy: 0.  
5776 - val_loss: 0.6016 - val_accuracy: 0.5600 - lr: 0.0090  
Epoch 240/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5902 - accuracy: 0.5312  
Epoch 240: val_loss did not improve from 0.59682  
11/11 [=====] - 0s 7ms/step - loss: 0.5807 - accuracy: 0.  
5661 - val_loss: 0.6116 - val_accuracy: 0.5867 - lr: 0.0090  
Epoch 241/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6504 - accuracy: 0.5625  
Epoch 241: val_loss did not improve from 0.59682  
11/11 [=====] - 0s 9ms/step - loss: 0.5820 - accuracy: 0.  
5603 - val_loss: 0.6003 - val_accuracy: 0.5400 - lr: 0.0090  
Epoch 242/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6177 - accuracy: 0.5625
```

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Epoch 242: val_loss did not improve from 0.59682
11/11 [=====] - 0s 9ms/step - loss: 0.5786 - accuracy: 0.
5776 - val_loss: 0.6094 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 243/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5202 - accuracy: 0.6562
Epoch 243: val_loss did not improve from 0.59682
11/11 [=====] - 0s 7ms/step - loss: 0.5794 - accuracy: 0.
5718 - val_loss: 0.6005 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 244/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4875 - accuracy: 0.5625
Epoch 244: val_loss did not improve from 0.59682
11/11 [=====] - 0s 7ms/step - loss: 0.5784 - accuracy: 0.
5948 - val_loss: 0.6050 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 245/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5397 - accuracy: 0.7188
Epoch 245: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5769 - accuracy: 0.
5948 - val_loss: 0.5998 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 246/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5485 - accuracy: 0.5625
Epoch 246: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5792 - accuracy: 0.
5805 - val_loss: 0.6059 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 247/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6236 - accuracy: 0.5312
Epoch 247: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5778 - accuracy: 0.
6063 - val_loss: 0.5996 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 248/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6124 - accuracy: 0.4062
Epoch 248: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5760 - accuracy: 0.
5948 - val_loss: 0.6063 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 249/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5368 - accuracy: 0.6562
Epoch 249: val_loss did not improve from 0.59682
11/11 [=====] - 0s 7ms/step - loss: 0.5771 - accuracy: 0.
6264 - val_loss: 0.5969 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 250/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5638 - accuracy: 0.6250
Epoch 250: val_loss did not improve from 0.59682
11/11 [=====] - 0s 7ms/step - loss: 0.5760 - accuracy: 0.
6006 - val_loss: 0.5997 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 251/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6666 - accuracy: 0.5625
Epoch 251: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5779 - accuracy: 0.
5833 - val_loss: 0.6101 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 252/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5856 - accuracy: 0.6875
Epoch 252: val_loss did not improve from 0.59682
11/11 [=====] - 0s 7ms/step - loss: 0.5781 - accuracy: 0.
5948 - val_loss: 0.6077 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 253/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5915 - accuracy: 0.6250
Epoch 253: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5800 - accuracy: 0.
6293 - val_loss: 0.5988 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 254/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5134 - accuracy: 0.7188
Epoch 254: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5760 - accuracy: 0.
5948 - val_loss: 0.6183 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 255/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5246 - accuracy: 0.6250
Epoch 255: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5852 - accuracy: 0.
5747 - val_loss: 0.6222 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 256/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5335 - accuracy: 0.6250
Epoch 256: val_loss did not improve from 0.59682
11/11 [=====] - 0s 7ms/step - loss: 0.5790 - accuracy: 0.
6379 - val_loss: 0.5990 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 257/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5295 - accuracy: 0.6875
Epoch 257: val_loss did not improve from 0.59682
11/11 [=====] - 0s 7ms/step - loss: 0.5768 - accuracy: 0.
5862 - val_loss: 0.6095 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 258/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5796 - accuracy: 0.5938
Epoch 258: val_loss did not improve from 0.59682
11/11 [=====] - 0s 9ms/step - loss: 0.5751 - accuracy: 0.
5948 - val_loss: 0.6004 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 259/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5493 - accuracy: 0.6562
Epoch 259: val_loss did not improve from 0.59682
11/11 [=====] - 0s 7ms/step - loss: 0.5756 - accuracy: 0.
6006 - val_loss: 0.6156 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 260/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4999 - accuracy: 0.7812
Epoch 260: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5750 - accuracy: 0.
6437 - val_loss: 0.6098 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 261/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5514 - accuracy: 0.7500
Epoch 261: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5749 - accuracy: 0.
5603 - val_loss: 0.5971 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 262/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6224 - accuracy: 0.3750
Epoch 262: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5737 - accuracy: 0.
5718 - val_loss: 0.5982 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 263/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5744 - accuracy: 0.5469
Epoch 263: val_loss did not improve from 0.59682
11/11 [=====] - 0s 11ms/step - loss: 0.5779 - accuracy:
0.5402 - val_loss: 0.6061 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 264/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5940 - accuracy: 0.5938
Epoch 264: val_loss did not improve from 0.59682
11/11 [=====] - 0s 7ms/step - loss: 0.5745 - accuracy: 0.
6063 - val_loss: 0.6011 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 265/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5813 - accuracy: 0.5938
Epoch 265: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5716 - accuracy: 0.
6437 - val_loss: 0.6020 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 266/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5303 - accuracy: 0.6250
Epoch 266: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5740 - accuracy: 0.
5632 - val_loss: 0.6004 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 267/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5029 - accuracy: 0.7188
Epoch 267: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5753 - accuracy: 0.
6006 - val_loss: 0.6321 - val_accuracy: 0.5333 - lr: 0.0090
```

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Epoch 268/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6276 - accuracy: 0.3750
Epoch 268: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5780 - accuracy: 0.
5632 - val_loss: 0.6057 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 269/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5702 - accuracy: 0.6562
Epoch 269: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5727 - accuracy: 0.
5805 - val_loss: 0.6070 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 270/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5397 - accuracy: 0.5000
Epoch 270: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5716 - accuracy: 0.
5690 - val_loss: 0.6036 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 271/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6234 - accuracy: 0.5625
Epoch 271: val_loss did not improve from 0.59682
11/11 [=====] - 0s 7ms/step - loss: 0.5766 - accuracy: 0.
5920 - val_loss: 0.6181 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 272/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5791 - accuracy: 0.6313
Epoch 272: val_loss did not improve from 0.59682
11/11 [=====] - 0s 11ms/step - loss: 0.5768 - accuracy: 0.
6293 - val_loss: 0.6176 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 273/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5664 - accuracy: 0.6250
Epoch 273: val_loss did not improve from 0.59682
11/11 [=====] - 0s 7ms/step - loss: 0.5755 - accuracy: 0.
6092 - val_loss: 0.6188 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 274/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6336 - accuracy: 0.5938
Epoch 274: val_loss did not improve from 0.59682
11/11 [=====] - 0s 7ms/step - loss: 0.5747 - accuracy: 0.
5690 - val_loss: 0.6165 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 275/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5320 - accuracy: 0.6875
Epoch 275: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5717 - accuracy: 0.
5977 - val_loss: 0.5994 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 276/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6102 - accuracy: 0.5625
Epoch 276: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5705 - accuracy: 0.
6149 - val_loss: 0.6052 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 277/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5435 - accuracy: 0.5625
Epoch 277: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5703 - accuracy: 0.
6437 - val_loss: 0.6062 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 278/1000
11/11 [=====] - ETA: 0s - loss: 0.5713 - accuracy: 0.6121
Epoch 278: val_loss did not improve from 0.59682
11/11 [=====] - 0s 11ms/step - loss: 0.5713 - accuracy: 0.
6121 - val_loss: 0.6075 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 279/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6126 - accuracy: 0.5938
Epoch 279: val_loss did not improve from 0.59682

Epoch 279: ReduceLROnPlateau reducing learning rate to 0.006299999728798866.
11/11 [=====] - 0s 8ms/step - loss: 0.5687 - accuracy: 0.
6178 - val_loss: 0.6015 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 280/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5803 - accuracy: 0.6562
```

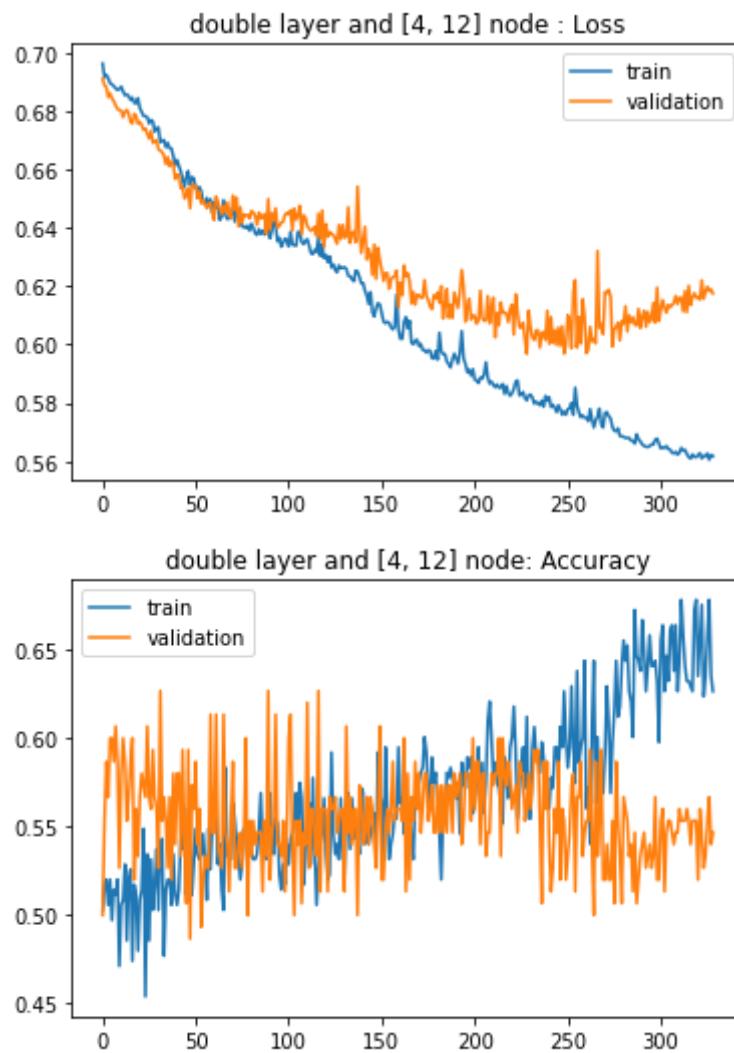
```
Epoch 280: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5686 - accuracy: 0.
6408 - val_loss: 0.6082 - val_accuracy: 0.5067 - lr: 0.0063
Epoch 281/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6309 - accuracy: 0.4688
Epoch 281: val_loss did not improve from 0.59682
11/11 [=====] - 0s 9ms/step - loss: 0.5684 - accuracy: 0.
6552 - val_loss: 0.6072 - val_accuracy: 0.5667 - lr: 0.0063
Epoch 282/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5435 - accuracy: 0.7188
Epoch 282: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5680 - accuracy: 0.
6437 - val_loss: 0.6132 - val_accuracy: 0.5600 - lr: 0.0063
Epoch 283/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4892 - accuracy: 0.7500
Epoch 283: val_loss did not improve from 0.59682
11/11 [=====] - 0s 7ms/step - loss: 0.5680 - accuracy: 0.
6523 - val_loss: 0.6045 - val_accuracy: 0.5533 - lr: 0.0063
Epoch 284/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5135 - accuracy: 0.6875
Epoch 284: val_loss did not improve from 0.59682
11/11 [=====] - 0s 7ms/step - loss: 0.5680 - accuracy: 0.
6264 - val_loss: 0.6100 - val_accuracy: 0.5333 - lr: 0.0063
Epoch 285/1000
11/11 [=====] - ETA: 0s - loss: 0.5671 - accuracy: 0.6207
Epoch 285: val_loss did not improve from 0.59682
11/11 [=====] - 0s 11ms/step - loss: 0.5671 - accuracy: 0.
6207 - val_loss: 0.6076 - val_accuracy: 0.5400 - lr: 0.0063
Epoch 286/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5916 - accuracy: 0.6250
Epoch 286: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5671 - accuracy: 0.
6006 - val_loss: 0.6093 - val_accuracy: 0.5133 - lr: 0.0063
Epoch 287/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5958 - accuracy: 0.6250
Epoch 287: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5661 - accuracy: 0.
6724 - val_loss: 0.6070 - val_accuracy: 0.5467 - lr: 0.0063
Epoch 288/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5063 - accuracy: 0.8125
Epoch 288: val_loss did not improve from 0.59682
11/11 [=====] - 0s 10ms/step - loss: 0.5692 - accuracy: 0.
6466 - val_loss: 0.6065 - val_accuracy: 0.5067 - lr: 0.0063
Epoch 289/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5891 - accuracy: 0.5938
Epoch 289: val_loss did not improve from 0.59682
11/11 [=====] - 0s 7ms/step - loss: 0.5675 - accuracy: 0.
6437 - val_loss: 0.6123 - val_accuracy: 0.5200 - lr: 0.0063
Epoch 290/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6432 - accuracy: 0.7188
Epoch 290: val_loss did not improve from 0.59682
11/11 [=====] - 0s 7ms/step - loss: 0.5668 - accuracy: 0.
6379 - val_loss: 0.6057 - val_accuracy: 0.5333 - lr: 0.0063
Epoch 291/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6064 - accuracy: 0.6875
Epoch 291: val_loss did not improve from 0.59682
11/11 [=====] - 0s 9ms/step - loss: 0.5658 - accuracy: 0.
6667 - val_loss: 0.6095 - val_accuracy: 0.5400 - lr: 0.0063
Epoch 292/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5423 - accuracy: 0.6562
Epoch 292: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5653 - accuracy: 0.
6494 - val_loss: 0.6116 - val_accuracy: 0.5467 - lr: 0.0063
Epoch 293/1000
```

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1/11 [=>.....] - ETA: 0s - loss: 0.5798 - accuracy: 0.6562
Epoch 293: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5650 - accuracy: 0.
6264 - val_loss: 0.6061 - val_accuracy: 0.5267 - lr: 0.0063
Epoch 294/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5789 - accuracy: 0.4688
Epoch 294: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5649 - accuracy: 0.
6408 - val_loss: 0.6112 - val_accuracy: 0.5333 - lr: 0.0063
Epoch 295/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6105 - accuracy: 0.5000
Epoch 295: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5652 - accuracy: 0.
6580 - val_loss: 0.6077 - val_accuracy: 0.5400 - lr: 0.0063
Epoch 296/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5656 - accuracy: 0.5938
Epoch 296: val_loss did not improve from 0.59682
11/11 [=====] - 0s 7ms/step - loss: 0.5658 - accuracy: 0.
6408 - val_loss: 0.6092 - val_accuracy: 0.5267 - lr: 0.0063
Epoch 297/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5845 - accuracy: 0.5312
Epoch 297: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5657 - accuracy: 0.
6408 - val_loss: 0.6143 - val_accuracy: 0.5333 - lr: 0.0063
Epoch 298/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5539 - accuracy: 0.6875
Epoch 298: val_loss did not improve from 0.59682
11/11 [=====] - 0s 7ms/step - loss: 0.5673 - accuracy: 0.
6437 - val_loss: 0.6075 - val_accuracy: 0.5667 - lr: 0.0063
Epoch 299/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5897 - accuracy: 0.5625
Epoch 299: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5677 - accuracy: 0.
6322 - val_loss: 0.6196 - val_accuracy: 0.5200 - lr: 0.0063
Epoch 300/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5488 - accuracy: 0.6250
Epoch 300: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5661 - accuracy: 0.
5977 - val_loss: 0.6081 - val_accuracy: 0.5200 - lr: 0.0063
Epoch 301/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5121 - accuracy: 0.7500
Epoch 301: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5644 - accuracy: 0.
6552 - val_loss: 0.6121 - val_accuracy: 0.5533 - lr: 0.0063
Epoch 302/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6023 - accuracy: 0.5000
Epoch 302: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5648 - accuracy: 0.
6638 - val_loss: 0.6153 - val_accuracy: 0.5600 - lr: 0.0063
Epoch 303/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5672 - accuracy: 0.6562
Epoch 303: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5645 - accuracy: 0.
6264 - val_loss: 0.6127 - val_accuracy: 0.5133 - lr: 0.0063
Epoch 304/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5708 - accuracy: 0.5938
Epoch 304: val_loss did not improve from 0.59682
11/11 [=====] - 0s 9ms/step - loss: 0.5652 - accuracy: 0.
6466 - val_loss: 0.6109 - val_accuracy: 0.5467 - lr: 0.0063
Epoch 305/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5920 - accuracy: 0.6250
Epoch 305: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5642 - accuracy: 0.
6322 - val_loss: 0.6136 - val_accuracy: 0.5533 - lr: 0.0063
```

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Epoch 306/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5769 - accuracy: 0.5625
Epoch 306: val_loss did not improve from 0.59682
11/11 [=====] - 0s 7ms/step - loss: 0.5640 - accuracy: 0.
6609 - val_loss: 0.6128 - val_accuracy: 0.5533 - lr: 0.0063
Epoch 307/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5916 - accuracy: 0.6250
Epoch 307: val_loss did not improve from 0.59682
11/11 [=====] - 0s 7ms/step - loss: 0.5629 - accuracy: 0.
6638 - val_loss: 0.6135 - val_accuracy: 0.5467 - lr: 0.0063
Epoch 308/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5452 - accuracy: 0.6875
Epoch 308: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5627 - accuracy: 0.
6379 - val_loss: 0.6143 - val_accuracy: 0.5400 - lr: 0.0063
Epoch 309/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5694 - accuracy: 0.5938
Epoch 309: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5632 - accuracy: 0.
6638 - val_loss: 0.6167 - val_accuracy: 0.5467 - lr: 0.0063
Epoch 310/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5343 - accuracy: 0.6875
Epoch 310: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5623 - accuracy: 0.
6264 - val_loss: 0.6139 - val_accuracy: 0.5467 - lr: 0.0063
Epoch 311/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6279 - accuracy: 0.3750
Epoch 311: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5629 - accuracy: 0.
6437 - val_loss: 0.6160 - val_accuracy: 0.5600 - lr: 0.0063
Epoch 312/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5942 - accuracy: 0.5938
Epoch 312: val_loss did not improve from 0.59682
11/11 [=====] - 0s 10ms/step - loss: 0.5646 - accuracy: 0.
6782 - val_loss: 0.6161 - val_accuracy: 0.5533 - lr: 0.0063
Epoch 313/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5409 - accuracy: 0.7500
Epoch 313: val_loss did not improve from 0.59682
11/11 [=====] - 0s 9ms/step - loss: 0.5636 - accuracy: 0.
6580 - val_loss: 0.6114 - val_accuracy: 0.5533 - lr: 0.0063
Epoch 314/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5298 - accuracy: 0.7812
Epoch 314: val_loss did not improve from 0.59682
11/11 [=====] - 0s 9ms/step - loss: 0.5639 - accuracy: 0.
6408 - val_loss: 0.6184 - val_accuracy: 0.5533 - lr: 0.0063
Epoch 315/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5591 - accuracy: 0.6469
Epoch 315: val_loss did not improve from 0.59682
11/11 [=====] - 0s 10ms/step - loss: 0.5625 - accuracy: 0.
6322 - val_loss: 0.6111 - val_accuracy: 0.5600 - lr: 0.0063
Epoch 316/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4775 - accuracy: 0.7188
Epoch 316: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5615 - accuracy: 0.
6322 - val_loss: 0.6202 - val_accuracy: 0.5533 - lr: 0.0063
Epoch 317/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4929 - accuracy: 0.5625
Epoch 317: val_loss did not improve from 0.59682
11/11 [=====] - 0s 7ms/step - loss: 0.5609 - accuracy: 0.
6293 - val_loss: 0.6135 - val_accuracy: 0.5400 - lr: 0.0063
Epoch 318/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5675 - accuracy: 0.6875
Epoch 318: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5624 - accuracy: 0.
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6264 - val_loss: 0.6162 - val_accuracy: 0.5533 - lr: 0.0063
Epoch 319/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4818 - accuracy: 0.6562
Epoch 319: val_loss did not improve from 0.59682
11/11 [=====] - 0s 10ms/step - loss: 0.5615 - accuracy: 0.6724 - val_loss: 0.6177 - val_accuracy: 0.5533 - lr: 0.0063
Epoch 320/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5690 - accuracy: 0.6250
Epoch 320: val_loss did not improve from 0.59682
11/11 [=====] - 0s 7ms/step - loss: 0.5614 - accuracy: 0.6782 - val_loss: 0.6162 - val_accuracy: 0.5533 - lr: 0.0063
Epoch 321/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5603 - accuracy: 0.5625
Epoch 321: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5621 - accuracy: 0.6351 - val_loss: 0.6164 - val_accuracy: 0.5200 - lr: 0.0063
Epoch 322/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5950 - accuracy: 0.5312
Epoch 322: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5628 - accuracy: 0.6552 - val_loss: 0.6154 - val_accuracy: 0.5600 - lr: 0.0063
Epoch 323/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5346 - accuracy: 0.6875
Epoch 323: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5610 - accuracy: 0.6753 - val_loss: 0.6221 - val_accuracy: 0.5467 - lr: 0.0063
Epoch 324/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5214 - accuracy: 0.6875
Epoch 324: val_loss did not improve from 0.59682
11/11 [=====] - 0s 7ms/step - loss: 0.5618 - accuracy: 0.6236 - val_loss: 0.6157 - val_accuracy: 0.5267 - lr: 0.0063
Epoch 325/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5973 - accuracy: 0.6562
Epoch 325: val_loss did not improve from 0.59682
11/11 [=====] - 0s 7ms/step - loss: 0.5618 - accuracy: 0.6351 - val_loss: 0.6180 - val_accuracy: 0.5333 - lr: 0.0063
Epoch 326/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5633 - accuracy: 0.6250
Epoch 326: val_loss did not improve from 0.59682
11/11 [=====] - 0s 9ms/step - loss: 0.5626 - accuracy: 0.6580 - val_loss: 0.6198 - val_accuracy: 0.5533 - lr: 0.0063
Epoch 327/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5629 - accuracy: 0.6875
Epoch 327: val_loss did not improve from 0.59682
11/11 [=====] - 0s 9ms/step - loss: 0.5605 - accuracy: 0.6782 - val_loss: 0.6183 - val_accuracy: 0.5667 - lr: 0.0063
Epoch 328/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5093 - accuracy: 0.5312
Epoch 328: val_loss did not improve from 0.59682
11/11 [=====] - 0s 8ms/step - loss: 0.5622 - accuracy: 0.6351 - val_loss: 0.6189 - val_accuracy: 0.5400 - lr: 0.0063
Epoch 329/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5883 - accuracy: 0.6250
Epoch 329: val_loss did not improve from 0.59682

Epoch 329: ReduceLROnPlateau reducing learning rate to 0.004409999679774046.
11/11 [=====] - 0s 9ms/step - loss: 0.5618 - accuracy: 0.6264 - val_loss: 0.6176 - val_accuracy: 0.5467 - lr: 0.0063
Epoch 329: early stopping
Final training loss for double layer and [4, 12] nodes: 0.5617656111717224
Final training accuracy for double layer and [4, 12] nodes 0.6264367699623108
Final validation loss for double layer and [4, 12] nodes 0.6175532341003418
Final validation accuracy for double layer and [4, 12] nodes 0.54666668176651
```



```
>>>>>>>>>>>>>>> Model training with double hidden layer and [4, 16] node>>>>
>>>>>>>
```

Model: "sequential_36"

Layer (type)	Output Shape	Param #
<hr/>		
dense_96 (Dense)	(None, 4)	12
dense_97 (Dense)	(None, 16)	80
dense_98 (Dense)	(None, 1)	17
<hr/>		
Total params: 109		
Trainable params: 109		
Non-trainable params: 0		

None
Epoch 1/1000
1/11 [=>.....] - ETA: 5s - loss: 0.6930 - accuracy: 0.5312
Epoch 1: val_loss improved from inf to 0.69507, saving model to tmp/Weights-001--0.69507.hdf5
11/11 [=====] - 1s 24ms/step - loss: 0.6984 - accuracy: 0.5000 - val_loss: 0.6951 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 2/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6888 - accuracy: 0.6250
Epoch 2: val_loss improved from 0.69507 to 0.69200, saving model to tmp/Weights-002--0.69200.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6933 - accuracy: 0.4885 - val_loss: 0.6920 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 3/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6911 - accuracy: 0.6562
Epoch 3: val_loss improved from 0.69200 to 0.69052, saving model to tmp/Weights-003--0.69052.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6931 - accuracy: 0.4971 - val_loss: 0.6905 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 4/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6902 - accuracy: 0.5000
Epoch 4: val_loss improved from 0.69052 to 0.68920, saving model to tmp/Weights-004--0.68920.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6917 - accuracy: 0.4684 - val_loss: 0.6892 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 5/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6925 - accuracy: 0.4375
Epoch 5: val_loss improved from 0.68920 to 0.68814, saving model to tmp/Weights-005--0.68814.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6901 - accuracy: 0.5489 - val_loss: 0.6881 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 6/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6843 - accuracy: 0.5938
Epoch 6: val_loss improved from 0.68814 to 0.68638, saving model to tmp/Weights-006--0.68638.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6898 - accuracy: 0.5144 - val_loss: 0.6864 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 7/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6820 - accuracy: 0.6562
Epoch 7: val_loss improved from 0.68638 to 0.68545, saving model to tmp/Weights-007--0.68545.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6885 - accuracy: 0.5287 - val_loss: 0.6855 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 8/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6830 - accuracy: 0.5625
Epoch 8: val_loss improved from 0.6845 to 0.68403, saving model to tmp/Weights-00
8--0.68403.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6877 - accuracy: 0.5402 - val_loss: 0.6840 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 9/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6901 - accuracy: 0.5312
Epoch 9: val_loss improved from 0.68403 to 0.68271, saving model to tmp/Weights-00
9--0.68271.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6873 - accuracy: 0.5431 - val_loss: 0.6827 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 10/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6706 - accuracy: 0.5625
Epoch 10: val_loss did not improve from 0.68271
11/11 [=====] - 0s 7ms/step - loss: 0.6880 - accuracy: 0.4885 - val_loss: 0.6829 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 11/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6953 - accuracy: 0.3750
Epoch 11: val_loss improved from 0.68271 to 0.67999, saving model to tmp/Weights-01
11--0.67999.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6901 - accuracy: 0.5230 - val_loss: 0.6800 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 12/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6830 - accuracy: 0.5312
Epoch 12: val_loss did not improve from 0.67999
11/11 [=====] - 0s 8ms/step - loss: 0.6855 - accuracy: 0.5172 - val_loss: 0.6832 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 13/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6515 - accuracy: 0.7188
Epoch 13: val_loss did not improve from 0.67999
11/11 [=====] - 0s 7ms/step - loss: 0.6856 - accuracy: 0.5086 - val_loss: 0.6806 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 14/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6908 - accuracy: 0.4375
Epoch 14: val_loss did not improve from 0.67999
11/11 [=====] - 0s 7ms/step - loss: 0.6860 - accuracy: 0.5287 - val_loss: 0.6810 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 15/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6835 - accuracy: 0.5625
Epoch 15: val_loss improved from 0.67999 to 0.67758, saving model to tmp/Weights-01
15--0.67758.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6855 - accuracy: 0.5603 - val_loss: 0.6776 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 16/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6611 - accuracy: 0.6875
Epoch 16: val_loss did not improve from 0.67758
11/11 [=====] - 0s 8ms/step - loss: 0.6835 - accuracy: 0.5172 - val_loss: 0.6793 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 17/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6631 - accuracy: 0.5938
Epoch 17: val_loss did not improve from 0.67758
11/11 [=====] - 0s 8ms/step - loss: 0.6833 - accuracy: 0.5115 - val_loss: 0.6782 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 18/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6785 - accuracy: 0.6250
Epoch 18: val_loss improved from 0.67758 to 0.67615, saving model to tmp/Weights-01
18--0.67615.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6818 - accuracy: 0.5057 - val_loss: 0.6761 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 19/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6406 - accuracy: 0.6250
Epoch 19: val_loss improved from 0.67615 to 0.67614, saving model to tmp/Weights-01
19--0.67614.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6818 - accuracy: 0.
```

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5000 - val_loss: 0.6761 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 20/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6734 - accuracy: 0.5312
Epoch 20: val_loss did not improve from 0.67614
11/11 [=====] - 0s 9ms/step - loss: 0.6823 - accuracy: 0.
5057 - val_loss: 0.6768 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 21/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6876 - accuracy: 0.4688
Epoch 21: val_loss improved from 0.67614 to 0.67482, saving model to tmp/Weights-0
21--0.67482.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6819 - accuracy:
0.5230 - val_loss: 0.6748 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 22/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6903 - accuracy: 0.4375
Epoch 22: val_loss improved from 0.67482 to 0.67428, saving model to tmp/Weights-0
22--0.67428.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6796 - accuracy: 0.
5115 - val_loss: 0.6743 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 23/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6652 - accuracy: 0.5938
Epoch 23: val_loss improved from 0.67428 to 0.67351, saving model to tmp/Weights-0
23--0.67351.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6808 - accuracy:
0.5144 - val_loss: 0.6735 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 24/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6927 - accuracy: 0.5000
Epoch 24: val_loss did not improve from 0.67351
11/11 [=====] - 0s 8ms/step - loss: 0.6807 - accuracy: 0.
5460 - val_loss: 0.6758 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 25/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6997 - accuracy: 0.4375
Epoch 25: val_loss improved from 0.67351 to 0.67125, saving model to tmp/Weights-0
25--0.67125.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6783 - accuracy:
0.5345 - val_loss: 0.6712 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 26/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6970 - accuracy: 0.4375
Epoch 26: val_loss did not improve from 0.67125
11/11 [=====] - 0s 7ms/step - loss: 0.6771 - accuracy: 0.
5230 - val_loss: 0.6718 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 27/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6298 - accuracy: 0.5312
Epoch 27: val_loss did not improve from 0.67125
11/11 [=====] - 0s 8ms/step - loss: 0.6775 - accuracy: 0.
5230 - val_loss: 0.6731 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 28/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6809 - accuracy: 0.5000
Epoch 28: val_loss did not improve from 0.67125
11/11 [=====] - 0s 8ms/step - loss: 0.6778 - accuracy: 0.
5374 - val_loss: 0.6720 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 29/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6388 - accuracy: 0.6562
Epoch 29: val_loss improved from 0.67125 to 0.66846, saving model to tmp/Weights-0
29--0.66846.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6753 - accuracy: 0.
5287 - val_loss: 0.6685 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 30/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6859 - accuracy: 0.5625
Epoch 30: val_loss did not improve from 0.66846
11/11 [=====] - 0s 7ms/step - loss: 0.6744 - accuracy: 0.
5144 - val_loss: 0.6700 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 31/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6160 - accuracy: 0.6875
Epoch 31: val_loss did not improve from 0.66846
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11/11 [=====] - 0s 7ms/step - loss: 0.6753 - accuracy: 0.  
5431 - val_loss: 0.6709 - val_accuracy: 0.5200 - lr: 0.0090  
Epoch 32/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7086 - accuracy: 0.4375  
Epoch 32: val_loss improved from 0.66846 to 0.66722, saving model to tmp/Weights-0  
32--0.66722.hdf5  
11/11 [=====] - 0s 10ms/step - loss: 0.6754 - accuracy:  
0.5517 - val_loss: 0.6672 - val_accuracy: 0.5267 - lr: 0.0090  
Epoch 33/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7191 - accuracy: 0.4375  
Epoch 33: val_loss improved from 0.66722 to 0.66643, saving model to tmp/Weights-0  
33--0.66643.hdf5  
11/11 [=====] - 0s 8ms/step - loss: 0.6736 - accuracy: 0.  
5431 - val_loss: 0.6664 - val_accuracy: 0.5267 - lr: 0.0090  
Epoch 34/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6839 - accuracy: 0.5938  
Epoch 34: val_loss did not improve from 0.66643  
11/11 [=====] - 0s 8ms/step - loss: 0.6735 - accuracy: 0.  
5345 - val_loss: 0.6674 - val_accuracy: 0.5400 - lr: 0.0090  
Epoch 35/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6725 - accuracy: 0.4688  
Epoch 35: val_loss did not improve from 0.66643  
11/11 [=====] - 0s 8ms/step - loss: 0.6732 - accuracy: 0.  
5316 - val_loss: 0.6681 - val_accuracy: 0.5467 - lr: 0.0090  
Epoch 36/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6586 - accuracy: 0.4688  
Epoch 36: val_loss improved from 0.66643 to 0.66519, saving model to tmp/Weights-0  
36--0.66519.hdf5  
11/11 [=====] - 0s 10ms/step - loss: 0.6713 - accuracy:  
0.5460 - val_loss: 0.6652 - val_accuracy: 0.5333 - lr: 0.0090  
Epoch 37/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6960 - accuracy: 0.4688  
Epoch 37: val_loss did not improve from 0.66519  
11/11 [=====] - 0s 7ms/step - loss: 0.6730 - accuracy: 0.  
5201 - val_loss: 0.6654 - val_accuracy: 0.5200 - lr: 0.0090  
Epoch 38/1000  
11/11 [=====] - ETA: 0s - loss: 0.6735 - accuracy: 0.5402  
Epoch 38: val_loss did not improve from 0.66519  
11/11 [=====] - 0s 11ms/step - loss: 0.6735 - accuracy:  
0.5402 - val_loss: 0.6704 - val_accuracy: 0.5733 - lr: 0.0090  
Epoch 39/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6774 - accuracy: 0.5938  
Epoch 39: val_loss improved from 0.66519 to 0.66289, saving model to tmp/Weights-0  
39--0.66289.hdf5  
11/11 [=====] - 0s 10ms/step - loss: 0.6718 - accuracy:  
0.5287 - val_loss: 0.6629 - val_accuracy: 0.5200 - lr: 0.0090  
Epoch 40/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7341 - accuracy: 0.3125  
Epoch 40: val_loss did not improve from 0.66289  
11/11 [=====] - 0s 9ms/step - loss: 0.6729 - accuracy: 0.  
5431 - val_loss: 0.6659 - val_accuracy: 0.5667 - lr: 0.0090  
Epoch 41/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6595 - accuracy: 0.5938  
Epoch 41: val_loss did not improve from 0.66289  
11/11 [=====] - 0s 7ms/step - loss: 0.6703 - accuracy: 0.  
5661 - val_loss: 0.6666 - val_accuracy: 0.5667 - lr: 0.0090  
Epoch 42/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6272 - accuracy: 0.6562  
Epoch 42: val_loss did not improve from 0.66289  
11/11 [=====] - 0s 7ms/step - loss: 0.6700 - accuracy: 0.  
5402 - val_loss: 0.6652 - val_accuracy: 0.5733 - lr: 0.0090  
Epoch 43/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6603 - accuracy: 0.6250  
Epoch 43: val_loss did not improve from 0.66289
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11/11 [=====] - 0s 7ms/step - loss: 0.6696 - accuracy: 0.  
5661 - val_loss: 0.6680 - val_accuracy: 0.5733 - lr: 0.0090  
Epoch 44/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6393 - accuracy: 0.6875  
Epoch 44: val_loss did not improve from 0.66289  
11/11 [=====] - 0s 8ms/step - loss: 0.6701 - accuracy: 0.  
5661 - val_loss: 0.6637 - val_accuracy: 0.5600 - lr: 0.0090  
Epoch 45/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5838 - accuracy: 0.6875  
Epoch 45: val_loss did not improve from 0.66289  
11/11 [=====] - 0s 7ms/step - loss: 0.6692 - accuracy: 0.  
5575 - val_loss: 0.6640 - val_accuracy: 0.5667 - lr: 0.0090  
Epoch 46/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6923 - accuracy: 0.5000  
Epoch 46: val_loss did not improve from 0.66289  
11/11 [=====] - 0s 7ms/step - loss: 0.6681 - accuracy: 0.  
5575 - val_loss: 0.6640 - val_accuracy: 0.5733 - lr: 0.0090  
Epoch 47/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6639 - accuracy: 0.6250  
Epoch 47: val_loss improved from 0.66289 to 0.66096, saving model to tmp/Weights-0  
47--0.66096.hdf5  
11/11 [=====] - 0s 10ms/step - loss: 0.6713 - accuracy:  
0.5431 - val_loss: 0.6610 - val_accuracy: 0.5533 - lr: 0.0090  
Epoch 48/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7141 - accuracy: 0.3125  
Epoch 48: val_loss did not improve from 0.66096  
11/11 [=====] - 0s 9ms/step - loss: 0.6699 - accuracy: 0.  
5259 - val_loss: 0.6633 - val_accuracy: 0.5667 - lr: 0.0090  
Epoch 49/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7218 - accuracy: 0.3438  
Epoch 49: val_loss did not improve from 0.66096  
11/11 [=====] - 0s 7ms/step - loss: 0.6699 - accuracy: 0.  
5374 - val_loss: 0.6624 - val_accuracy: 0.5600 - lr: 0.0090  
Epoch 50/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6979 - accuracy: 0.4688  
Epoch 50: val_loss did not improve from 0.66096  
11/11 [=====] - 0s 7ms/step - loss: 0.6687 - accuracy: 0.  
5374 - val_loss: 0.6620 - val_accuracy: 0.5667 - lr: 0.0090  
Epoch 51/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6956 - accuracy: 0.5000  
Epoch 51: val_loss did not improve from 0.66096  
11/11 [=====] - 0s 8ms/step - loss: 0.6672 - accuracy: 0.  
5603 - val_loss: 0.6613 - val_accuracy: 0.5733 - lr: 0.0090  
Epoch 52/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6706 - accuracy: 0.5938  
Epoch 52: val_loss did not improve from 0.66096  
11/11 [=====] - 0s 7ms/step - loss: 0.6691 - accuracy: 0.  
5230 - val_loss: 0.6623 - val_accuracy: 0.5600 - lr: 0.0090  
Epoch 53/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6522 - accuracy: 0.4375  
Epoch 53: val_loss improved from 0.66096 to 0.65927, saving model to tmp/Weights-0  
53--0.65927.hdf5  
11/11 [=====] - 0s 9ms/step - loss: 0.6704 - accuracy: 0.  
5287 - val_loss: 0.6593 - val_accuracy: 0.5600 - lr: 0.0090  
Epoch 54/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6595 - accuracy: 0.5625  
Epoch 54: val_loss did not improve from 0.65927  
11/11 [=====] - 0s 7ms/step - loss: 0.6683 - accuracy: 0.  
5345 - val_loss: 0.6653 - val_accuracy: 0.5533 - lr: 0.0090  
Epoch 55/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6944 - accuracy: 0.4688  
Epoch 55: val_loss did not improve from 0.65927  
11/11 [=====] - 0s 7ms/step - loss: 0.6682 - accuracy: 0.  
5172 - val_loss: 0.6627 - val_accuracy: 0.5533 - lr: 0.0090
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Epoch 56/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6920 - accuracy: 0.4688
Epoch 56: val_loss did not improve from 0.65927
11/11 [=====] - 0s 7ms/step - loss: 0.6684 - accuracy: 0.
5345 - val_loss: 0.6637 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 57/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6516 - accuracy: 0.5625
Epoch 57: val_loss did not improve from 0.65927
11/11 [=====] - 0s 7ms/step - loss: 0.6672 - accuracy: 0.
5460 - val_loss: 0.6594 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 58/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6786 - accuracy: 0.4688
Epoch 58: val_loss improved from 0.65927 to 0.65698, saving model to tmp/Weights-0
58--0.65698.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6650 - accuracy: 0.
5287 - val_loss: 0.6570 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 59/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6710 - accuracy: 0.3750
Epoch 59: val_loss did not improve from 0.65698
11/11 [=====] - 0s 9ms/step - loss: 0.6700 - accuracy: 0.
5632 - val_loss: 0.6582 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 60/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6843 - accuracy: 0.4375
Epoch 60: val_loss did not improve from 0.65698
11/11 [=====] - 0s 8ms/step - loss: 0.6671 - accuracy: 0.
5517 - val_loss: 0.6607 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 61/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6783 - accuracy: 0.5000
Epoch 61: val_loss improved from 0.65698 to 0.65583, saving model to tmp/Weights-0
61--0.65583.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6649 - accuracy: 0.
5460 - val_loss: 0.6558 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 62/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6779 - accuracy: 0.6562
Epoch 62: val_loss did not improve from 0.65583
11/11 [=====] - 0s 7ms/step - loss: 0.6643 - accuracy: 0.
5575 - val_loss: 0.6590 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 63/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6935 - accuracy: 0.5312
Epoch 63: val_loss improved from 0.65583 to 0.65396, saving model to tmp/Weights-0
63--0.65396.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6648 - accuracy: 0.
5489 - val_loss: 0.6540 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 64/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6567 - accuracy: 0.6250
Epoch 64: val_loss did not improve from 0.65396
11/11 [=====] - 0s 7ms/step - loss: 0.6626 - accuracy: 0.
5575 - val_loss: 0.6566 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 65/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6556 - accuracy: 0.5000
Epoch 65: val_loss improved from 0.65396 to 0.65363, saving model to tmp/Weights-0
65--0.65363.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6620 - accuracy:
0.5632 - val_loss: 0.6536 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 66/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6688 - accuracy: 0.4375
Epoch 66: val_loss did not improve from 0.65363
11/11 [=====] - 0s 6ms/step - loss: 0.6634 - accuracy: 0.
5402 - val_loss: 0.6543 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 67/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6633 - accuracy: 0.5625
Epoch 67: val_loss improved from 0.65363 to 0.65246, saving model to tmp/Weights-0
67--0.65246.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6615 - accuracy:
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0.5546 - val_loss: 0.6525 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 68/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6761 - accuracy: 0.5938
Epoch 68: val_loss did not improve from 0.65246
11/11 [=====] - 0s 7ms/step - loss: 0.6614 - accuracy: 0.
5431 - val_loss: 0.6540 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 69/1000
11/11 [=====] - ETA: 0s - loss: 0.6622 - accuracy: 0.5603
Epoch 69: val_loss did not improve from 0.65246
11/11 [=====] - 0s 9ms/step - loss: 0.6622 - accuracy: 0.
5603 - val_loss: 0.6551 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 70/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6555 - accuracy: 0.5312
Epoch 70: val_loss improved from 0.65246 to 0.65218, saving model to tmp/Weights-0
70--0.65218.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6625 - accuracy:
0.5460 - val_loss: 0.6522 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 71/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6910 - accuracy: 0.5312
Epoch 71: val_loss improved from 0.65218 to 0.64959, saving model to tmp/Weights-0
71--0.64959.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6612 - accuracy:
0.5517 - val_loss: 0.6496 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 72/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6725 - accuracy: 0.4688
Epoch 72: val_loss did not improve from 0.64959
11/11 [=====] - 0s 8ms/step - loss: 0.6597 - accuracy: 0.
5747 - val_loss: 0.6529 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 73/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7010 - accuracy: 0.3750
Epoch 73: val_loss did not improve from 0.64959
11/11 [=====] - 0s 8ms/step - loss: 0.6596 - accuracy: 0.
5747 - val_loss: 0.6516 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 74/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6266 - accuracy: 0.5625
Epoch 74: val_loss did not improve from 0.64959
11/11 [=====] - 0s 8ms/step - loss: 0.6636 - accuracy: 0.
5316 - val_loss: 0.6543 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 75/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6789 - accuracy: 0.6250
Epoch 75: val_loss did not improve from 0.64959
11/11 [=====] - 0s 7ms/step - loss: 0.6611 - accuracy: 0.
5489 - val_loss: 0.6538 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 76/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6632 - accuracy: 0.5312
Epoch 76: val_loss did not improve from 0.64959
11/11 [=====] - 0s 7ms/step - loss: 0.6612 - accuracy: 0.
5575 - val_loss: 0.6528 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 77/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6648 - accuracy: 0.5938
Epoch 77: val_loss improved from 0.64959 to 0.64858, saving model to tmp/Weights-0
77--0.64858.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6610 - accuracy:
0.5776 - val_loss: 0.6486 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 78/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6728 - accuracy: 0.5000
Epoch 78: val_loss did not improve from 0.64858
11/11 [=====] - 0s 7ms/step - loss: 0.6589 - accuracy: 0.
5747 - val_loss: 0.6497 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 79/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6792 - accuracy: 0.4688
Epoch 79: val_loss improved from 0.64858 to 0.64522, saving model to tmp/Weights-0
79--0.64522.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6577 - accuracy:
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0.5517 - val_loss: 0.6452 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 80/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6563 - accuracy: 0.5938
Epoch 80: val_loss did not improve from 0.64522
11/11 [=====] - 0s 8ms/step - loss: 0.6586 - accuracy: 0.
5718 - val_loss: 0.6523 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 81/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6583 - accuracy: 0.5000
Epoch 81: val_loss did not improve from 0.64522
11/11 [=====] - 0s 7ms/step - loss: 0.6584 - accuracy: 0.
5690 - val_loss: 0.6462 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 82/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6242 - accuracy: 0.5625
Epoch 82: val_loss improved from 0.64522 to 0.64476, saving model to tmp/Weights-0
82--0.64476.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6580 - accuracy:
0.5690 - val_loss: 0.6448 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 83/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6452 - accuracy: 0.7188
Epoch 83: val_loss did not improve from 0.64476
11/11 [=====] - 0s 7ms/step - loss: 0.6559 - accuracy: 0.
5690 - val_loss: 0.6529 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 84/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6599 - accuracy: 0.5000
Epoch 84: val_loss improved from 0.64476 to 0.64343, saving model to tmp/Weights-0
84--0.64343.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6552 - accuracy:
0.5805 - val_loss: 0.6434 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 85/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6378 - accuracy: 0.4688
Epoch 85: val_loss did not improve from 0.64343
11/11 [=====] - 0s 7ms/step - loss: 0.6595 - accuracy: 0.
5402 - val_loss: 0.6518 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 86/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6368 - accuracy: 0.6250
Epoch 86: val_loss did not improve from 0.64343
11/11 [=====] - 0s 8ms/step - loss: 0.6576 - accuracy: 0.
5632 - val_loss: 0.6466 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 87/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6241 - accuracy: 0.6250
Epoch 87: val_loss did not improve from 0.64343
11/11 [=====] - 0s 8ms/step - loss: 0.6561 - accuracy: 0.
5805 - val_loss: 0.6471 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 88/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6586 - accuracy: 0.5938
Epoch 88: val_loss did not improve from 0.64343
11/11 [=====] - 0s 7ms/step - loss: 0.6542 - accuracy: 0.
5690 - val_loss: 0.6442 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 89/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6559 - accuracy: 0.5688
Epoch 89: val_loss improved from 0.64343 to 0.64275, saving model to tmp/Weights-0
89--0.64275.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6554 - accuracy:
0.5661 - val_loss: 0.6428 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 90/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5906 - accuracy: 0.7188
Epoch 90: val_loss did not improve from 0.64275
11/11 [=====] - 0s 7ms/step - loss: 0.6611 - accuracy: 0.
5747 - val_loss: 0.6531 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 91/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6417 - accuracy: 0.6562
Epoch 91: val_loss did not improve from 0.64275
11/11 [=====] - 0s 7ms/step - loss: 0.6626 - accuracy: 0.
5546 - val_loss: 0.6538 - val_accuracy: 0.5800 - lr: 0.0090
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Epoch 92/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6410 - accuracy: 0.6562
Epoch 92: val_loss did not improve from 0.64275
11/11 [=====] - 0s 7ms/step - loss: 0.6596 - accuracy: 0.
5431 - val_loss: 0.6483 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 93/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6344 - accuracy: 0.6875
Epoch 93: val_loss did not improve from 0.64275
11/11 [=====] - 0s 8ms/step - loss: 0.6594 - accuracy: 0.
5805 - val_loss: 0.6485 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 94/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6680 - accuracy: 0.4375
Epoch 94: val_loss did not improve from 0.64275
11/11 [=====] - 0s 7ms/step - loss: 0.6571 - accuracy: 0.
5374 - val_loss: 0.6434 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 95/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6602 - accuracy: 0.6875
Epoch 95: val_loss did not improve from 0.64275
11/11 [=====] - 0s 8ms/step - loss: 0.6536 - accuracy: 0.
5489 - val_loss: 0.6479 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 96/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6598 - accuracy: 0.6875
Epoch 96: val_loss improved from 0.64275 to 0.64217, saving model to tmp/Weights-0
96--0.64217.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6558 - accuracy: 0.
5489 - val_loss: 0.6422 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 97/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6910 - accuracy: 0.4688
Epoch 97: val_loss improved from 0.64217 to 0.64044, saving model to tmp/Weights-0
97--0.64044.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6530 - accuracy: 0.
5489 - val_loss: 0.6404 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 98/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6922 - accuracy: 0.5000
Epoch 98: val_loss did not improve from 0.64044
11/11 [=====] - 0s 8ms/step - loss: 0.6509 - accuracy: 0.
5661 - val_loss: 0.6444 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 99/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6373 - accuracy: 0.5625
Epoch 99: val_loss did not improve from 0.64044
11/11 [=====] - 0s 8ms/step - loss: 0.6519 - accuracy: 0.
5805 - val_loss: 0.6404 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 100/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6948 - accuracy: 0.4375
Epoch 100: val_loss improved from 0.64044 to 0.63953, saving model to tmp/Weights-
100--0.63953.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6502 - accuracy: 0.
5747 - val_loss: 0.6395 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 101/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6084 - accuracy: 0.5938
Epoch 101: val_loss did not improve from 0.63953
11/11 [=====] - 0s 7ms/step - loss: 0.6510 - accuracy: 0.
5546 - val_loss: 0.6417 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 102/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6244 - accuracy: 0.6250
Epoch 102: val_loss did not improve from 0.63953
11/11 [=====] - 0s 6ms/step - loss: 0.6555 - accuracy: 0.
5489 - val_loss: 0.6503 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 103/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6681 - accuracy: 0.4375
Epoch 103: val_loss improved from 0.63953 to 0.63939, saving model to tmp/Weights-
103--0.63939.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6581 - accuracy: 0.
5718 - val_loss: 0.6394 - val_accuracy: 0.5733 - lr: 0.0090
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Epoch 104/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6373 - accuracy: 0.6250
Epoch 104: val_loss did not improve from 0.63939
11/11 [=====] - 0s 7ms/step - loss: 0.6525 - accuracy: 0.
5460 - val_loss: 0.6503 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 105/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6091 - accuracy: 0.6562
Epoch 105: val_loss did not improve from 0.63939
11/11 [=====] - 0s 6ms/step - loss: 0.6528 - accuracy: 0.
5546 - val_loss: 0.6461 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 106/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5849 - accuracy: 0.5938
Epoch 106: val_loss did not improve from 0.63939
11/11 [=====] - 0s 8ms/step - loss: 0.6530 - accuracy: 0.
5603 - val_loss: 0.6439 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 107/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6742 - accuracy: 0.4688
Epoch 107: val_loss did not improve from 0.63939
11/11 [=====] - 0s 8ms/step - loss: 0.6516 - accuracy: 0.
5374 - val_loss: 0.6440 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 108/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6394 - accuracy: 0.5625
Epoch 108: val_loss improved from 0.63939 to 0.63887, saving model to tmp/Weights-
108--0.63887.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6482 - accuracy: 0.
5546 - val_loss: 0.6389 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 109/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6139 - accuracy: 0.6562
Epoch 109: val_loss did not improve from 0.63887
11/11 [=====] - 0s 7ms/step - loss: 0.6510 - accuracy: 0.
5546 - val_loss: 0.6439 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 110/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6572 - accuracy: 0.6250
Epoch 110: val_loss did not improve from 0.63887
11/11 [=====] - 0s 8ms/step - loss: 0.6505 - accuracy: 0.
5718 - val_loss: 0.6395 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 111/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6622 - accuracy: 0.5938
Epoch 111: val_loss did not improve from 0.63887
11/11 [=====] - 0s 9ms/step - loss: 0.6489 - accuracy: 0.
5489 - val_loss: 0.6398 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 112/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6644 - accuracy: 0.6250
Epoch 112: val_loss improved from 0.63887 to 0.63875, saving model to tmp/Weights-
112--0.63875.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6483 - accuracy: 0.
5603 - val_loss: 0.6387 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 113/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6744 - accuracy: 0.5625
Epoch 113: val_loss did not improve from 0.63875
11/11 [=====] - 0s 8ms/step - loss: 0.6484 - accuracy: 0.
5690 - val_loss: 0.6462 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 114/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6560 - accuracy: 0.4375
Epoch 114: val_loss did not improve from 0.63875
11/11 [=====] - 0s 7ms/step - loss: 0.6500 - accuracy: 0.
5460 - val_loss: 0.6415 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 115/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6099 - accuracy: 0.6875
Epoch 115: val_loss did not improve from 0.63875
11/11 [=====] - 0s 8ms/step - loss: 0.6519 - accuracy: 0.
5690 - val_loss: 0.6476 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 116/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6649 - accuracy: 0.6875
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Epoch 116: val_loss did not improve from 0.63875
11/11 [=====] - 0s 7ms/step - loss: 0.6533 - accuracy: 0.
5661 - val_loss: 0.6472 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 117/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7119 - accuracy: 0.3750
Epoch 117: val_loss did not improve from 0.63875
11/11 [=====] - 0s 7ms/step - loss: 0.6532 - accuracy: 0.
5517 - val_loss: 0.6394 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 118/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6046 - accuracy: 0.5938
Epoch 118: val_loss did not improve from 0.63875
11/11 [=====] - 0s 8ms/step - loss: 0.6454 - accuracy: 0.
5603 - val_loss: 0.6432 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 119/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6211 - accuracy: 0.6250
Epoch 119: val_loss did not improve from 0.63875
11/11 [=====] - 0s 8ms/step - loss: 0.6493 - accuracy: 0.
5690 - val_loss: 0.6450 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 120/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6484 - accuracy: 0.5625
Epoch 120: val_loss did not improve from 0.63875
11/11 [=====] - 0s 7ms/step - loss: 0.6479 - accuracy: 0.
5489 - val_loss: 0.6467 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 121/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6490 - accuracy: 0.5312
Epoch 121: val_loss improved from 0.63875 to 0.63711, saving model to tmp/Weights-121--0.63711.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6477 - accuracy: 0.
5546 - val_loss: 0.6371 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 122/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6140 - accuracy: 0.7188
Epoch 122: val_loss improved from 0.63711 to 0.63707, saving model to tmp/Weights-122--0.63707.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6448 - accuracy: 0.
5603 - val_loss: 0.6371 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 123/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6473 - accuracy: 0.6250
Epoch 123: val_loss did not improve from 0.63707
11/11 [=====] - 0s 8ms/step - loss: 0.6449 - accuracy: 0.
5603 - val_loss: 0.6382 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 124/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6126 - accuracy: 0.6562
Epoch 124: val_loss did not improve from 0.63707
11/11 [=====] - 0s 8ms/step - loss: 0.6446 - accuracy: 0.
5661 - val_loss: 0.6379 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 125/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6389 - accuracy: 0.5312
Epoch 125: val_loss did not improve from 0.63707
11/11 [=====] - 0s 7ms/step - loss: 0.6450 - accuracy: 0.
5603 - val_loss: 0.6379 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 126/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6209 - accuracy: 0.5312
Epoch 126: val_loss improved from 0.63707 to 0.63707, saving model to tmp/Weights-126--0.63707.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6478 - accuracy: 0.
5718 - val_loss: 0.6371 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 127/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6496 - accuracy: 0.5938
Epoch 127: val_loss improved from 0.63707 to 0.63640, saving model to tmp/Weights-127--0.63640.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6444 - accuracy: 0.
5977 - val_loss: 0.6364 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 128/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6402 - accuracy: 0.4688
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Epoch 128: val_loss did not improve from 0.63640
11/11 [=====] - 0s 7ms/step - loss: 0.6460 - accuracy: 0.
5517 - val_loss: 0.6371 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 129/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6606 - accuracy: 0.5938
Epoch 129: val_loss did not improve from 0.63640
11/11 [=====] - 0s 7ms/step - loss: 0.6445 - accuracy: 0.
5575 - val_loss: 0.6370 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 130/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6602 - accuracy: 0.5312
Epoch 130: val_loss improved from 0.63640 to 0.63596, saving model to tmp/Weights-130--0.63596.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6444 - accuracy: 0.
5632 - val_loss: 0.6360 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 131/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6870 - accuracy: 0.5312
Epoch 131: val_loss did not improve from 0.63596
11/11 [=====] - 0s 7ms/step - loss: 0.6440 - accuracy: 0.
5776 - val_loss: 0.6362 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 132/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6128 - accuracy: 0.5625
Epoch 132: val_loss did not improve from 0.63596
11/11 [=====] - 0s 7ms/step - loss: 0.6444 - accuracy: 0.
5517 - val_loss: 0.6373 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 133/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6737 - accuracy: 0.5312
Epoch 133: val_loss did not improve from 0.63596
11/11 [=====] - 0s 8ms/step - loss: 0.6439 - accuracy: 0.
5603 - val_loss: 0.6389 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 134/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6810 - accuracy: 0.5938
Epoch 134: val_loss improved from 0.63596 to 0.63385, saving model to tmp/Weights-134--0.63385.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6437 - accuracy: 0.
5575 - val_loss: 0.6339 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 135/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6130 - accuracy: 0.5625
Epoch 135: val_loss did not improve from 0.63385
11/11 [=====] - 0s 8ms/step - loss: 0.6431 - accuracy: 0.
5776 - val_loss: 0.6350 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 136/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6470 - accuracy: 0.5625
Epoch 136: val_loss did not improve from 0.63385
11/11 [=====] - 0s 7ms/step - loss: 0.6457 - accuracy: 0.
5776 - val_loss: 0.6373 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 137/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6280 - accuracy: 0.5625
Epoch 137: val_loss did not improve from 0.63385
11/11 [=====] - 0s 8ms/step - loss: 0.6461 - accuracy: 0.
5747 - val_loss: 0.6344 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 138/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6127 - accuracy: 0.6250
Epoch 138: val_loss improved from 0.63385 to 0.63303, saving model to tmp/Weights-138--0.63303.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6458 - accuracy: 0.
5805 - val_loss: 0.6330 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 139/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6549 - accuracy: 0.4688
Epoch 139: val_loss did not improve from 0.63303
11/11 [=====] - 0s 7ms/step - loss: 0.6415 - accuracy: 0.
5661 - val_loss: 0.6349 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 140/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5991 - accuracy: 0.5938
Epoch 140: val_loss did not improve from 0.63303
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11/11 [=====] - 0s 8ms/step - loss: 0.6442 - accuracy: 0.5575 - val_loss: 0.6382 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 141/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5727 - accuracy: 0.7500
Epoch 141: val_loss improved from 0.63303 to 0.63053, saving model to tmp/Weights-141--0.63053.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6439 - accuracy: 0.5920 - val_loss: 0.6305 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 142/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6028 - accuracy: 0.7188
Epoch 142: val_loss did not improve from 0.63053
11/11 [=====] - 0s 9ms/step - loss: 0.6418 - accuracy: 0.5776 - val_loss: 0.6347 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 143/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6006 - accuracy: 0.5938
Epoch 143: val_loss did not improve from 0.63053
11/11 [=====] - 0s 7ms/step - loss: 0.6452 - accuracy: 0.5661 - val_loss: 0.6327 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 144/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6435 - accuracy: 0.5312
Epoch 144: val_loss did not improve from 0.63053
11/11 [=====] - 0s 7ms/step - loss: 0.6420 - accuracy: 0.5747 - val_loss: 0.6307 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 145/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6010 - accuracy: 0.6875
Epoch 145: val_loss improved from 0.63053 to 0.62917, saving model to tmp/Weights-145--0.62917.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6427 - accuracy: 0.5776 - val_loss: 0.6292 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 146/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6496 - accuracy: 0.6875
Epoch 146: val_loss did not improve from 0.62917
11/11 [=====] - 0s 7ms/step - loss: 0.6443 - accuracy: 0.5718 - val_loss: 0.6298 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 147/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6484 - accuracy: 0.5938
Epoch 147: val_loss improved from 0.62917 to 0.62565, saving model to tmp/Weights-147--0.62565.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6408 - accuracy: 0.5862 - val_loss: 0.6257 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 148/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6524 - accuracy: 0.5312
Epoch 148: val_loss did not improve from 0.62565
11/11 [=====] - 0s 7ms/step - loss: 0.6442 - accuracy: 0.5862 - val_loss: 0.6258 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 149/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6387 - accuracy: 0.5938
Epoch 149: val_loss did not improve from 0.62565
11/11 [=====] - 0s 10ms/step - loss: 0.6442 - accuracy: 0.5833 - val_loss: 0.6405 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 150/1000
11/11 [=====] - ETA: 0s - loss: 0.6456 - accuracy: 0.6006
Epoch 150: val_loss did not improve from 0.62565
11/11 [=====] - 0s 9ms/step - loss: 0.6456 - accuracy: 0.6006 - val_loss: 0.6286 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 151/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5581 - accuracy: 0.6250
Epoch 151: val_loss did not improve from 0.62565
11/11 [=====] - 0s 8ms/step - loss: 0.6455 - accuracy: 0.5661 - val_loss: 0.6374 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 152/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6901 - accuracy: 0.4375
Epoch 152: val_loss did not improve from 0.62565
11/11 [=====] - 0s 8ms/step - loss: 0.6425 - accuracy: 0.
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5747 - val_loss: 0.6280 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 153/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6614 - accuracy: 0.6250
Epoch 153: val_loss improved from 0.62565 to 0.62563, saving model to tmp/Weights-153--0.62563.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6403 - accuracy: 0.5833 - val_loss: 0.6256 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 154/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6418 - accuracy: 0.6875
Epoch 154: val_loss did not improve from 0.62563
11/11 [=====] - 0s 8ms/step - loss: 0.6411 - accuracy: 0.5977 - val_loss: 0.6286 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 155/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6223 - accuracy: 0.5625
Epoch 155: val_loss did not improve from 0.62563
11/11 [=====] - 0s 9ms/step - loss: 0.6403 - accuracy: 0.5891 - val_loss: 0.6278 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 156/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6333 - accuracy: 0.5312
Epoch 156: val_loss did not improve from 0.62563
11/11 [=====] - 0s 9ms/step - loss: 0.6398 - accuracy: 0.5833 - val_loss: 0.6288 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 157/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6891 - accuracy: 0.5625
Epoch 157: val_loss did not improve from 0.62563
11/11 [=====] - 0s 8ms/step - loss: 0.6394 - accuracy: 0.5862 - val_loss: 0.6271 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 158/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6230 - accuracy: 0.6562
Epoch 158: val_loss did not improve from 0.62563
11/11 [=====] - 0s 7ms/step - loss: 0.6397 - accuracy: 0.5948 - val_loss: 0.6261 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 159/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6609 - accuracy: 0.4688
Epoch 159: val_loss did not improve from 0.62563
11/11 [=====] - 0s 7ms/step - loss: 0.6433 - accuracy: 0.5805 - val_loss: 0.6431 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 160/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5895 - accuracy: 0.7812
Epoch 160: val_loss did not improve from 0.62563
11/11 [=====] - 0s 7ms/step - loss: 0.6579 - accuracy: 0.5833 - val_loss: 0.6534 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 161/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6419 - accuracy: 0.6250
Epoch 161: val_loss did not improve from 0.62563
11/11 [=====] - 0s 8ms/step - loss: 0.6519 - accuracy: 0.5718 - val_loss: 0.6387 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 162/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6228 - accuracy: 0.5938
Epoch 162: val_loss did not improve from 0.62563
11/11 [=====] - 0s 8ms/step - loss: 0.6480 - accuracy: 0.5603 - val_loss: 0.6376 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 163/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6623 - accuracy: 0.5938
Epoch 163: val_loss did not improve from 0.62563
11/11 [=====] - 0s 8ms/step - loss: 0.6414 - accuracy: 0.6006 - val_loss: 0.6301 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 164/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6558 - accuracy: 0.5625
Epoch 164: val_loss improved from 0.62563 to 0.62081, saving model to tmp/Weights-164--0.62081.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6395 - accuracy: 0.5977 - val_loss: 0.6208 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 165/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6578 - accuracy: 0.5312
Epoch 165: val_loss improved from 0.62081 to 0.61965, saving model to tmp/Weights-165--0.61965.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6389 - accuracy: 0.5948 - val_loss: 0.6197 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 166/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6448 - accuracy: 0.5625
Epoch 166: val_loss did not improve from 0.61965
11/11 [=====] - 0s 9ms/step - loss: 0.6390 - accuracy: 0.5920 - val_loss: 0.6199 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 167/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6358 - accuracy: 0.6562
Epoch 167: val_loss improved from 0.61965 to 0.61888, saving model to tmp/Weights-167--0.61888.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6378 - accuracy: 0.5948 - val_loss: 0.6189 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 168/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6217 - accuracy: 0.5938
Epoch 168: val_loss improved from 0.61888 to 0.61792, saving model to tmp/Weights-168--0.61792.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6371 - accuracy: 0.5948 - val_loss: 0.6179 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 169/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6527 - accuracy: 0.6250
Epoch 169: val_loss did not improve from 0.61792
11/11 [=====] - 0s 8ms/step - loss: 0.6372 - accuracy: 0.5977 - val_loss: 0.6187 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 170/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6229 - accuracy: 0.5938
Epoch 170: val_loss did not improve from 0.61792
11/11 [=====] - 0s 8ms/step - loss: 0.6374 - accuracy: 0.5891 - val_loss: 0.6195 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 171/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5906 - accuracy: 0.7188
Epoch 171: val_loss did not improve from 0.61792
11/11 [=====] - 0s 7ms/step - loss: 0.6383 - accuracy: 0.5948 - val_loss: 0.6189 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 172/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6527 - accuracy: 0.5625
Epoch 172: val_loss did not improve from 0.61792
11/11 [=====] - 0s 7ms/step - loss: 0.6372 - accuracy: 0.5891 - val_loss: 0.6188 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 173/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6677 - accuracy: 0.5938
Epoch 173: val_loss improved from 0.61792 to 0.61692, saving model to tmp/Weights-173--0.61692.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6354 - accuracy: 0.5948 - val_loss: 0.6169 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 174/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6579 - accuracy: 0.5938
Epoch 174: val_loss did not improve from 0.61692
11/11 [=====] - 0s 7ms/step - loss: 0.6356 - accuracy: 0.5948 - val_loss: 0.6236 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 175/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6849 - accuracy: 0.4375
Epoch 175: val_loss improved from 0.61692 to 0.61611, saving model to tmp/Weights-175--0.61611.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6371 - accuracy: 0.5948 - val_loss: 0.6161 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 176/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6340 - accuracy: 0.6562
Epoch 176: val_loss did not improve from 0.61611
11/11 [=====] - 0s 9ms/step - loss: 0.6361 - accuracy: 0.5948 - val_loss: 0.6220 - val_accuracy: 0.5800 - lr: 0.0090
```

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Epoch 177/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6720 - accuracy: 0.5625
Epoch 177: val_loss improved from 0.61611 to 0.61535, saving model to tmp/Weights-177--0.61535.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6351 - accuracy: 0.6034 - val_loss: 0.6153 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 178/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5362 - accuracy: 0.6562
Epoch 178: val_loss did not improve from 0.61535
11/11 [=====] - 0s 8ms/step - loss: 0.6351 - accuracy: 0.6006 - val_loss: 0.6181 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 179/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6730 - accuracy: 0.5000
Epoch 179: val_loss did not improve from 0.61535
11/11 [=====] - 0s 7ms/step - loss: 0.6340 - accuracy: 0.6063 - val_loss: 0.6155 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 180/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5888 - accuracy: 0.6875
Epoch 180: val_loss improved from 0.61535 to 0.61482, saving model to tmp/Weights-180--0.61482.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6343 - accuracy: 0.5977 - val_loss: 0.6148 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 181/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6447 - accuracy: 0.6562
Epoch 181: val_loss improved from 0.61482 to 0.61311, saving model to tmp/Weights-181--0.61311.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6334 - accuracy: 0.5977 - val_loss: 0.6131 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 182/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6343 - accuracy: 0.6250
Epoch 182: val_loss improved from 0.61311 to 0.61131, saving model to tmp/Weights-182--0.61131.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6328 - accuracy: 0.6034 - val_loss: 0.6113 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 183/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6736 - accuracy: 0.5000
Epoch 183: val_loss did not improve from 0.61131
11/11 [=====] - 0s 9ms/step - loss: 0.6320 - accuracy: 0.6034 - val_loss: 0.6129 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 184/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6437 - accuracy: 0.5312
Epoch 184: val_loss did not improve from 0.61131
11/11 [=====] - 0s 8ms/step - loss: 0.6315 - accuracy: 0.6063 - val_loss: 0.6157 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 185/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6340 - accuracy: 0.5625
Epoch 185: val_loss did not improve from 0.61131
11/11 [=====] - 0s 7ms/step - loss: 0.6324 - accuracy: 0.5977 - val_loss: 0.6152 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 186/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6750 - accuracy: 0.5000
Epoch 186: val_loss did not improve from 0.61131
11/11 [=====] - 0s 9ms/step - loss: 0.6306 - accuracy: 0.6063 - val_loss: 0.6131 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 187/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6224 - accuracy: 0.5625
Epoch 187: val_loss improved from 0.61131 to 0.61102, saving model to tmp/Weights-187--0.61102.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6305 - accuracy: 0.6006 - val_loss: 0.6110 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 188/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6043 - accuracy: 0.5625
Epoch 188: val_loss improved from 0.61102 to 0.60969, saving model to tmp/Weights-188--0.60969.hdf5
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11/11 [=====] - 0s 10ms/step - loss: 0.6296 - accuracy: 0.6006 - val_loss: 0.6097 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 189/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6167 - accuracy: 0.6562
Epoch 189: val_loss improved from 0.60969 to 0.60826, saving model to tmp/Weights-189--0.60826.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6293 - accuracy: 0.5977 - val_loss: 0.6083 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 190/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6458 - accuracy: 0.5625
Epoch 190: val_loss did not improve from 0.60826
11/11 [=====] - 0s 7ms/step - loss: 0.6301 - accuracy: 0.5977 - val_loss: 0.6125 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 191/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6852 - accuracy: 0.5938
Epoch 191: val_loss improved from 0.60826 to 0.60745, saving model to tmp/Weights-191--0.60745.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6297 - accuracy: 0.5920 - val_loss: 0.6075 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 192/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5728 - accuracy: 0.7500
Epoch 192: val_loss did not improve from 0.60745
11/11 [=====] - 0s 7ms/step - loss: 0.6307 - accuracy: 0.5948 - val_loss: 0.6258 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 193/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6874 - accuracy: 0.5000
Epoch 193: val_loss did not improve from 0.60745
11/11 [=====] - 0s 8ms/step - loss: 0.6313 - accuracy: 0.5920 - val_loss: 0.6085 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 194/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6733 - accuracy: 0.5625
Epoch 194: val_loss did not improve from 0.60745
11/11 [=====] - 0s 8ms/step - loss: 0.6279 - accuracy: 0.6034 - val_loss: 0.6101 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 195/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6344 - accuracy: 0.5625
Epoch 195: val_loss did not improve from 0.60745
11/11 [=====] - 0s 8ms/step - loss: 0.6273 - accuracy: 0.6207 - val_loss: 0.6209 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 196/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6846 - accuracy: 0.4375
Epoch 196: val_loss did not improve from 0.60745
11/11 [=====] - 0s 7ms/step - loss: 0.6296 - accuracy: 0.5977 - val_loss: 0.6135 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 197/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6469 - accuracy: 0.5312
Epoch 197: val_loss did not improve from 0.60745
11/11 [=====] - 0s 8ms/step - loss: 0.6286 - accuracy: 0.6092 - val_loss: 0.6161 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 198/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6548 - accuracy: 0.4375
Epoch 198: val_loss did not improve from 0.60745
11/11 [=====] - 0s 9ms/step - loss: 0.6274 - accuracy: 0.5977 - val_loss: 0.6086 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 199/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6436 - accuracy: 0.5000
Epoch 199: val_loss did not improve from 0.60745
11/11 [=====] - 0s 7ms/step - loss: 0.6250 - accuracy: 0.6092 - val_loss: 0.6097 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 200/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6237 - accuracy: 0.6281
Epoch 200: val_loss did not improve from 0.60745
11/11 [=====] - 0s 10ms/step - loss: 0.6263 - accuracy: 0.6207 - val_loss: 0.6134 - val_accuracy: 0.6067 - lr: 0.0090
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Epoch 201/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5664 - accuracy: 0.7188
Epoch 201: val_loss improved from 0.60745 to 0.60530, saving model to tmp/Weights-201--0.60530.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6243 - accuracy: 0.6207 - val_loss: 0.6053 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 202/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6465 - accuracy: 0.5625
Epoch 202: val_loss improved from 0.60530 to 0.60059, saving model to tmp/Weights-202--0.60059.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6235 - accuracy: 0.6149 - val_loss: 0.6006 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 203/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6526 - accuracy: 0.6875
Epoch 203: val_loss did not improve from 0.60059
11/11 [=====] - 0s 9ms/step - loss: 0.6223 - accuracy: 0.6207 - val_loss: 0.6066 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 204/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6674 - accuracy: 0.5938
Epoch 204: val_loss did not improve from 0.60059
11/11 [=====] - 0s 8ms/step - loss: 0.6211 - accuracy: 0.6236 - val_loss: 0.6010 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 205/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5953 - accuracy: 0.7188
Epoch 205: val_loss did not improve from 0.60059
11/11 [=====] - 0s 8ms/step - loss: 0.6218 - accuracy: 0.6121 - val_loss: 0.6154 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 206/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5599 - accuracy: 0.7188
Epoch 206: val_loss did not improve from 0.60059
11/11 [=====] - 0s 8ms/step - loss: 0.6232 - accuracy: 0.6121 - val_loss: 0.6019 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 207/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6678 - accuracy: 0.4688
Epoch 207: val_loss did not improve from 0.60059
11/11 [=====] - 0s 8ms/step - loss: 0.6212 - accuracy: 0.6178 - val_loss: 0.6039 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 208/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6630 - accuracy: 0.6250
Epoch 208: val_loss improved from 0.60059 to 0.59871, saving model to tmp/Weights-208--0.59871.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6192 - accuracy: 0.6236 - val_loss: 0.5987 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 209/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6187 - accuracy: 0.7188
Epoch 209: val_loss did not improve from 0.59871
11/11 [=====] - 0s 7ms/step - loss: 0.6197 - accuracy: 0.6178 - val_loss: 0.6010 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 210/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6387 - accuracy: 0.5938
Epoch 210: val_loss improved from 0.59871 to 0.59681, saving model to tmp/Weights-210--0.59681.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6182 - accuracy: 0.6207 - val_loss: 0.5968 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 211/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5434 - accuracy: 0.7812
Epoch 211: val_loss did not improve from 0.59681
11/11 [=====] - 0s 7ms/step - loss: 0.6189 - accuracy: 0.6236 - val_loss: 0.6038 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 212/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6023 - accuracy: 0.6250
Epoch 212: val_loss did not improve from 0.59681
11/11 [=====] - 0s 8ms/step - loss: 0.6169 - accuracy: 0.6264 - val_loss: 0.5999 - val_accuracy: 0.6200 - lr: 0.0090
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Epoch 213/1000
11/11 [=====] - ETA: 0s - loss: 0.6189 - accuracy: 0.6293
Epoch 213: val_loss did not improve from 0.59681
11/11 [=====] - 0s 11ms/step - loss: 0.6189 - accuracy: 0.6293 - val_loss: 0.6023 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 214/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5692 - accuracy: 0.5625
Epoch 214: val_loss did not improve from 0.59681
11/11 [=====] - 0s 9ms/step - loss: 0.6162 - accuracy: 0.6236 - val_loss: 0.5976 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 215/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6564 - accuracy: 0.6562
Epoch 215: val_loss did not improve from 0.59681
11/11 [=====] - 0s 9ms/step - loss: 0.6163 - accuracy: 0.6236 - val_loss: 0.5977 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 216/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6570 - accuracy: 0.6250
Epoch 216: val_loss did not improve from 0.59681
11/11 [=====] - 0s 7ms/step - loss: 0.6182 - accuracy: 0.6207 - val_loss: 0.6131 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 217/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6311 - accuracy: 0.5312
Epoch 217: val_loss did not improve from 0.59681
11/11 [=====] - 0s 7ms/step - loss: 0.6168 - accuracy: 0.6236 - val_loss: 0.6011 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 218/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6137 - accuracy: 0.6219
Epoch 218: val_loss did not improve from 0.59681
11/11 [=====] - 0s 11ms/step - loss: 0.6153 - accuracy: 0.6236 - val_loss: 0.5969 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 219/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6596 - accuracy: 0.5938
Epoch 219: val_loss did not improve from 0.59681
11/11 [=====] - 0s 9ms/step - loss: 0.6176 - accuracy: 0.6178 - val_loss: 0.6117 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 220/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6306 - accuracy: 0.5938
Epoch 220: val_loss improved from 0.59681 to 0.59453, saving model to tmp/Weights-220--0.59453.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6144 - accuracy: 0.6207 - val_loss: 0.5945 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 221/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6065 - accuracy: 0.7188
Epoch 221: val_loss improved from 0.59453 to 0.59173, saving model to tmp/Weights-221--0.59173.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6124 - accuracy: 0.6264 - val_loss: 0.5917 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 222/1000
11/11 [=====] - ETA: 0s - loss: 0.6120 - accuracy: 0.6293
Epoch 222: val_loss improved from 0.59173 to 0.59023, saving model to tmp/Weights-222--0.59023.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6120 - accuracy: 0.6293 - val_loss: 0.5902 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 223/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6574 - accuracy: 0.5625
Epoch 223: val_loss did not improve from 0.59023
11/11 [=====] - 0s 8ms/step - loss: 0.6110 - accuracy: 0.6207 - val_loss: 0.5986 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 224/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6129 - accuracy: 0.6219
Epoch 224: val_loss did not improve from 0.59023
11/11 [=====] - 0s 11ms/step - loss: 0.6124 - accuracy: 0.6236 - val_loss: 0.5909 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 225/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6927 - accuracy: 0.5312
Epoch 225: val_loss did not improve from 0.59023
11/11 [=====] - 0s 7ms/step - loss: 0.6113 - accuracy: 0.
6264 - val_loss: 0.5969 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 226/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5605 - accuracy: 0.6875
Epoch 226: val_loss improved from 0.59023 to 0.58991, saving model to tmp/Weights-
226--0.58991.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6112 - accuracy:
0.6293 - val_loss: 0.5899 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 227/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5778 - accuracy: 0.6875
Epoch 227: val_loss did not improve from 0.58991
11/11 [=====] - 0s 8ms/step - loss: 0.6098 - accuracy: 0.
6264 - val_loss: 0.5911 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 228/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6126 - accuracy: 0.5938
Epoch 228: val_loss did not improve from 0.58991
11/11 [=====] - 0s 9ms/step - loss: 0.6095 - accuracy: 0.
6207 - val_loss: 0.6013 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 229/1000
11/11 [=====] - ETA: 0s - loss: 0.6107 - accuracy: 0.6092
Epoch 229: val_loss improved from 0.58991 to 0.58765, saving model to tmp/Weights-
229--0.58765.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6107 - accuracy:
0.6092 - val_loss: 0.5876 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 230/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6275 - accuracy: 0.5312
Epoch 230: val_loss did not improve from 0.58765
11/11 [=====] - 0s 7ms/step - loss: 0.6093 - accuracy: 0.
6293 - val_loss: 0.5899 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 231/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6252 - accuracy: 0.6562
Epoch 231: val_loss improved from 0.58765 to 0.58599, saving model to tmp/Weights-
231--0.58599.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6090 - accuracy:
0.6236 - val_loss: 0.5860 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 232/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6423 - accuracy: 0.6562
Epoch 232: val_loss did not improve from 0.58599
11/11 [=====] - 0s 9ms/step - loss: 0.6095 - accuracy: 0.
6178 - val_loss: 0.5890 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 233/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5930 - accuracy: 0.5625
Epoch 233: val_loss did not improve from 0.58599
11/11 [=====] - 0s 8ms/step - loss: 0.6067 - accuracy: 0.
6236 - val_loss: 0.5988 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 234/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5369 - accuracy: 0.7500
Epoch 234: val_loss improved from 0.58599 to 0.58592, saving model to tmp/Weights-
234--0.58592.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6079 - accuracy:
0.6264 - val_loss: 0.5859 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 235/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6106 - accuracy: 0.6250
Epoch 235: val_loss did not improve from 0.58592
11/11 [=====] - 0s 7ms/step - loss: 0.6066 - accuracy: 0.
6264 - val_loss: 0.5879 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 236/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6029 - accuracy: 0.6250
Epoch 236: val_loss did not improve from 0.58592
11/11 [=====] - 0s 8ms/step - loss: 0.6064 - accuracy: 0.
6264 - val_loss: 0.6005 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 237/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5752 - accuracy: 0.7812
Epoch 237: val_loss improved from 0.58592 to 0.58467, saving model to tmp/Weights-237--0.58467.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6063 - accuracy: 0.6236 - val_loss: 0.5847 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 238/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5602 - accuracy: 0.5625
Epoch 238: val_loss did not improve from 0.58467
11/11 [=====] - 0s 8ms/step - loss: 0.6076 - accuracy: 0.6351 - val_loss: 0.5901 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 239/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5897 - accuracy: 0.6250
Epoch 239: val_loss did not improve from 0.58467
11/11 [=====] - 0s 8ms/step - loss: 0.6034 - accuracy: 0.6322 - val_loss: 0.5896 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 240/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6409 - accuracy: 0.4688
Epoch 240: val_loss did not improve from 0.58467
11/11 [=====] - 0s 7ms/step - loss: 0.6042 - accuracy: 0.6236 - val_loss: 0.5896 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 241/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6086 - accuracy: 0.6250
Epoch 241: val_loss improved from 0.58467 to 0.58293, saving model to tmp/Weights-241--0.58293.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6043 - accuracy: 0.6322 - val_loss: 0.5829 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 242/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6016 - accuracy: 0.6250
Epoch 242: val_loss did not improve from 0.58293
11/11 [=====] - 0s 7ms/step - loss: 0.6046 - accuracy: 0.6178 - val_loss: 0.5903 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 243/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6322 - accuracy: 0.5312
Epoch 243: val_loss did not improve from 0.58293
11/11 [=====] - 0s 8ms/step - loss: 0.6050 - accuracy: 0.6149 - val_loss: 0.5886 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 244/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6236 - accuracy: 0.4375
Epoch 244: val_loss improved from 0.58293 to 0.58163, saving model to tmp/Weights-244--0.58163.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6023 - accuracy: 0.6264 - val_loss: 0.5816 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 245/1000
11/11 [=====] - ETA: 0s - loss: 0.6028 - accuracy: 0.6236
Epoch 245: val_loss did not improve from 0.58163
11/11 [=====] - 0s 11ms/step - loss: 0.6028 - accuracy: 0.6236 - val_loss: 0.5844 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 246/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5769 - accuracy: 0.6250
Epoch 246: val_loss did not improve from 0.58163
11/11 [=====] - 0s 8ms/step - loss: 0.6010 - accuracy: 0.6264 - val_loss: 0.5911 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 247/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5829 - accuracy: 0.6250
Epoch 247: val_loss did not improve from 0.58163
11/11 [=====] - 0s 9ms/step - loss: 0.6042 - accuracy: 0.6236 - val_loss: 0.5890 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 248/1000
11/11 [=====] - ETA: 0s - loss: 0.6019 - accuracy: 0.6121
Epoch 248: val_loss did not improve from 0.58163
11/11 [=====] - 0s 9ms/step - loss: 0.6019 - accuracy: 0.6121 - val_loss: 0.5861 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 249/1000
9/11 [=====>.....] - ETA: 0s - loss: 0.5950 - accuracy: 0.6215
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Epoch 249: val_loss did not improve from 0.58163
11/11 [=====] - 0s 11ms/step - loss: 0.6004 - accuracy: 0.6092 - val_loss: 0.5903 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 250/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5861 - accuracy: 0.4688
Epoch 250: val_loss did not improve from 0.58163
11/11 [=====] - 0s 7ms/step - loss: 0.5996 - accuracy: 0.6264 - val_loss: 0.5868 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 251/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6501 - accuracy: 0.5312
Epoch 251: val_loss improved from 0.58163 to 0.58046, saving model to tmp/Weights-251--0.58046.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6002 - accuracy: 0.6293 - val_loss: 0.5805 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 252/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5929 - accuracy: 0.7500
Epoch 252: val_loss did not improve from 0.58046
11/11 [=====] - 0s 7ms/step - loss: 0.6017 - accuracy: 0.6264 - val_loss: 0.5937 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 253/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5744 - accuracy: 0.5938
Epoch 253: val_loss improved from 0.58046 to 0.57998, saving model to tmp/Weights-253--0.57998.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.5985 - accuracy: 0.6264 - val_loss: 0.5800 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 254/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6145 - accuracy: 0.5938
Epoch 254: val_loss did not improve from 0.57998
11/11 [=====] - 0s 8ms/step - loss: 0.5974 - accuracy: 0.6264 - val_loss: 0.5904 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 255/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5710 - accuracy: 0.7500
Epoch 255: val_loss did not improve from 0.57998
11/11 [=====] - 0s 8ms/step - loss: 0.5983 - accuracy: 0.6293 - val_loss: 0.5815 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 256/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5887 - accuracy: 0.5625
Epoch 256: val_loss improved from 0.57998 to 0.57931, saving model to tmp/Weights-256--0.57931.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5967 - accuracy: 0.6293 - val_loss: 0.5793 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 257/1000
8/11 [=====>.....] - ETA: 0s - loss: 0.5888 - accuracy: 0.6758
Epoch 257: val_loss did not improve from 0.57931
11/11 [=====] - 0s 10ms/step - loss: 0.5969 - accuracy: 0.6322 - val_loss: 0.5813 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 258/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6564 - accuracy: 0.5625
Epoch 258: val_loss did not improve from 0.57931
11/11 [=====] - 0s 9ms/step - loss: 0.5970 - accuracy: 0.6322 - val_loss: 0.5836 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 259/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6229 - accuracy: 0.5938
Epoch 259: val_loss improved from 0.57931 to 0.57789, saving model to tmp/Weights-259--0.57789.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.5975 - accuracy: 0.6293 - val_loss: 0.5779 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 260/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5339 - accuracy: 0.6875
Epoch 260: val_loss did not improve from 0.57789
11/11 [=====] - 0s 7ms/step - loss: 0.5959 - accuracy: 0.6293 - val_loss: 0.5879 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 261/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6178 - accuracy: 0.5938
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Epoch 261: val_loss did not improve from 0.57789
11/11 [=====] - 0s 8ms/step - loss: 0.5951 - accuracy: 0.
6322 - val_loss: 0.5813 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 262/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6805 - accuracy: 0.5625
Epoch 262: val_loss did not improve from 0.57789
11/11 [=====] - 0s 8ms/step - loss: 0.5955 - accuracy: 0.
6236 - val_loss: 0.5910 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 263/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6469 - accuracy: 0.5312
Epoch 263: val_loss did not improve from 0.57789
11/11 [=====] - 0s 8ms/step - loss: 0.5952 - accuracy: 0.
6149 - val_loss: 0.5851 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 264/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6731 - accuracy: 0.4688
Epoch 264: val_loss did not improve from 0.57789
11/11 [=====] - 0s 8ms/step - loss: 0.6004 - accuracy: 0.
6034 - val_loss: 0.5894 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 265/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6534 - accuracy: 0.5000
Epoch 265: val_loss improved from 0.57789 to 0.57647, saving model to tmp/Weights-265--0.57647.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5959 - accuracy: 0.
6293 - val_loss: 0.5765 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 266/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5548 - accuracy: 0.6875
Epoch 266: val_loss did not improve from 0.57647
11/11 [=====] - 0s 7ms/step - loss: 0.5929 - accuracy: 0.
6293 - val_loss: 0.5869 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 267/1000
11/11 [=====] - ETA: 0s - loss: 0.5941 - accuracy: 0.6264
Epoch 267: val_loss did not improve from 0.57647
11/11 [=====] - 0s 11ms/step - loss: 0.5941 - accuracy: 0.
6264 - val_loss: 0.5773 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 268/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6537 - accuracy: 0.5000
Epoch 268: val_loss did not improve from 0.57647
11/11 [=====] - 0s 8ms/step - loss: 0.5996 - accuracy: 0.
6006 - val_loss: 0.5804 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 269/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5130 - accuracy: 0.6250
Epoch 269: val_loss did not improve from 0.57647
11/11 [=====] - 0s 10ms/step - loss: 0.5974 - accuracy: 0.
6178 - val_loss: 0.5862 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 270/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4926 - accuracy: 0.5625
Epoch 270: val_loss did not improve from 0.57647
11/11 [=====] - 0s 8ms/step - loss: 0.5929 - accuracy: 0.
6322 - val_loss: 0.5775 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 271/1000
10/11 [======>...] - ETA: 0s - loss: 0.5925 - accuracy: 0.6313
Epoch 271: val_loss did not improve from 0.57647
11/11 [=====] - 0s 11ms/step - loss: 0.5913 - accuracy: 0.
6322 - val_loss: 0.5783 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 272/1000
11/11 [=====] - ETA: 0s - loss: 0.5905 - accuracy: 0.6207
Epoch 272: val_loss did not improve from 0.57647
11/11 [=====] - 0s 10ms/step - loss: 0.5905 - accuracy: 0.
6207 - val_loss: 0.5801 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 273/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6298 - accuracy: 0.6250
Epoch 273: val_loss did not improve from 0.57647
11/11 [=====] - 0s 9ms/step - loss: 0.5890 - accuracy: 0.
6264 - val_loss: 0.5794 - val_accuracy: 0.6333 - lr: 0.0090
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Epoch 274/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6194 - accuracy: 0.5625
Epoch 274: val_loss did not improve from 0.57647
11/11 [=====] - 0s 9ms/step - loss: 0.5893 - accuracy: 0.
6293 - val_loss: 0.5844 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 275/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5925 - accuracy: 0.6562
Epoch 275: val_loss improved from 0.57647 to 0.57636, saving model to tmp/Weights-
275--0.57636.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5895 - accuracy:
0.6322 - val_loss: 0.5764 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 276/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6290 - accuracy: 0.7188
Epoch 276: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5938 - accuracy: 0.
6207 - val_loss: 0.5946 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 277/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5448 - accuracy: 0.6562
Epoch 277: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5918 - accuracy: 0.
6322 - val_loss: 0.5772 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 278/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6109 - accuracy: 0.5000
Epoch 278: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5903 - accuracy: 0.
6121 - val_loss: 0.5784 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 279/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6213 - accuracy: 0.5312
Epoch 279: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5900 - accuracy: 0.
6121 - val_loss: 0.5959 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 280/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6437 - accuracy: 0.5938
Epoch 280: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5922 - accuracy: 0.
6149 - val_loss: 0.5888 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 281/1000
11/11 [=====] - ETA: 0s - loss: 0.5897 - accuracy: 0.6236
Epoch 281: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5897 - accuracy: 0.
6236 - val_loss: 0.5767 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 282/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5509 - accuracy: 0.7188
Epoch 282: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5878 - accuracy: 0.
6293 - val_loss: 0.5794 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 283/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5588 - accuracy: 0.6875
Epoch 283: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5870 - accuracy: 0.
6149 - val_loss: 0.5920 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 284/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5411 - accuracy: 0.8125
Epoch 284: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5875 - accuracy: 0.
6293 - val_loss: 0.5828 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 285/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6283 - accuracy: 0.5938
Epoch 285: val_loss did not improve from 0.57636
11/11 [=====] - 0s 7ms/step - loss: 0.5889 - accuracy: 0.
6264 - val_loss: 0.5974 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 286/1000
11/11 [=====] - ETA: 0s - loss: 0.5910 - accuracy: 0.6063
Epoch 286: val_loss did not improve from 0.57636
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11/11 [=====] - 0s 9ms/step - loss: 0.5910 - accuracy: 0.6063 - val_loss: 0.5877 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 287/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5824 - accuracy: 0.6562
Epoch 287: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5865 - accuracy: 0.6322 - val_loss: 0.5769 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 288/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5973 - accuracy: 0.6250
Epoch 288: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5957 - accuracy: 0.6092 - val_loss: 0.6150 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 289/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6261 - accuracy: 0.6250
Epoch 289: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5999 - accuracy: 0.6121 - val_loss: 0.5966 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 290/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6166 - accuracy: 0.5625
Epoch 290: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.6193 - accuracy: 0.5891 - val_loss: 0.6189 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 291/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5977 - accuracy: 0.8125
Epoch 291: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.6024 - accuracy: 0.6178 - val_loss: 0.6087 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 292/1000
11/11 [=====] - ETA: 0s - loss: 0.5973 - accuracy: 0.6092
Epoch 292: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5973 - accuracy: 0.6092 - val_loss: 0.5813 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 293/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5321 - accuracy: 0.7188
Epoch 293: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5930 - accuracy: 0.6207 - val_loss: 0.5998 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 294/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5814 - accuracy: 0.6250
Epoch 294: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5865 - accuracy: 0.6322 - val_loss: 0.5909 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 295/1000
11/11 [=====] - ETA: 0s - loss: 0.5851 - accuracy: 0.6322
Epoch 295: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5851 - accuracy: 0.6322 - val_loss: 0.5944 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 296/1000
11/11 [=====] - ETA: 0s - loss: 0.5857 - accuracy: 0.6149
Epoch 296: val_loss did not improve from 0.57636
11/11 [=====] - 0s 11ms/step - loss: 0.5857 - accuracy: 0.6149 - val_loss: 0.5982 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 297/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5866 - accuracy: 0.6250
Epoch 297: val_loss did not improve from 0.57636
11/11 [=====] - 0s 26ms/step - loss: 0.5902 - accuracy: 0.6207 - val_loss: 0.5804 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 298/1000
9/11 [=====>.....] - ETA: 0s - loss: 0.5839 - accuracy: 0.6389
Epoch 298: val_loss did not improve from 0.57636
11/11 [=====] - 0s 19ms/step - loss: 0.5848 - accuracy: 0.6264 - val_loss: 0.5961 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 299/1000
7/11 [=====>.....] - ETA: 0s - loss: 0.5685 - accuracy: 0.6339
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Epoch 299: val_loss did not improve from 0.57636
11/11 [=====] - 0s 25ms/step - loss: 0.5827 - accuracy: 0.6293 - val_loss: 0.5864 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 300/1000
7/11 [=====>.....] - ETA: 0s - loss: 0.5895 - accuracy: 0.5670
Epoch 300: val_loss did not improve from 0.57636
11/11 [=====] - 0s 23ms/step - loss: 0.5813 - accuracy: 0.6149 - val_loss: 0.5895 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 301/1000
6/11 [=====>.....] - ETA: 0s - loss: 0.5767 - accuracy: 0.6771
Epoch 301: val_loss did not improve from 0.57636
11/11 [=====] - 0s 13ms/step - loss: 0.5799 - accuracy: 0.6351 - val_loss: 0.5886 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 302/1000
6/11 [=====>.....] - ETA: 0s - loss: 0.5972 - accuracy: 0.5938
Epoch 302: val_loss did not improve from 0.57636
11/11 [=====] - 0s 13ms/step - loss: 0.5822 - accuracy: 0.6264 - val_loss: 0.5882 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 303/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6038 - accuracy: 0.5312
Epoch 303: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5804 - accuracy: 0.6236 - val_loss: 0.5849 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 304/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5596 - accuracy: 0.7188
Epoch 304: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5797 - accuracy: 0.6178 - val_loss: 0.5869 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 305/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5609 - accuracy: 0.5938
Epoch 305: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5792 - accuracy: 0.6322 - val_loss: 0.5850 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 306/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6483 - accuracy: 0.5625
Epoch 306: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5792 - accuracy: 0.6293 - val_loss: 0.5847 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 307/1000
9/11 [=====>.....] - ETA: 0s - loss: 0.5777 - accuracy: 0.6042
Epoch 307: val_loss did not improve from 0.57636
11/11 [=====] - 0s 10ms/step - loss: 0.5834 - accuracy: 0.6063 - val_loss: 0.6047 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 308/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6112 - accuracy: 0.5938
Epoch 308: val_loss did not improve from 0.57636
11/11 [=====] - 0s 10ms/step - loss: 0.5818 - accuracy: 0.6092 - val_loss: 0.5824 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 309/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6160 - accuracy: 0.6250
Epoch 309: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5795 - accuracy: 0.6236 - val_loss: 0.5876 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 310/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5745 - accuracy: 0.6281
Epoch 310: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5774 - accuracy: 0.6236 - val_loss: 0.5868 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 311/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6392 - accuracy: 0.5312
Epoch 311: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5785 - accuracy: 0.6236 - val_loss: 0.6018 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 312/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5298 - accuracy: 0.7500
Epoch 312: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5778 - accuracy: 0.
6178 - val_loss: 0.5813 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 313/1000
11/11 [=====] - ETA: 0s - loss: 0.5814 - accuracy: 0.6207
Epoch 313: val_loss did not improve from 0.57636
11/11 [=====] - 0s 10ms/step - loss: 0.5814 - accuracy:
0.6207 - val_loss: 0.5931 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 314/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5568 - accuracy: 0.7500
Epoch 314: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5784 - accuracy: 0.
6178 - val_loss: 0.6041 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 315/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6078 - accuracy: 0.6250
Epoch 315: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5821 - accuracy: 0.
6207 - val_loss: 0.5813 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 316/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6081 - accuracy: 0.5625
Epoch 316: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5770 - accuracy: 0.
6178 - val_loss: 0.5844 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 317/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5434 - accuracy: 0.5625
Epoch 317: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5740 - accuracy: 0.
6351 - val_loss: 0.5955 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 318/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5594 - accuracy: 0.7500
Epoch 318: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5741 - accuracy: 0.
6236 - val_loss: 0.5884 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 319/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5243 - accuracy: 0.7500
Epoch 319: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5750 - accuracy: 0.
6178 - val_loss: 0.5876 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 320/1000
11/11 [=====] - ETA: 0s - loss: 0.5746 - accuracy: 0.6379
Epoch 320: val_loss did not improve from 0.57636
11/11 [=====] - 0s 11ms/step - loss: 0.5746 - accuracy:
0.6379 - val_loss: 0.5838 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 321/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5776 - accuracy: 0.5000
Epoch 321: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5748 - accuracy: 0.
6264 - val_loss: 0.6008 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 322/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6448 - accuracy: 0.5312
Epoch 322: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5755 - accuracy: 0.
6322 - val_loss: 0.5855 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 323/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5171 - accuracy: 0.6875
Epoch 323: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5759 - accuracy: 0.
6207 - val_loss: 0.5912 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 324/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5614 - accuracy: 0.5625
Epoch 324: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5739 - accuracy: 0.
6322 - val_loss: 0.5816 - val_accuracy: 0.6200 - lr: 0.0090
```

```
Epoch 325/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6112 - accuracy: 0.5000
Epoch 325: val_loss did not improve from 0.57636

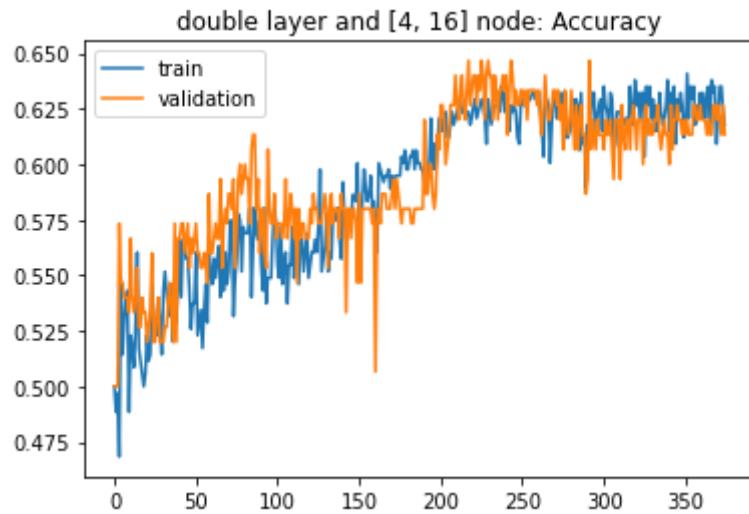
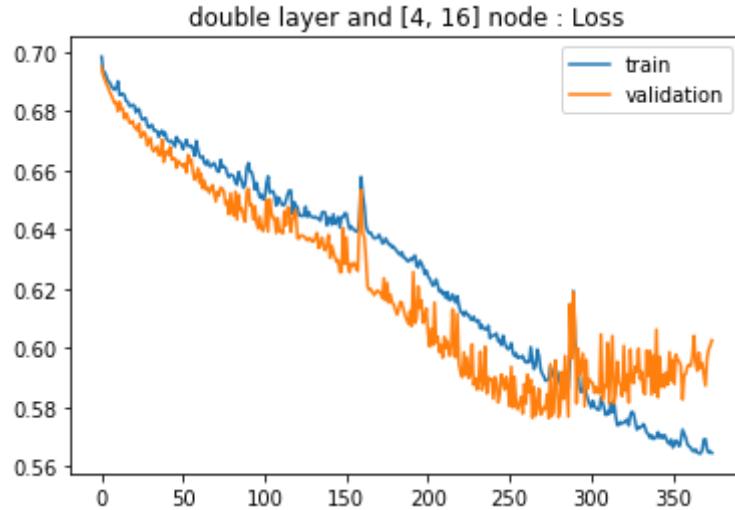
Epoch 325: ReduceLROnPlateau reducing learning rate to 0.006299999728798866.
11/11 [=====] - 0s 9ms/step - loss: 0.5773 - accuracy: 0.
6322 - val_loss: 0.5996 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 326/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5808 - accuracy: 0.6875
Epoch 326: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5786 - accuracy: 0.
6034 - val_loss: 0.5889 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 327/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6033 - accuracy: 0.6250
Epoch 327: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5778 - accuracy: 0.
6351 - val_loss: 0.5881 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 328/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5467 - accuracy: 0.5000
Epoch 328: val_loss did not improve from 0.57636
11/11 [=====] - 0s 7ms/step - loss: 0.5753 - accuracy: 0.
6264 - val_loss: 0.5938 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 329/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5799 - accuracy: 0.7500
Epoch 329: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5725 - accuracy: 0.
6351 - val_loss: 0.5921 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 330/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4885 - accuracy: 0.7812
Epoch 330: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5735 - accuracy: 0.
6207 - val_loss: 0.5998 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 331/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5900 - accuracy: 0.5625
Epoch 331: val_loss did not improve from 0.57636
11/11 [=====] - 0s 7ms/step - loss: 0.5731 - accuracy: 0.
6293 - val_loss: 0.5895 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 332/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5907 - accuracy: 0.6562
Epoch 332: val_loss did not improve from 0.57636
11/11 [=====] - 0s 7ms/step - loss: 0.5736 - accuracy: 0.
6149 - val_loss: 0.5921 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 333/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5946 - accuracy: 0.5625
Epoch 333: val_loss did not improve from 0.57636
11/11 [=====] - 0s 7ms/step - loss: 0.5744 - accuracy: 0.
6264 - val_loss: 0.5852 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 334/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5899 - accuracy: 0.5625
Epoch 334: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5732 - accuracy: 0.
6149 - val_loss: 0.5845 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 335/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5119 - accuracy: 0.8125
Epoch 335: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5715 - accuracy: 0.
6322 - val_loss: 0.5992 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 336/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5206 - accuracy: 0.7188
Epoch 336: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5710 - accuracy: 0.
6236 - val_loss: 0.5907 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 337/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5822 - accuracy: 0.5938
```

```
Epoch 337: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5697 - accuracy: 0.
6178 - val_loss: 0.5991 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 338/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5785 - accuracy: 0.7812
Epoch 338: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5706 - accuracy: 0.
6207 - val_loss: 0.5843 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 339/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5658 - accuracy: 0.5000
Epoch 339: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5693 - accuracy: 0.
6264 - val_loss: 0.5976 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 340/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5941 - accuracy: 0.7500
Epoch 340: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5695 - accuracy: 0.
6379 - val_loss: 0.5852 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 341/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5679 - accuracy: 0.5938
Epoch 341: val_loss did not improve from 0.57636
11/11 [=====] - 0s 7ms/step - loss: 0.5701 - accuracy: 0.
6149 - val_loss: 0.6063 - val_accuracy: 0.6000 - lr: 0.0063
Epoch 342/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5419 - accuracy: 0.5312
Epoch 342: val_loss did not improve from 0.57636
11/11 [=====] - 0s 7ms/step - loss: 0.5716 - accuracy: 0.
6322 - val_loss: 0.5834 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 343/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5532 - accuracy: 0.5312
Epoch 343: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5697 - accuracy: 0.
6207 - val_loss: 0.5970 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 344/1000
11/11 [=====] - ETA: 0s - loss: 0.5708 - accuracy: 0.6351
Epoch 344: val_loss did not improve from 0.57636
11/11 [=====] - 0s 10ms/step - loss: 0.5708 - accuracy: 0.
6351 - val_loss: 0.5869 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 345/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5736 - accuracy: 0.5938
Epoch 345: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5696 - accuracy: 0.
6092 - val_loss: 0.5911 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 346/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6640 - accuracy: 0.4688
Epoch 346: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5707 - accuracy: 0.
6293 - val_loss: 0.5869 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 347/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6259 - accuracy: 0.5938
Epoch 347: val_loss did not improve from 0.57636
11/11 [=====] - 0s 7ms/step - loss: 0.5693 - accuracy: 0.
6236 - val_loss: 0.5918 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 348/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5681 - accuracy: 0.7188
Epoch 348: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5681 - accuracy: 0.
6322 - val_loss: 0.5878 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 349/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5594 - accuracy: 0.7500
Epoch 349: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5677 - accuracy: 0.
6264 - val_loss: 0.5987 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 350/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5456 - accuracy: 0.6250
Epoch 350: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5692 - accuracy: 0.
6121 - val_loss: 0.5892 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 351/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6069 - accuracy: 0.5000
Epoch 351: val_loss did not improve from 0.57636
11/11 [=====] - 0s 10ms/step - loss: 0.5665 - accuracy:
0.6178 - val_loss: 0.5961 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 352/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4980 - accuracy: 0.5625
Epoch 352: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5675 - accuracy: 0.
6408 - val_loss: 0.5880 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 353/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5344 - accuracy: 0.7500
Epoch 353: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5688 - accuracy: 0.
6207 - val_loss: 0.5978 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 354/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6022 - accuracy: 0.6250
Epoch 354: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5679 - accuracy: 0.
6351 - val_loss: 0.5961 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 355/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6018 - accuracy: 0.6875
Epoch 355: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5669 - accuracy: 0.
6293 - val_loss: 0.5955 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 356/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5635 - accuracy: 0.5938
Epoch 356: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5691 - accuracy: 0.
6351 - val_loss: 0.5938 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 357/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6062 - accuracy: 0.5938
Epoch 357: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5725 - accuracy: 0.
6178 - val_loss: 0.5826 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 358/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6261 - accuracy: 0.4688
Epoch 358: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5710 - accuracy: 0.
6264 - val_loss: 0.5908 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 359/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4891 - accuracy: 0.7500
Epoch 359: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5696 - accuracy: 0.
6236 - val_loss: 0.5914 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 360/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5607 - accuracy: 0.7500
Epoch 360: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5675 - accuracy: 0.
6322 - val_loss: 0.5938 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 361/1000
11/11 [=====] - ETA: 0s - loss: 0.5668 - accuracy: 0.6207
Epoch 361: val_loss did not improve from 0.57636
11/11 [=====] - 0s 10ms/step - loss: 0.5668 - accuracy:
0.6207 - val_loss: 0.5944 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 362/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6781 - accuracy: 0.5938
Epoch 362: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5664 - accuracy: 0.
6322 - val_loss: 0.5941 - val_accuracy: 0.6200 - lr: 0.0063
```

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Epoch 363/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5457 - accuracy: 0.6875
Epoch 363: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5654 - accuracy: 0.
6207 - val_loss: 0.5970 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 364/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5953 - accuracy: 0.5625
Epoch 364: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5651 - accuracy: 0.
6293 - val_loss: 0.6042 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 365/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5166 - accuracy: 0.6250
Epoch 365: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5659 - accuracy: 0.
6351 - val_loss: 0.5951 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 366/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5445 - accuracy: 0.6562
Epoch 366: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5648 - accuracy: 0.
6178 - val_loss: 0.5924 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 367/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5710 - accuracy: 0.6875
Epoch 367: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5645 - accuracy: 0.
6379 - val_loss: 0.5985 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 368/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5776 - accuracy: 0.5938
Epoch 368: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5644 - accuracy: 0.
6322 - val_loss: 0.5935 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 369/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5481 - accuracy: 0.6562
Epoch 369: val_loss did not improve from 0.57636
11/11 [=====] - 0s 9ms/step - loss: 0.5655 - accuracy: 0.
6351 - val_loss: 0.5949 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 370/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5030 - accuracy: 0.5938
Epoch 370: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5691 - accuracy: 0.
6092 - val_loss: 0.5914 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 371/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5667 - accuracy: 0.6344
Epoch 371: val_loss did not improve from 0.57636
11/11 [=====] - 0s 10ms/step - loss: 0.5693 - accuracy:
0.6207 - val_loss: 0.5874 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 372/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5641 - accuracy: 0.6313
Epoch 372: val_loss did not improve from 0.57636
11/11 [=====] - 0s 11ms/step - loss: 0.5659 - accuracy:
0.6351 - val_loss: 0.5964 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 373/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5615 - accuracy: 0.6562
Epoch 373: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5647 - accuracy: 0.
6351 - val_loss: 0.5995 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 374/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5442 - accuracy: 0.5625
Epoch 374: val_loss did not improve from 0.57636
11/11 [=====] - 0s 8ms/step - loss: 0.5651 - accuracy: 0.
6236 - val_loss: 0.6010 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 375/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5898 - accuracy: 0.5938
Epoch 375: val_loss did not improve from 0.57636
```

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Epoch 375: ReduceLROnPlateau reducing learning rate to 0.004409999679774046.  
11/11 [=====] - 0s 8ms/step - loss: 0.5646 - accuracy: 0.  
6178 - val_loss: 0.6027 - val_accuracy: 0.6133 - lr: 0.0063  
Epoch 375: early stopping  
Final training loss for double layer and [4, 16] nodes: 0.5645830631256104  
Final training accuracy for double layer and [4, 16] nodes 0.6178160905838013  
Final validation loss for double layer and [4, 16] nodes 0.6026738882064819  
Final validation accuracy for double layer and [4, 16] nodes 0.6133333444595337
```



```
>>>>>>>>>>>>>>> Model training with double hidden layer and [8, 4] node>>>>>
>>>>>>
```

Model: "sequential_37"

Layer (type)	Output Shape	Param #
<hr/>		
dense_99 (Dense)	(None, 8)	24
dense_100 (Dense)	(None, 4)	36
dense_101 (Dense)	(None, 1)	5
<hr/>		
Total params: 65		
Trainable params: 65		
Non-trainable params: 0		

None
Epoch 1/1000
1/11 [=>.....] - ETA: 5s - loss: 0.7019 - accuracy: 0.4375
Epoch 1: val_loss improved from inf to 0.69280, saving model to tmp/Weights-001--0.69280.hdf5
11/11 [=====] - 1s 25ms/step - loss: 0.6953 - accuracy: 0.4511 - val_loss: 0.6928 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 2/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6887 - accuracy: 0.6875
Epoch 2: val_loss improved from 0.69280 to 0.69209, saving model to tmp/Weights-002--0.69209.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6936 - accuracy: 0.5029 - val_loss: 0.6921 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 3/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6987 - accuracy: 0.3438
Epoch 3: val_loss improved from 0.69209 to 0.69136, saving model to tmp/Weights-003--0.69136.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6930 - accuracy: 0.4914 - val_loss: 0.6914 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 4/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6887 - accuracy: 0.5938
Epoch 4: val_loss improved from 0.69136 to 0.69030, saving model to tmp/Weights-004--0.69030.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6915 - accuracy: 0.5316 - val_loss: 0.6903 - val_accuracy: 0.4800 - lr: 0.0090
Epoch 5/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6934 - accuracy: 0.4688
Epoch 5: val_loss improved from 0.69030 to 0.68876, saving model to tmp/Weights-005--0.68876.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6904 - accuracy: 0.5402 - val_loss: 0.6888 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 6/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6868 - accuracy: 0.6875
Epoch 6: val_loss improved from 0.68876 to 0.68811, saving model to tmp/Weights-006--0.68811.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6899 - accuracy: 0.5489 - val_loss: 0.6881 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 7/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6840 - accuracy: 0.6875
Epoch 7: val_loss improved from 0.68811 to 0.68736, saving model to tmp/Weights-007--0.68736.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6897 - accuracy: 0.5460 - val_loss: 0.6874 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 8/1000

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1/11 [=>.....] - ETA: 0s - loss: 0.6898 - accuracy: 0.5312
Epoch 8: val_loss improved from 0.68736 to 0.68629, saving model to tmp/Weights-00
8--0.68629.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6887 - accuracy: 0.5575
  val_loss: 0.6863 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 9/1000
11/11 [=====] - ETA: 0s - loss: 0.6883 - accuracy: 0.5431
Epoch 9: val_loss improved from 0.68629 to 0.68518, saving model to tmp/Weights-00
9--0.68518.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6883 - accuracy: 0.5431
  val_loss: 0.6852 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 10/1000
11/11 [=>.....] - ETA: 0s - loss: 0.6767 - accuracy: 0.6875
Epoch 10: val_loss did not improve from 0.68518
11/11 [=====] - 0s 7ms/step - loss: 0.6879 - accuracy: 0.5603
  val_loss: 0.6859 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 11/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6919 - accuracy: 0.4062
Epoch 11: val_loss improved from 0.68518 to 0.68325, saving model to tmp/Weights-0
11--0.68325.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6885 - accuracy: 0.5230
  val_loss: 0.6833 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 12/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6782 - accuracy: 0.7500
Epoch 12: val_loss did not improve from 0.68325
11/11 [=====] - 0s 9ms/step - loss: 0.6879 - accuracy: 0.5460
  val_loss: 0.6839 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 13/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6651 - accuracy: 0.6562
Epoch 13: val_loss did not improve from 0.68325
11/11 [=====] - 0s 8ms/step - loss: 0.6860 - accuracy: 0.5833
  val_loss: 0.6843 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 14/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6871 - accuracy: 0.5625
Epoch 14: val_loss improved from 0.68325 to 0.68251, saving model to tmp/Weights-0
14--0.68251.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6864 - accuracy: 0.5489
  val_loss: 0.6825 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 15/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6830 - accuracy: 0.5938
Epoch 15: val_loss improved from 0.68251 to 0.68152, saving model to tmp/Weights-0
15--0.68152.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6860 - accuracy: 0.5776
  val_loss: 0.6815 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 16/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6707 - accuracy: 0.7500
Epoch 16: val_loss improved from 0.68152 to 0.68017, saving model to tmp/Weights-0
16--0.68017.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6852 - accuracy: 0.5747
  val_loss: 0.6802 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 17/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6684 - accuracy: 0.6250
Epoch 17: val_loss did not improve from 0.68017
11/11 [=====] - 0s 8ms/step - loss: 0.6858 - accuracy: 0.5316
  val_loss: 0.6816 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 18/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6892 - accuracy: 0.5938
Epoch 18: val_loss did not improve from 0.68017
11/11 [=====] - 0s 8ms/step - loss: 0.6842 - accuracy: 0.5489
  val_loss: 0.6806 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 19/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6478 - accuracy: 0.7812
Epoch 19: val_loss did not improve from 0.68017
11/11 [=====] - 0s 9ms/step - loss: 0.6849 - accuracy: 0.
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5489 - val_loss: 0.6805 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 20/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6713 - accuracy: 0.7188
Epoch 20: val_loss improved from 0.68017 to 0.67959, saving model to tmp/Weights-0
20--0.67959.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6848 - accuracy: 0.
5575 - val_loss: 0.6796 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 21/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6918 - accuracy: 0.4062
Epoch 21: val_loss improved from 0.67959 to 0.67880, saving model to tmp/Weights-0
21--0.67880.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6852 - accuracy: 0.
5517 - val_loss: 0.6788 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 22/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6893 - accuracy: 0.5000
Epoch 22: val_loss improved from 0.67880 to 0.67818, saving model to tmp/Weights-0
22--0.67818.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6845 - accuracy: 0.
5345 - val_loss: 0.6782 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 23/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6687 - accuracy: 0.6562
Epoch 23: val_loss did not improve from 0.67818
11/11 [=====] - 0s 8ms/step - loss: 0.6864 - accuracy: 0.
5603 - val_loss: 0.6783 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 24/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6848 - accuracy: 0.5625
Epoch 24: val_loss did not improve from 0.67818
11/11 [=====] - 0s 7ms/step - loss: 0.6870 - accuracy: 0.
4914 - val_loss: 0.6834 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 25/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6818 - accuracy: 0.5312
Epoch 25: val_loss did not improve from 0.67818
11/11 [=====] - 0s 7ms/step - loss: 0.6873 - accuracy: 0.
5230 - val_loss: 0.6831 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 26/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7004 - accuracy: 0.4688
Epoch 26: val_loss did not improve from 0.67818
11/11 [=====] - 0s 7ms/step - loss: 0.6861 - accuracy: 0.
5259 - val_loss: 0.6819 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 27/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6817 - accuracy: 0.4375
Epoch 27: val_loss did not improve from 0.67818
11/11 [=====] - 0s 6ms/step - loss: 0.6853 - accuracy: 0.
5345 - val_loss: 0.6815 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 28/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6930 - accuracy: 0.5000
Epoch 28: val_loss did not improve from 0.67818
11/11 [=====] - 0s 8ms/step - loss: 0.6854 - accuracy: 0.
5575 - val_loss: 0.6805 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 29/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6757 - accuracy: 0.5938
Epoch 29: val_loss did not improve from 0.67818
11/11 [=====] - 0s 7ms/step - loss: 0.6837 - accuracy: 0.
5316 - val_loss: 0.6798 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 30/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6858 - accuracy: 0.5625
Epoch 30: val_loss did not improve from 0.67818
11/11 [=====] - 0s 8ms/step - loss: 0.6843 - accuracy: 0.
5029 - val_loss: 0.6797 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 31/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6799 - accuracy: 0.5000
Epoch 31: val_loss did not improve from 0.67818
11/11 [=====] - 0s 7ms/step - loss: 0.6840 - accuracy: 0.
5000 - val_loss: 0.6784 - val_accuracy: 0.5133 - lr: 0.0090
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Epoch 32/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6902 - accuracy: 0.3750
Epoch 32: val_loss did not improve from 0.67818
11/11 [=====] - 0s 7ms/step - loss: 0.6827 - accuracy: 0.
5575 - val_loss: 0.6788 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 33/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6959 - accuracy: 0.4688
Epoch 33: val_loss improved from 0.67818 to 0.67818, saving model to tmp/Weights-0
33--0.67818.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6821 - accuracy:
0.5489 - val_loss: 0.6782 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 34/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6986 - accuracy: 0.4688
Epoch 34: val_loss improved from 0.67818 to 0.67733, saving model to tmp/Weights-0
34--0.67733.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6817 - accuracy:
0.5115 - val_loss: 0.6773 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 35/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6776 - accuracy: 0.5938
Epoch 35: val_loss improved from 0.67733 to 0.67719, saving model to tmp/Weights-0
35--0.67719.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6818 - accuracy:
0.5230 - val_loss: 0.6772 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 36/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6801 - accuracy: 0.5000
Epoch 36: val_loss improved from 0.67719 to 0.67604, saving model to tmp/Weights-0
36--0.67604.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6804 - accuracy:
0.5000 - val_loss: 0.6760 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 37/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6828 - accuracy: 0.5938
Epoch 37: val_loss did not improve from 0.67604
11/11 [=====] - 0s 8ms/step - loss: 0.6811 - accuracy: 0.
5144 - val_loss: 0.6761 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 38/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6873 - accuracy: 0.5000
Epoch 38: val_loss improved from 0.67604 to 0.67498, saving model to tmp/Weights-0
38--0.67498.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6809 - accuracy:
0.5316 - val_loss: 0.6750 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 39/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6877 - accuracy: 0.5938
Epoch 39: val_loss did not improve from 0.67498
11/11 [=====] - 0s 7ms/step - loss: 0.6800 - accuracy: 0.
5402 - val_loss: 0.6766 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 40/1000
11/11 [=====] - ETA: 0s - loss: 0.6780 - accuracy: 0.5172
Epoch 40: val_loss improved from 0.67498 to 0.67278, saving model to tmp/Weights-0
40--0.67278.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6780 - accuracy:
0.5172 - val_loss: 0.6728 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 41/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6698 - accuracy: 0.5312
Epoch 41: val_loss did not improve from 0.67278
11/11 [=====] - 0s 7ms/step - loss: 0.6791 - accuracy: 0.
4971 - val_loss: 0.6739 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 42/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6713 - accuracy: 0.5000
Epoch 42: val_loss did not improve from 0.67278
11/11 [=====] - 0s 7ms/step - loss: 0.6780 - accuracy: 0.
5517 - val_loss: 0.6764 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 43/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6878 - accuracy: 0.4375
Epoch 43: val_loss improved from 0.67278 to 0.67202, saving model to tmp/Weights-0
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43--0.67202.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6765 - accuracy: 0.
5489 - val_loss: 0.6720 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 44/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6545 - accuracy: 0.6875
Epoch 44: val_loss did not improve from 0.67202
11/11 [=====] - 0s 8ms/step - loss: 0.6752 - accuracy: 0.
5230 - val_loss: 0.6731 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 45/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6205 - accuracy: 0.6250
Epoch 45: val_loss improved from 0.67202 to 0.67106, saving model to tmp/Weights-0
45--0.67106.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6741 - accuracy: 0.
5402 - val_loss: 0.6711 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 46/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6902 - accuracy: 0.5312
Epoch 46: val_loss did not improve from 0.67106
11/11 [=====] - 0s 7ms/step - loss: 0.6746 - accuracy: 0.
5632 - val_loss: 0.6714 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 47/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6682 - accuracy: 0.5625
Epoch 47: val_loss did not improve from 0.67106
11/11 [=====] - 0s 9ms/step - loss: 0.6755 - accuracy: 0.
5460 - val_loss: 0.6721 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 48/1000
11/11 [=====] - ETA: 0s - loss: 0.6732 - accuracy: 0.5374
Epoch 48: val_loss improved from 0.67106 to 0.66945, saving model to tmp/Weights-0
48--0.66945.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6732 - accuracy: 0.
5374 - val_loss: 0.6695 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 49/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6824 - accuracy: 0.5312
Epoch 49: val_loss did not improve from 0.66945
11/11 [=====] - 0s 7ms/step - loss: 0.6725 - accuracy: 0.
5431 - val_loss: 0.6698 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 50/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6908 - accuracy: 0.4375
Epoch 50: val_loss improved from 0.66945 to 0.66890, saving model to tmp/Weights-0
50--0.66890.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6730 - accuracy: 0.
5546 - val_loss: 0.6689 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 51/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6969 - accuracy: 0.4688
Epoch 51: val_loss did not improve from 0.66890
11/11 [=====] - 0s 7ms/step - loss: 0.6716 - accuracy: 0.
5517 - val_loss: 0.6700 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 52/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6766 - accuracy: 0.4375
Epoch 52: val_loss improved from 0.66890 to 0.66682, saving model to tmp/Weights-0
52--0.66682.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6707 - accuracy: 0.
5345 - val_loss: 0.6668 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 53/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6602 - accuracy: 0.5312
Epoch 53: val_loss did not improve from 0.66682
11/11 [=====] - 0s 8ms/step - loss: 0.6717 - accuracy: 0.
5431 - val_loss: 0.6691 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 54/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6598 - accuracy: 0.5625
Epoch 54: val_loss improved from 0.66682 to 0.66590, saving model to tmp/Weights-0
54--0.66590.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6692 - accuracy: 0.
5345 - val_loss: 0.6659 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 55/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6989 - accuracy: 0.5000
Epoch 55: val_loss did not improve from 0.66590
11/11 [=====] - 0s 6ms/step - loss: 0.6677 - accuracy: 0.
5460 - val_loss: 0.6666 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 56/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6797 - accuracy: 0.5938
Epoch 56: val_loss improved from 0.66590 to 0.66584, saving model to tmp/Weights-0
56--0.66584.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6674 - accuracy:
0.5115 - val_loss: 0.6658 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 57/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6621 - accuracy: 0.4688
Epoch 57: val_loss improved from 0.66584 to 0.66481, saving model to tmp/Weights-0
57--0.66481.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6683 - accuracy:
0.5287 - val_loss: 0.6648 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 58/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6762 - accuracy: 0.5312
Epoch 58: val_loss improved from 0.66481 to 0.66379, saving model to tmp/Weights-0
58--0.66379.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6666 - accuracy:
0.5374 - val_loss: 0.6638 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 59/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6791 - accuracy: 0.5000
Epoch 59: val_loss did not improve from 0.66379
11/11 [=====] - 0s 10ms/step - loss: 0.6664 - accuracy:
0.5259 - val_loss: 0.6648 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 60/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6685 - accuracy: 0.5000
Epoch 60: val_loss improved from 0.66379 to 0.66132, saving model to tmp/Weights-0
60--0.66132.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6643 - accuracy: 0.
5316 - val_loss: 0.6613 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 61/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6602 - accuracy: 0.5938
Epoch 61: val_loss did not improve from 0.66132
11/11 [=====] - 0s 8ms/step - loss: 0.6650 - accuracy: 0.
5517 - val_loss: 0.6633 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 62/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6842 - accuracy: 0.6562
Epoch 62: val_loss did not improve from 0.66132
11/11 [=====] - 0s 8ms/step - loss: 0.6627 - accuracy: 0.
5833 - val_loss: 0.6614 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 63/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6944 - accuracy: 0.5312
Epoch 63: val_loss did not improve from 0.66132
11/11 [=====] - 0s 8ms/step - loss: 0.6617 - accuracy: 0.
5460 - val_loss: 0.6616 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 64/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6633 - accuracy: 0.4375
Epoch 64: val_loss improved from 0.66132 to 0.66087, saving model to tmp/Weights-0
64--0.66087.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6616 - accuracy: 0.
5374 - val_loss: 0.6609 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 65/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6484 - accuracy: 0.5625
Epoch 65: val_loss improved from 0.66087 to 0.65999, saving model to tmp/Weights-0
65--0.65999.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6609 - accuracy:
0.5460 - val_loss: 0.6600 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 66/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6864 - accuracy: 0.3438
Epoch 66: val_loss improved from 0.65999 to 0.65958, saving model to tmp/Weights-0
66--0.65958.hdf5
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11/11 [=====] - 0s 9ms/step - loss: 0.6641 - accuracy: 0.5259 - val_loss: 0.6596 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 67/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6117 - accuracy: 0.6875
Epoch 67: val_loss did not improve from 0.65958
11/11 [=====] - 0s 8ms/step - loss: 0.6597 - accuracy: 0.5460 - val_loss: 0.6618 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 68/1000
11/11 [=====] - ETA: 0s - loss: 0.6595 - accuracy: 0.5517
Epoch 68: val_loss improved from 0.65958 to 0.65841, saving model to tmp/Weights-0 68--0.65841.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6595 - accuracy: 0.5517 - val_loss: 0.6584 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 69/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6754 - accuracy: 0.6250
Epoch 69: val_loss improved from 0.65841 to 0.65837, saving model to tmp/Weights-0 69--0.65837.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6592 - accuracy: 0.5690 - val_loss: 0.6584 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 70/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6605 - accuracy: 0.5312
Epoch 70: val_loss improved from 0.65837 to 0.65778, saving model to tmp/Weights-0 70--0.65778.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6596 - accuracy: 0.5431 - val_loss: 0.6578 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 71/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6505 - accuracy: 0.5312
Epoch 71: val_loss did not improve from 0.65778
11/11 [=====] - 0s 8ms/step - loss: 0.6585 - accuracy: 0.5517 - val_loss: 0.6583 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 72/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6587 - accuracy: 0.5625
Epoch 72: val_loss improved from 0.65778 to 0.65730, saving model to tmp/Weights-0 72--0.65730.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6581 - accuracy: 0.5230 - val_loss: 0.6573 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 73/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6956 - accuracy: 0.3438
Epoch 73: val_loss improved from 0.65730 to 0.65682, saving model to tmp/Weights-0 73--0.65682.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6571 - accuracy: 0.5230 - val_loss: 0.6568 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 74/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6328 - accuracy: 0.5625
Epoch 74: val_loss improved from 0.65682 to 0.65520, saving model to tmp/Weights-0 74--0.65520.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6571 - accuracy: 0.5489 - val_loss: 0.6552 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 75/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6669 - accuracy: 0.5625
Epoch 75: val_loss did not improve from 0.65520
11/11 [=====] - 0s 8ms/step - loss: 0.6548 - accuracy: 0.5747 - val_loss: 0.6603 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 76/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6500 - accuracy: 0.5625
Epoch 76: val_loss improved from 0.65520 to 0.65449, saving model to tmp/Weights-0 76--0.65449.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6559 - accuracy: 0.5862 - val_loss: 0.6545 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 77/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6720 - accuracy: 0.5000
Epoch 77: val_loss did not improve from 0.65449
11/11 [=====] - 0s 8ms/step - loss: 0.6545 - accuracy: 0.5546 - val_loss: 0.6552 - val_accuracy: 0.5600 - lr: 0.0090
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Epoch 78/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6923 - accuracy: 0.4375
Epoch 78: val_loss did not improve from 0.65449
11/11 [=====] - 0s 7ms/step - loss: 0.6538 - accuracy: 0.
5345 - val_loss: 0.6553 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 79/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6929 - accuracy: 0.4688
Epoch 79: val_loss did not improve from 0.65449
11/11 [=====] - 0s 8ms/step - loss: 0.6537 - accuracy: 0.
5374 - val_loss: 0.6545 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 80/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6307 - accuracy: 0.5625
Epoch 80: val_loss improved from 0.65449 to 0.65423, saving model to tmp/Weights-0
80--0.65423.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6527 - accuracy: 0.
5460 - val_loss: 0.6542 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 81/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6553 - accuracy: 0.4375
Epoch 81: val_loss improved from 0.65423 to 0.65302, saving model to tmp/Weights-0
81--0.65302.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6518 - accuracy: 0.
5287 - val_loss: 0.6530 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 82/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6024 - accuracy: 0.6250
Epoch 82: val_loss did not improve from 0.65302
11/11 [=====] - 0s 8ms/step - loss: 0.6509 - accuracy: 0.
5316 - val_loss: 0.6578 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 83/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6491 - accuracy: 0.5312
Epoch 83: val_loss improved from 0.65302 to 0.65243, saving model to tmp/Weights-0
83--0.65243.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6525 - accuracy:
0.5316 - val_loss: 0.6524 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 84/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6528 - accuracy: 0.4062
Epoch 84: val_loss improved from 0.65243 to 0.65231, saving model to tmp/Weights-0
84--0.65231.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6503 - accuracy: 0.
5862 - val_loss: 0.6523 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 85/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6454 - accuracy: 0.5625
Epoch 85: val_loss did not improve from 0.65231
11/11 [=====] - 0s 9ms/step - loss: 0.6500 - accuracy: 0.
5316 - val_loss: 0.6547 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 86/1000
11/11 [=====] - ETA: 0s - loss: 0.6511 - accuracy: 0.5431
Epoch 86: val_loss did not improve from 0.65231
11/11 [=====] - 0s 9ms/step - loss: 0.6511 - accuracy: 0.
5431 - val_loss: 0.6531 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 87/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6431 - accuracy: 0.5000
Epoch 87: val_loss did not improve from 0.65231
11/11 [=====] - 0s 7ms/step - loss: 0.6506 - accuracy: 0.
5402 - val_loss: 0.6549 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 88/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6428 - accuracy: 0.5000
Epoch 88: val_loss improved from 0.65231 to 0.65089, saving model to tmp/Weights-0
88--0.65089.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6493 - accuracy: 0.
5517 - val_loss: 0.6509 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 89/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6570 - accuracy: 0.4688
Epoch 89: val_loss did not improve from 0.65089
11/11 [=====] - 0s 6ms/step - loss: 0.6494 - accuracy: 0.
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5374 - val_loss: 0.6520 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 90/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6094 - accuracy: 0.6875
Epoch 90: val_loss did not improve from 0.65089
11/11 [=====] - 0s 7ms/step - loss: 0.6506 - accuracy: 0.
5690 - val_loss: 0.6521 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 91/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6547 - accuracy: 0.5000
Epoch 91: val_loss improved from 0.65089 to 0.65023, saving model to tmp/Weights-0
91--0.65023.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6492 - accuracy:
0.5345 - val_loss: 0.6502 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 92/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6532 - accuracy: 0.5312
Epoch 92: val_loss did not improve from 0.65023
11/11 [=====] - 0s 8ms/step - loss: 0.6495 - accuracy: 0.
5517 - val_loss: 0.6536 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 93/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6728 - accuracy: 0.5312
Epoch 93: val_loss did not improve from 0.65023
11/11 [=====] - 0s 7ms/step - loss: 0.6529 - accuracy: 0.
5460 - val_loss: 0.6506 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 94/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6424 - accuracy: 0.4375
Epoch 94: val_loss did not improve from 0.65023
11/11 [=====] - 0s 8ms/step - loss: 0.6487 - accuracy: 0.
5259 - val_loss: 0.6545 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 95/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6467 - accuracy: 0.5312
Epoch 95: val_loss improved from 0.65023 to 0.64953, saving model to tmp/Weights-0
95--0.64953.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6472 - accuracy: 0.
5460 - val_loss: 0.6495 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 96/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6614 - accuracy: 0.5625
Epoch 96: val_loss improved from 0.64953 to 0.64886, saving model to tmp/Weights-0
96--0.64886.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6462 - accuracy:
0.5259 - val_loss: 0.6489 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 97/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6548 - accuracy: 0.6250
Epoch 97: val_loss improved from 0.64886 to 0.64803, saving model to tmp/Weights-0
97--0.64803.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6443 - accuracy:
0.5661 - val_loss: 0.6480 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 98/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6654 - accuracy: 0.5312
Epoch 98: val_loss did not improve from 0.64803
11/11 [=====] - 0s 7ms/step - loss: 0.6456 - accuracy: 0.
5431 - val_loss: 0.6497 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 99/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6337 - accuracy: 0.5938
Epoch 99: val_loss did not improve from 0.64803
11/11 [=====] - 0s 7ms/step - loss: 0.6439 - accuracy: 0.
5374 - val_loss: 0.6488 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 100/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6895 - accuracy: 0.4375
Epoch 100: val_loss did not improve from 0.64803
11/11 [=====] - 0s 8ms/step - loss: 0.6445 - accuracy: 0.
5460 - val_loss: 0.6483 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 101/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6110 - accuracy: 0.5938
Epoch 101: val_loss did not improve from 0.64803
11/11 [=====] - 0s 6ms/step - loss: 0.6444 - accuracy: 0.
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5345 - val_loss: 0.6485 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 102/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6415 - accuracy: 0.4375
Epoch 102: val_loss did not improve from 0.64803
11/11 [=====] - 0s 8ms/step - loss: 0.6515 - accuracy: 0.
5603 - val_loss: 0.6505 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 103/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6408 - accuracy: 0.5312
Epoch 103: val_loss did not improve from 0.64803
11/11 [=====] - 0s 9ms/step - loss: 0.6457 - accuracy: 0.
5374 - val_loss: 0.6498 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 104/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6414 - accuracy: 0.5750
Epoch 104: val_loss did not improve from 0.64803
11/11 [=====] - 0s 11ms/step - loss: 0.6435 - accuracy:
0.5603 - val_loss: 0.6485 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 105/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6096 - accuracy: 0.6875
Epoch 105: val_loss improved from 0.64803 to 0.64723, saving model to tmp/Weights-
105--0.64723.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6419 - accuracy:
0.5546 - val_loss: 0.6472 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 106/1000
11/11 [=====] - ETA: 0s - loss: 0.6456 - accuracy: 0.5546
Epoch 106: val_loss did not improve from 0.64723
11/11 [=====] - 0s 9ms/step - loss: 0.6456 - accuracy: 0.
5546 - val_loss: 0.6512 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 107/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6177 - accuracy: 0.5312
Epoch 107: val_loss did not improve from 0.64723
11/11 [=====] - 0s 8ms/step - loss: 0.6483 - accuracy: 0.
5546 - val_loss: 0.6472 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 108/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6148 - accuracy: 0.6250
Epoch 108: val_loss improved from 0.64723 to 0.64624, saving model to tmp/Weights-
108--0.64624.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6416 - accuracy:
0.5575 - val_loss: 0.6462 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 109/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6264 - accuracy: 0.6562
Epoch 109: val_loss did not improve from 0.64624
11/11 [=====] - 0s 7ms/step - loss: 0.6422 - accuracy: 0.
5402 - val_loss: 0.6486 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 110/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6239 - accuracy: 0.6250
Epoch 110: val_loss improved from 0.64624 to 0.64586, saving model to tmp/Weights-
110--0.64586.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6413 - accuracy:
0.5374 - val_loss: 0.6459 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 111/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6750 - accuracy: 0.4688
Epoch 111: val_loss improved from 0.64586 to 0.64572, saving model to tmp/Weights-
111--0.64572.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6429 - accuracy:
0.5603 - val_loss: 0.6457 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 112/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6451 - accuracy: 0.4688
Epoch 112: val_loss improved from 0.64572 to 0.64553, saving model to tmp/Weights-
112--0.64553.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6410 - accuracy:
0.5517 - val_loss: 0.6455 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 113/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6726 - accuracy: 0.4375
Epoch 113: val_loss did not improve from 0.64553
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11/11 [=====] - 0s 8ms/step - loss: 0.6402 - accuracy: 0.5374 - val_loss: 0.6479 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 114/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6545 - accuracy: 0.5312
Epoch 114: val_loss improved from 0.64553 to 0.64400, saving model to tmp/Weights-114--0.64400.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6403 - accuracy: 0.5632 - val_loss: 0.6440 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 115/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6714 - accuracy: 0.3750
Epoch 115: val_loss did not improve from 0.64400
11/11 [=====] - 0s 8ms/step - loss: 0.6412 - accuracy: 0.5575 - val_loss: 0.6448 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 116/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6510 - accuracy: 0.5625
Epoch 116: val_loss improved from 0.64400 to 0.64376, saving model to tmp/Weights-116--0.64376.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6421 - accuracy: 0.5489 - val_loss: 0.6438 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 117/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6699 - accuracy: 0.2812
Epoch 117: val_loss did not improve from 0.64376
11/11 [=====] - 0s 7ms/step - loss: 0.6448 - accuracy: 0.5144 - val_loss: 0.6457 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 118/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6045 - accuracy: 0.5938
Epoch 118: val_loss did not improve from 0.64376
11/11 [=====] - 0s 7ms/step - loss: 0.6395 - accuracy: 0.5632 - val_loss: 0.6497 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 119/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5985 - accuracy: 0.6250
Epoch 119: val_loss improved from 0.64376 to 0.64327, saving model to tmp/Weights-119--0.64327.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6409 - accuracy: 0.5632 - val_loss: 0.6433 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 120/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6362 - accuracy: 0.5938
Epoch 120: val_loss did not improve from 0.64327
11/11 [=====] - 0s 8ms/step - loss: 0.6422 - accuracy: 0.5690 - val_loss: 0.6481 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 121/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6485 - accuracy: 0.5938
Epoch 121: val_loss improved from 0.64327 to 0.64219, saving model to tmp/Weights-121--0.64219.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6396 - accuracy: 0.5489 - val_loss: 0.6422 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 122/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6005 - accuracy: 0.5312
Epoch 122: val_loss improved from 0.64219 to 0.64154, saving model to tmp/Weights-122--0.64154.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6392 - accuracy: 0.5431 - val_loss: 0.6415 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 123/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6659 - accuracy: 0.5000
Epoch 123: val_loss did not improve from 0.64154
11/11 [=====] - 0s 7ms/step - loss: 0.6368 - accuracy: 0.5546 - val_loss: 0.6423 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 124/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6280 - accuracy: 0.5625
Epoch 124: val_loss did not improve from 0.64154
11/11 [=====] - 0s 7ms/step - loss: 0.6368 - accuracy: 0.5374 - val_loss: 0.6459 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 125/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6384 - accuracy: 0.5406
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Epoch 125: val_loss did not improve from 0.64154
11/11 [=====] - 0s 9ms/step - loss: 0.6380 - accuracy: 0.
5431 - val_loss: 0.6421 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 126/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6366 - accuracy: 0.5312
Epoch 126: val_loss did not improve from 0.64154
11/11 [=====] - 0s 8ms/step - loss: 0.6367 - accuracy: 0.
5287 - val_loss: 0.6430 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 127/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6419 - accuracy: 0.5312
Epoch 127: val_loss improved from 0.64154 to 0.64081, saving model to tmp/Weights-127--0.64081.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6353 - accuracy: 0.
5374 - val_loss: 0.6408 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 128/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6615 - accuracy: 0.5312
Epoch 128: val_loss did not improve from 0.64081
11/11 [=====] - 0s 7ms/step - loss: 0.6354 - accuracy: 0.
5374 - val_loss: 0.6432 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 129/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6398 - accuracy: 0.5625
Epoch 129: val_loss did not improve from 0.64081
11/11 [=====] - 0s 7ms/step - loss: 0.6343 - accuracy: 0.
5431 - val_loss: 0.6418 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 130/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6080 - accuracy: 0.5000
Epoch 130: val_loss did not improve from 0.64081
11/11 [=====] - 0s 7ms/step - loss: 0.6352 - accuracy: 0.
5259 - val_loss: 0.6410 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 131/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6767 - accuracy: 0.5000
Epoch 131: val_loss did not improve from 0.64081
11/11 [=====] - 0s 7ms/step - loss: 0.6366 - accuracy: 0.
5345 - val_loss: 0.6410 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 132/1000
9/11 [=====>.....] - ETA: 0s - loss: 0.6402 - accuracy: 0.5625
Epoch 132: val_loss did not improve from 0.64081
11/11 [=====] - 0s 11ms/step - loss: 0.6379 - accuracy: 0.
5690 - val_loss: 0.6433 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 133/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6439 - accuracy: 0.6875
Epoch 133: val_loss did not improve from 0.64081
11/11 [=====] - 0s 9ms/step - loss: 0.6344 - accuracy: 0.
5316 - val_loss: 0.6416 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 134/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6513 - accuracy: 0.5312
Epoch 134: val_loss improved from 0.64081 to 0.63961, saving model to tmp/Weights-134--0.63961.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6352 - accuracy: 0.
5431 - val_loss: 0.6396 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 135/1000
11/11 [=====] - ETA: 0s - loss: 0.6360 - accuracy: 0.5431
Epoch 135: val_loss did not improve from 0.63961
11/11 [=====] - 0s 10ms/step - loss: 0.6360 - accuracy: 0.
5431 - val_loss: 0.6400 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 136/1000
11/11 [=====] - ETA: 0s - loss: 0.6333 - accuracy: 0.5489
Epoch 136: val_loss improved from 0.63961 to 0.63932, saving model to tmp/Weights-136--0.63932.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6333 - accuracy: 0.
5489 - val_loss: 0.6393 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 137/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6196 - accuracy: 0.5938
Epoch 137: val_loss improved from 0.63932 to 0.63747, saving model to tmp/Weights-
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137--0.63747.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6333 - accuracy: 0.5460 - val_loss: 0.6375 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 138/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6410 - accuracy: 0.4375
Epoch 138: val_loss did not improve from 0.63747
11/11 [=====] - 0s 8ms/step - loss: 0.6337 - accuracy: 0.5115 - val_loss: 0.6425 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 139/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6207 - accuracy: 0.6562
Epoch 139: val_loss did not improve from 0.63747
11/11 [=====] - 0s 8ms/step - loss: 0.6314 - accuracy: 0.5460 - val_loss: 0.6380 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 140/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6003 - accuracy: 0.6562
Epoch 140: val_loss did not improve from 0.63747
11/11 [=====] - 0s 8ms/step - loss: 0.6370 - accuracy: 0.5661 - val_loss: 0.6482 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 141/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5912 - accuracy: 0.5938
Epoch 141: val_loss improved from 0.63747 to 0.63656, saving model to tmp/Weights-141--0.63656.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6355 - accuracy: 0.5489 - val_loss: 0.6366 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 142/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6008 - accuracy: 0.5625
Epoch 142: val_loss did not improve from 0.63656
11/11 [=====] - 0s 8ms/step - loss: 0.6327 - accuracy: 0.5259 - val_loss: 0.6419 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 143/1000
11/11 [=====] - ETA: 0s - loss: 0.6341 - accuracy: 0.5690
Epoch 143: val_loss did not improve from 0.63656
11/11 [=====] - 0s 11ms/step - loss: 0.6341 - accuracy: 0.5690 - val_loss: 0.6390 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 144/1000
10/11 [=====,>...] - ETA: 0s - loss: 0.6318 - accuracy: 0.5281
Epoch 144: val_loss did not improve from 0.63656
11/11 [=====] - 0s 11ms/step - loss: 0.6309 - accuracy: 0.5316 - val_loss: 0.6378 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 145/1000
11/11 [=====] - ETA: 0s - loss: 0.6314 - accuracy: 0.5201
Epoch 145: val_loss did not improve from 0.63656
11/11 [=====] - 0s 11ms/step - loss: 0.6314 - accuracy: 0.5201 - val_loss: 0.6371 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 146/1000
9/11 [=====,>....] - ETA: 0s - loss: 0.6330 - accuracy: 0.5625
Epoch 146: val_loss improved from 0.63656 to 0.63570, saving model to tmp/Weights-146--0.63570.hdf5
11/11 [=====] - 0s 14ms/step - loss: 0.6295 - accuracy: 0.5546 - val_loss: 0.6357 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 147/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6092 - accuracy: 0.4375
Epoch 147: val_loss did not improve from 0.63570
11/11 [=====] - 0s 10ms/step - loss: 0.6291 - accuracy: 0.5259 - val_loss: 0.6367 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 148/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6430 - accuracy: 0.5625
Epoch 148: val_loss improved from 0.63570 to 0.63569, saving model to tmp/Weights-148--0.63569.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6293 - accuracy: 0.5402 - val_loss: 0.6357 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 149/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6388 - accuracy: 0.5625
Epoch 149: val_loss improved from 0.63569 to 0.63467, saving model to tmp/Weights-
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149--0.63467.hdf5
11/11 [=====] - 0s 14ms/step - loss: 0.6315 - accuracy: 0.5517 - val_loss: 0.6347 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 150/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5675 - accuracy: 0.5312
Epoch 150: val_loss did not improve from 0.63467
11/11 [=====] - 0s 9ms/step - loss: 0.6311 - accuracy: 0.5546 - val_loss: 0.6400 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 151/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6326 - accuracy: 0.5844
Epoch 151: val_loss did not improve from 0.63467
11/11 [=====] - 0s 12ms/step - loss: 0.6320 - accuracy: 0.5862 - val_loss: 0.6365 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 152/1000
9/11 [=====>.....] - ETA: 0s - loss: 0.6374 - accuracy: 0.5521
Epoch 152: val_loss did not improve from 0.63467
11/11 [=====] - 0s 16ms/step - loss: 0.6320 - accuracy: 0.5517 - val_loss: 0.6387 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 153/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6281 - accuracy: 0.5594
Epoch 153: val_loss improved from 0.63467 to 0.63249, saving model to tmp/Weights-153--0.63249.hdf5
11/11 [=====] - 0s 16ms/step - loss: 0.6270 - accuracy: 0.5603 - val_loss: 0.6325 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 154/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6221 - accuracy: 0.5938
Epoch 154: val_loss did not improve from 0.63249
11/11 [=====] - 0s 9ms/step - loss: 0.6274 - accuracy: 0.5374 - val_loss: 0.6354 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 155/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6278 - accuracy: 0.5625
Epoch 155: val_loss did not improve from 0.63249
11/11 [=====] - 0s 14ms/step - loss: 0.6276 - accuracy: 0.5603 - val_loss: 0.6349 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 156/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6632 - accuracy: 0.5312
Epoch 156: val_loss did not improve from 0.63249
11/11 [=====] - 0s 12ms/step - loss: 0.6258 - accuracy: 0.5287 - val_loss: 0.6351 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 157/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6398 - accuracy: 0.6562
Epoch 157: val_loss did not improve from 0.63249
11/11 [=====] - 0s 9ms/step - loss: 0.6265 - accuracy: 0.5546 - val_loss: 0.6325 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 158/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6253 - accuracy: 0.5156
Epoch 158: val_loss did not improve from 0.63249
11/11 [=====] - 0s 12ms/step - loss: 0.6251 - accuracy: 0.5172 - val_loss: 0.6331 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 159/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6435 - accuracy: 0.4688
Epoch 159: val_loss did not improve from 0.63249
11/11 [=====] - 0s 13ms/step - loss: 0.6257 - accuracy: 0.5287 - val_loss: 0.6350 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 160/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6218 - accuracy: 0.5219
Epoch 160: val_loss improved from 0.63249 to 0.63151, saving model to tmp/Weights-160--0.63151.hdf5
11/11 [=====] - 0s 16ms/step - loss: 0.6249 - accuracy: 0.5230 - val_loss: 0.6315 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 161/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6196 - accuracy: 0.4375
Epoch 161: val_loss did not improve from 0.63151
11/11 [=====] - 0s 10ms/step - loss: 0.6248 - accuracy:
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0.5259 - val_loss: 0.6333 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 162/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6172 - accuracy: 0.5312
Epoch 162: val_loss did not improve from 0.63151
11/11 [=====] - 0s 10ms/step - loss: 0.6253 - accuracy: 0.5661 - val_loss: 0.6326 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 163/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6042 - accuracy: 0.7188
Epoch 163: val_loss did not improve from 0.63151
11/11 [=====] - 0s 10ms/step - loss: 0.6249 - accuracy: 0.5920 - val_loss: 0.6349 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 164/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6228 - accuracy: 0.5469
Epoch 164: val_loss improved from 0.63151 to 0.63027, saving model to tmp/Weights-164--0.63027.hdf5
11/11 [=====] - 0s 17ms/step - loss: 0.6240 - accuracy: 0.5546 - val_loss: 0.6303 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 165/1000
9/11 [=====>....] - ETA: 0s - loss: 0.6271 - accuracy: 0.5347
Epoch 165: val_loss did not improve from 0.63027
11/11 [=====] - 0s 12ms/step - loss: 0.6271 - accuracy: 0.5460 - val_loss: 0.6343 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 166/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6016 - accuracy: 0.5625
Epoch 166: val_loss did not improve from 0.63027
11/11 [=====] - 0s 7ms/step - loss: 0.6254 - accuracy: 0.5316 - val_loss: 0.6347 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 167/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6368 - accuracy: 0.5625
Epoch 167: val_loss did not improve from 0.63027
11/11 [=====] - 0s 8ms/step - loss: 0.6238 - accuracy: 0.5718 - val_loss: 0.6310 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 168/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6471 - accuracy: 0.3750
Epoch 168: val_loss did not improve from 0.63027
11/11 [=====] - 0s 8ms/step - loss: 0.6231 - accuracy: 0.5402 - val_loss: 0.6321 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 169/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6675 - accuracy: 0.4375
Epoch 169: val_loss did not improve from 0.63027
11/11 [=====] - 0s 8ms/step - loss: 0.6267 - accuracy: 0.5575 - val_loss: 0.6344 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 170/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6162 - accuracy: 0.5938
Epoch 170: val_loss did not improve from 0.63027
11/11 [=====] - 0s 9ms/step - loss: 0.6247 - accuracy: 0.5316 - val_loss: 0.6304 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 171/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5774 - accuracy: 0.5312
Epoch 171: val_loss did not improve from 0.63027
11/11 [=====] - 0s 8ms/step - loss: 0.6220 - accuracy: 0.5546 - val_loss: 0.6321 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 172/1000
11/11 [=====] - ETA: 0s - loss: 0.6204 - accuracy: 0.5603
Epoch 172: val_loss did not improve from 0.63027
11/11 [=====] - 0s 11ms/step - loss: 0.6204 - accuracy: 0.5603 - val_loss: 0.6310 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 173/1000
11/11 [=====] - ETA: 0s - loss: 0.6219 - accuracy: 0.5287
Epoch 173: val_loss improved from 0.63027 to 0.63027, saving model to tmp/Weights-173--0.63027.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6219 - accuracy: 0.5287 - val_loss: 0.6303 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 174/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6604 - accuracy: 0.6250
Epoch 174: val_loss did not improve from 0.63027
11/11 [=====] - 0s 9ms/step - loss: 0.6184 - accuracy: 0.
5603 - val_loss: 0.6327 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 175/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5897 - accuracy: 0.6875
Epoch 175: val_loss did not improve from 0.63027
11/11 [=====] - 0s 8ms/step - loss: 0.6197 - accuracy: 0.
5747 - val_loss: 0.6319 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 176/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6569 - accuracy: 0.4688
Epoch 176: val_loss improved from 0.63027 to 0.62959, saving model to tmp/Weights-176--0.62959.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6201 - accuracy: 0.
5201 - val_loss: 0.6296 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 177/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6348 - accuracy: 0.5312
Epoch 177: val_loss improved from 0.62959 to 0.62951, saving model to tmp/Weights-177--0.62951.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6212 - accuracy: 0.
5287 - val_loss: 0.6295 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 178/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5211 - accuracy: 0.7812
Epoch 178: val_loss did not improve from 0.62951
11/11 [=====] - 0s 8ms/step - loss: 0.6227 - accuracy: 0.
5230 - val_loss: 0.6305 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 179/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6190 - accuracy: 0.6875
Epoch 179: val_loss did not improve from 0.62951
11/11 [=====] - 0s 8ms/step - loss: 0.6236 - accuracy: 0.
5661 - val_loss: 0.6436 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 180/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5904 - accuracy: 0.5938
Epoch 180: val_loss did not improve from 0.62951
11/11 [=====] - 0s 9ms/step - loss: 0.6238 - accuracy: 0.
5460 - val_loss: 0.6310 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 181/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6351 - accuracy: 0.4688
Epoch 181: val_loss improved from 0.62951 to 0.62878, saving model to tmp/Weights-181--0.62878.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6160 - accuracy: 0.
5460 - val_loss: 0.6288 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 182/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6634 - accuracy: 0.5000
Epoch 182: val_loss did not improve from 0.62878
11/11 [=====] - 0s 7ms/step - loss: 0.6190 - accuracy: 0.
5517 - val_loss: 0.6299 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 183/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6287 - accuracy: 0.5000
Epoch 183: val_loss did not improve from 0.62878
11/11 [=====] - 0s 9ms/step - loss: 0.6162 - accuracy: 0.
5374 - val_loss: 0.6288 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 184/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6188 - accuracy: 0.5281
Epoch 184: val_loss improved from 0.62878 to 0.62836, saving model to tmp/Weights-184--0.62836.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6175 - accuracy: 0.
5259 - val_loss: 0.6284 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 185/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6231 - accuracy: 0.5625
Epoch 185: val_loss did not improve from 0.62836
11/11 [=====] - 0s 8ms/step - loss: 0.6164 - accuracy: 0.
5776 - val_loss: 0.6289 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 186/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6266 - accuracy: 0.5938
Epoch 186: val_loss improved from 0.62836 to 0.62771, saving model to tmp/Weights-186--0.62771.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6149 - accuracy: 0.5632 - val_loss: 0.6277 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 187/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5801 - accuracy: 0.5312
Epoch 187: val_loss improved from 0.62771 to 0.62532, saving model to tmp/Weights-187--0.62532.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6140 - accuracy: 0.5345 - val_loss: 0.6253 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 188/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5620 - accuracy: 0.5312
Epoch 188: val_loss did not improve from 0.62532
11/11 [=====] - 0s 9ms/step - loss: 0.6162 - accuracy: 0.5172 - val_loss: 0.6282 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 189/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5867 - accuracy: 0.5625
Epoch 189: val_loss improved from 0.62532 to 0.62290, saving model to tmp/Weights-189--0.62290.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6143 - accuracy: 0.5345 - val_loss: 0.6229 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 190/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6144 - accuracy: 0.5000
Epoch 190: val_loss did not improve from 0.62290
11/11 [=====] - 0s 8ms/step - loss: 0.6157 - accuracy: 0.5603 - val_loss: 0.6312 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 191/1000
11/11 [=====] - ETA: 0s - loss: 0.6140 - accuracy: 0.5374
Epoch 191: val_loss did not improve from 0.62290
11/11 [=====] - 0s 11ms/step - loss: 0.6140 - accuracy: 0.5374 - val_loss: 0.6260 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 192/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5200 - accuracy: 0.7812
Epoch 192: val_loss did not improve from 0.62290
11/11 [=====] - 0s 9ms/step - loss: 0.6158 - accuracy: 0.5115 - val_loss: 0.6299 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 193/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6358 - accuracy: 0.5000
Epoch 193: val_loss did not improve from 0.62290
11/11 [=====] - 0s 9ms/step - loss: 0.6240 - accuracy: 0.5287 - val_loss: 0.6369 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 194/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6300 - accuracy: 0.5625
Epoch 194: val_loss improved from 0.62290 to 0.62008, saving model to tmp/Weights-194--0.62008.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6146 - accuracy: 0.5460 - val_loss: 0.6201 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 195/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6167 - accuracy: 0.3750
Epoch 195: val_loss did not improve from 0.62008
11/11 [=====] - 0s 9ms/step - loss: 0.6135 - accuracy: 0.5690 - val_loss: 0.6226 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 196/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6530 - accuracy: 0.4688
Epoch 196: val_loss did not improve from 0.62008
11/11 [=====] - 0s 8ms/step - loss: 0.6121 - accuracy: 0.5402 - val_loss: 0.6231 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 197/1000
11/11 [=====] - ETA: 0s - loss: 0.6117 - accuracy: 0.5690
Epoch 197: val_loss did not improve from 0.62008
11/11 [=====] - 0s 10ms/step - loss: 0.6117 - accuracy: 0.5690 - val_loss: 0.6237 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 198/1000
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11/11 [=====] - ETA: 0s - loss: 0.6153 - accuracy: 0.5546
Epoch 198: val_loss did not improve from 0.62008
11/11 [=====] - 0s 10ms/step - loss: 0.6153 - accuracy: 0.5546 - val_loss: 0.6243 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 199/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6067 - accuracy: 0.4375
Epoch 199: val_loss did not improve from 0.62008
11/11 [=====] - 0s 8ms/step - loss: 0.6143 - accuracy: 0.5747 - val_loss: 0.6202 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 200/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6137 - accuracy: 0.5625
Epoch 200: val_loss did not improve from 0.62008
11/11 [=====] - 0s 10ms/step - loss: 0.6114 - accuracy: 0.5374 - val_loss: 0.6209 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 201/1000
11/11 [=====] - ETA: 0s - loss: 0.6090 - accuracy: 0.5776
Epoch 201: val_loss did not improve from 0.62008
11/11 [=====] - 0s 9ms/step - loss: 0.6090 - accuracy: 0.5776 - val_loss: 0.6272 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 202/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6212 - accuracy: 0.5312
Epoch 202: val_loss did not improve from 0.62008
11/11 [=====] - 0s 9ms/step - loss: 0.6145 - accuracy: 0.5517 - val_loss: 0.6308 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 203/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6174 - accuracy: 0.5625
Epoch 203: val_loss improved from 0.62008 to 0.61971, saving model to tmp/Weights-203--0.61971.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6098 - accuracy: 0.5718 - val_loss: 0.6197 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 204/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6533 - accuracy: 0.5625
Epoch 204: val_loss improved from 0.61971 to 0.61959, saving model to tmp/Weights-204--0.61959.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6075 - accuracy: 0.5661 - val_loss: 0.6196 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 205/1000
11/11 [=====] - ETA: 0s - loss: 0.6082 - accuracy: 0.5718
Epoch 205: val_loss did not improve from 0.61959
11/11 [=====] - 0s 10ms/step - loss: 0.6082 - accuracy: 0.5718 - val_loss: 0.6215 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 206/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5748 - accuracy: 0.5938
Epoch 206: val_loss did not improve from 0.61959
11/11 [=====] - 0s 8ms/step - loss: 0.6089 - accuracy: 0.5489 - val_loss: 0.6222 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 207/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6280 - accuracy: 0.6250
Epoch 207: val_loss did not improve from 0.61959
11/11 [=====] - 0s 9ms/step - loss: 0.6122 - accuracy: 0.5690 - val_loss: 0.6353 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 208/1000
11/11 [=====] - ETA: 0s - loss: 0.6147 - accuracy: 0.5546
Epoch 208: val_loss did not improve from 0.61959
11/11 [=====] - 0s 9ms/step - loss: 0.6147 - accuracy: 0.5546 - val_loss: 0.6213 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 209/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6284 - accuracy: 0.4688
Epoch 209: val_loss did not improve from 0.61959
11/11 [=====] - 0s 7ms/step - loss: 0.6081 - accuracy: 0.5402 - val_loss: 0.6200 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 210/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6147 - accuracy: 0.6562
Epoch 210: val_loss improved from 0.61959 to 0.61884, saving model to tmp/Weights-
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210--0.61884.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6047 - accuracy: 0.5891 - val_loss: 0.6188 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 211/1000
11/11 [=====] - ETA: 0s - loss: 0.6038 - accuracy: 0.5489
Epoch 211: val_loss did not improve from 0.61884
11/11 [=====] - 0s 10ms/step - loss: 0.6038 - accuracy: 0.5489 - val_loss: 0.6205 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 212/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6010 - accuracy: 0.7188
Epoch 212: val_loss improved from 0.61884 to 0.61692, saving model to tmp/Weights-212--0.61692.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6045 - accuracy: 0.5833 - val_loss: 0.6169 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 213/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6229 - accuracy: 0.5625
Epoch 213: val_loss did not improve from 0.61692
11/11 [=====] - 0s 8ms/step - loss: 0.6055 - accuracy: 0.5920 - val_loss: 0.6342 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 214/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6091 - accuracy: 0.5688
Epoch 214: val_loss did not improve from 0.61692
11/11 [=====] - 0s 11ms/step - loss: 0.6102 - accuracy: 0.5661 - val_loss: 0.6171 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 215/1000
5/11 [=====>.....] - ETA: 0s - loss: 0.6159 - accuracy: 0.4750
Epoch 215: val_loss did not improve from 0.61692
11/11 [=====] - 0s 26ms/step - loss: 0.6047 - accuracy: 0.5374 - val_loss: 0.6283 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 216/1000
11/11 [=====] - ETA: 0s - loss: 0.6107 - accuracy: 0.5833
Epoch 216: val_loss did not improve from 0.61692
11/11 [=====] - 0s 30ms/step - loss: 0.6107 - accuracy: 0.5833 - val_loss: 0.6213 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 217/1000
6/11 [=====>.....] - ETA: 0s - loss: 0.5949 - accuracy: 0.6042
Epoch 217: val_loss did not improve from 0.61692
11/11 [=====] - 0s 23ms/step - loss: 0.6014 - accuracy: 0.6034 - val_loss: 0.6182 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 218/1000
6/11 [=====>.....] - ETA: 0s - loss: 0.5955 - accuracy: 0.5833
Epoch 218: val_loss did not improve from 0.61692
11/11 [=====] - 0s 20ms/step - loss: 0.5980 - accuracy: 0.5776 - val_loss: 0.6188 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 219/1000
7/11 [=====>.....] - ETA: 0s - loss: 0.5896 - accuracy: 0.5759
Epoch 219: val_loss did not improve from 0.61692
11/11 [=====] - 0s 12ms/step - loss: 0.5981 - accuracy: 0.5690 - val_loss: 0.6204 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 220/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6301 - accuracy: 0.5312
Epoch 220: val_loss did not improve from 0.61692
11/11 [=====] - 0s 9ms/step - loss: 0.5969 - accuracy: 0.5977 - val_loss: 0.6180 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 221/1000
11/11 [=====] - ETA: 0s - loss: 0.5975 - accuracy: 0.5431
Epoch 221: val_loss improved from 0.61692 to 0.61650, saving model to tmp/Weights-221--0.61650.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5975 - accuracy: 0.5431 - val_loss: 0.6165 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 222/1000
8/11 [=====>.....] - ETA: 0s - loss: 0.5915 - accuracy: 0.6250
Epoch 222: val_loss improved from 0.61650 to 0.61608, saving model to tmp/Weights-222--0.61608.hdf5
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11/11 [=====] - 0s 23ms/step - loss: 0.5961 - accuracy: 0.5747 - val_loss: 0.6161 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 223/1000
6/11 [=====>.....] - ETA: 0s - loss: 0.5999 - accuracy: 0.5833
Epoch 223: val_loss did not improve from 0.61608
11/11 [=====] - 0s 26ms/step - loss: 0.5959 - accuracy: 0.5948 - val_loss: 0.6196 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 224/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5991 - accuracy: 0.5594
Epoch 224: val_loss did not improve from 0.61608
11/11 [=====] - 0s 29ms/step - loss: 0.5988 - accuracy: 0.5575 - val_loss: 0.6180 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 225/1000
7/11 [=====>.....] - ETA: 0s - loss: 0.6085 - accuracy: 0.5446
Epoch 225: val_loss did not improve from 0.61608
11/11 [=====] - 0s 17ms/step - loss: 0.5974 - accuracy: 0.5517 - val_loss: 0.6216 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 226/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6069 - accuracy: 0.5625
Epoch 226: val_loss did not improve from 0.61608
11/11 [=====] - 0s 15ms/step - loss: 0.6008 - accuracy: 0.5575 - val_loss: 0.6278 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 227/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6175 - accuracy: 0.5625
Epoch 227: val_loss improved from 0.61608 to 0.61442, saving model to tmp/Weights-227--0.61442.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5973 - accuracy: 0.5948 - val_loss: 0.6144 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 228/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5671 - accuracy: 0.7812
Epoch 228: val_loss improved from 0.61442 to 0.61360, saving model to tmp/Weights-228--0.61360.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5924 - accuracy: 0.6034 - val_loss: 0.6136 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 229/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6136 - accuracy: 0.6250
Epoch 229: val_loss did not improve from 0.61360
11/11 [=====] - 0s 7ms/step - loss: 0.5929 - accuracy: 0.5546 - val_loss: 0.6140 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 230/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6044 - accuracy: 0.5625
Epoch 230: val_loss did not improve from 0.61360
11/11 [=====] - 0s 7ms/step - loss: 0.5938 - accuracy: 0.5661 - val_loss: 0.6240 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 231/1000
11/11 [=====] - 0s 13ms/step - loss: 0.5970 - accuracy: 0.5977
Epoch 231: val_loss improved from 0.61360 to 0.61091, saving model to tmp/Weights-231--0.61091.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.5970 - accuracy: 0.5977 - val_loss: 0.6109 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 232/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6310 - accuracy: 0.4688
Epoch 232: val_loss did not improve from 0.61091
11/11 [=====] - 0s 8ms/step - loss: 0.5946 - accuracy: 0.5575 - val_loss: 0.6222 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 233/1000
11/11 [=====] - 0s 9ms/step - loss: 0.5960 - accuracy: 0.5977 - val_loss: 0.6144 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 234/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5401 - accuracy: 0.5000
Epoch 234: val_loss did not improve from 0.61091
11/11 [=====] - 0s 7ms/step - loss: 0.5929 - accuracy: 0.
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5690 - val_loss: 0.6152 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 235/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5503 - accuracy: 0.5625
Epoch 235: val_loss did not improve from 0.61091
11/11 [=====] - 0s 8ms/step - loss: 0.5965 - accuracy: 0.
5460 - val_loss: 0.6198 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 236/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6117 - accuracy: 0.4375
Epoch 236: val_loss improved from 0.61091 to 0.61009, saving model to tmp/Weights-
236--0.61009.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5987 - accuracy:
0.5833 - val_loss: 0.6101 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 237/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5395 - accuracy: 0.6875
Epoch 237: val_loss did not improve from 0.61009
11/11 [=====] - 0s 7ms/step - loss: 0.5940 - accuracy: 0.
5661 - val_loss: 0.6140 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 238/1000
11/11 [=====] - ETA: 0s - loss: 0.5902 - accuracy: 0.5862
Epoch 238: val_loss did not improve from 0.61009
11/11 [=====] - 0s 9ms/step - loss: 0.5902 - accuracy: 0.
5862 - val_loss: 0.6135 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 239/1000
11/11 [=====] - ETA: 0s - loss: 0.5929 - accuracy: 0.5661
Epoch 239: val_loss did not improve from 0.61009
11/11 [=====] - 0s 10ms/step - loss: 0.5929 - accuracy:
0.5661 - val_loss: 0.6145 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 240/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6224 - accuracy: 0.6250
Epoch 240: val_loss did not improve from 0.61009
11/11 [=====] - 0s 9ms/step - loss: 0.5931 - accuracy: 0.
5776 - val_loss: 0.6145 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 241/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6103 - accuracy: 0.5938
Epoch 241: val_loss did not improve from 0.61009
11/11 [=====] - 0s 8ms/step - loss: 0.5918 - accuracy: 0.
5603 - val_loss: 0.6107 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 242/1000
11/11 [=====] - ETA: 0s - loss: 0.5896 - accuracy: 0.5948
Epoch 242: val_loss improved from 0.61009 to 0.60992, saving model to tmp/Weights-
242--0.60992.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5896 - accuracy:
0.5948 - val_loss: 0.6099 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 243/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5778 - accuracy: 0.5000
Epoch 243: val_loss did not improve from 0.60992
11/11 [=====] - 0s 8ms/step - loss: 0.5906 - accuracy: 0.
5690 - val_loss: 0.6173 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 244/1000
11/11 [=====] - ETA: 0s - loss: 0.5901 - accuracy: 0.5891
Epoch 244: val_loss improved from 0.60992 to 0.60765, saving model to tmp/Weights-
244--0.60765.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.5901 - accuracy:
0.5891 - val_loss: 0.6076 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 245/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6193 - accuracy: 0.5312
Epoch 245: val_loss did not improve from 0.60765
11/11 [=====] - 0s 9ms/step - loss: 0.5884 - accuracy: 0.
6034 - val_loss: 0.6169 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 246/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5495 - accuracy: 0.6562
Epoch 246: val_loss did not improve from 0.60765
11/11 [=====] - 0s 7ms/step - loss: 0.5897 - accuracy: 0.
5747 - val_loss: 0.6139 - val_accuracy: 0.5867 - lr: 0.0090
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Epoch 247/1000
11/11 [=====] - ETA: 0s - loss: 0.5890 - accuracy: 0.5575
Epoch 247: val_loss did not improve from 0.60765
11/11 [=====] - 0s 10ms/step - loss: 0.5890 - accuracy: 0.5575 - val_loss: 0.6172 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 248/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5965 - accuracy: 0.5938
Epoch 248: val_loss did not improve from 0.60765
11/11 [=====] - 0s 9ms/step - loss: 0.5912 - accuracy: 0.5661 - val_loss: 0.6078 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 249/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5930 - accuracy: 0.6562
Epoch 249: val_loss did not improve from 0.60765
11/11 [=====] - 0s 8ms/step - loss: 0.5982 - accuracy: 0.5920 - val_loss: 0.6084 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 250/1000
11/11 [=====] - ETA: 0s - loss: 0.5973 - accuracy: 0.5431
Epoch 250: val_loss did not improve from 0.60765
11/11 [=====] - 0s 9ms/step - loss: 0.5973 - accuracy: 0.5431 - val_loss: 0.6181 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 251/1000
11/11 [=====] - ETA: 0s - loss: 0.5909 - accuracy: 0.5891
Epoch 251: val_loss did not improve from 0.60765
11/11 [=====] - 0s 10ms/step - loss: 0.5909 - accuracy: 0.5891 - val_loss: 0.6106 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 252/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5750 - accuracy: 0.6250
Epoch 252: val_loss did not improve from 0.60765
11/11 [=====] - 0s 9ms/step - loss: 0.5958 - accuracy: 0.5747 - val_loss: 0.6086 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 253/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5662 - accuracy: 0.6250
Epoch 253: val_loss improved from 0.60765 to 0.60742, saving model to tmp/Weights-253--0.60742.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5956 - accuracy: 0.5632 - val_loss: 0.6074 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 254/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6030 - accuracy: 0.5312
Epoch 254: val_loss did not improve from 0.60742
11/11 [=====] - 0s 9ms/step - loss: 0.5882 - accuracy: 0.5690 - val_loss: 0.6083 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 255/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5236 - accuracy: 0.5938
Epoch 255: val_loss did not improve from 0.60742
11/11 [=====] - 0s 8ms/step - loss: 0.5902 - accuracy: 0.5920 - val_loss: 0.6166 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 256/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5555 - accuracy: 0.6562
Epoch 256: val_loss improved from 0.60742 to 0.60310, saving model to tmp/Weights-256--0.60310.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5896 - accuracy: 0.5489 - val_loss: 0.6031 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 257/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5548 - accuracy: 0.5312
Epoch 257: val_loss did not improve from 0.60310
11/11 [=====] - 0s 9ms/step - loss: 0.5955 - accuracy: 0.5575 - val_loss: 0.6239 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 258/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6219 - accuracy: 0.5312
Epoch 258: val_loss did not improve from 0.60310
11/11 [=====] - 0s 7ms/step - loss: 0.5884 - accuracy: 0.6063 - val_loss: 0.6097 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 259/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5808 - accuracy: 0.6250
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Epoch 259: val_loss did not improve from 0.60310
11/11 [=====] - 0s 9ms/step - loss: 0.5952 - accuracy: 0.
5948 - val_loss: 0.6196 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 260/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4813 - accuracy: 0.7500
Epoch 260: val_loss improved from 0.60310 to 0.60219, saving model to tmp/Weights-260--0.60219.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5915 - accuracy: 0.
5833 - val_loss: 0.6022 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 261/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6134 - accuracy: 0.5625
Epoch 261: val_loss did not improve from 0.60219
11/11 [=====] - 0s 8ms/step - loss: 0.6086 - accuracy: 0.
5661 - val_loss: 0.6308 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 262/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6578 - accuracy: 0.4688
Epoch 262: val_loss did not improve from 0.60219
11/11 [=====] - 0s 9ms/step - loss: 0.6020 - accuracy: 0.
5718 - val_loss: 0.6040 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 263/1000
9/11 [======>.....] - ETA: 0s - loss: 0.5839 - accuracy: 0.6250
Epoch 263: val_loss did not improve from 0.60219
11/11 [=====] - 0s 11ms/step - loss: 0.5961 - accuracy: 0.
6006 - val_loss: 0.6087 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 264/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6639 - accuracy: 0.5625
Epoch 264: val_loss improved from 0.60219 to 0.60126, saving model to tmp/Weights-264--0.60126.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5904 - accuracy: 0.
5747 - val_loss: 0.6013 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 265/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6399 - accuracy: 0.5625
Epoch 265: val_loss did not improve from 0.60126
11/11 [=====] - 0s 8ms/step - loss: 0.5894 - accuracy: 0.
5747 - val_loss: 0.6093 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 266/1000
11/11 [=====] - ETA: 0s - loss: 0.5893 - accuracy: 0.6092
Epoch 266: val_loss did not improve from 0.60126
11/11 [=====] - 0s 12ms/step - loss: 0.5893 - accuracy: 0.
6092 - val_loss: 0.6070 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 267/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4460 - accuracy: 0.7188
Epoch 267: val_loss did not improve from 0.60126
11/11 [=====] - 0s 8ms/step - loss: 0.5866 - accuracy: 0.
5805 - val_loss: 0.6018 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 268/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6134 - accuracy: 0.6250
Epoch 268: val_loss did not improve from 0.60126
11/11 [=====] - 0s 8ms/step - loss: 0.5902 - accuracy: 0.
5661 - val_loss: 0.6035 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 269/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5740 - accuracy: 0.7188
Epoch 269: val_loss did not improve from 0.60126
11/11 [=====] - 0s 8ms/step - loss: 0.5896 - accuracy: 0.
5948 - val_loss: 0.6127 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 270/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4995 - accuracy: 0.7812
Epoch 270: val_loss did not improve from 0.60126
11/11 [=====] - 0s 7ms/step - loss: 0.5885 - accuracy: 0.
5747 - val_loss: 0.6029 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 271/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6361 - accuracy: 0.5938
Epoch 271: val_loss did not improve from 0.60126
11/11 [=====] - 0s 8ms/step - loss: 0.5828 - accuracy: 0.
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5632 - val_loss: 0.6033 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 272/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6191 - accuracy: 0.5625
Epoch 272: val_loss improved from 0.60126 to 0.59907, saving model to tmp/Weights-272--0.59907.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5880 - accuracy: 0.5489
  0 - val_loss: 0.5991 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 273/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5887 - accuracy: 0.6062
Epoch 273: val_loss did not improve from 0.59907
11/11 [=====] - 0s 9ms/step - loss: 0.5870 - accuracy: 0.6034
  0 - val_loss: 0.6132 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 274/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6697 - accuracy: 0.5312
Epoch 274: val_loss did not improve from 0.59907
11/11 [=====] - 0s 8ms/step - loss: 0.5885 - accuracy: 0.6149
  0 - val_loss: 0.6010 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 275/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5276 - accuracy: 0.5938
Epoch 275: val_loss did not improve from 0.59907
11/11 [=====] - 0s 8ms/step - loss: 0.5867 - accuracy: 0.5632
  0 - val_loss: 0.6067 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 276/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6111 - accuracy: 0.4062
Epoch 276: val_loss did not improve from 0.59907
11/11 [=====] - 0s 9ms/step - loss: 0.5941 - accuracy: 0.5287
  0 - val_loss: 0.6038 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 277/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5625 - accuracy: 0.5938
Epoch 277: val_loss did not improve from 0.59907
11/11 [=====] - 0s 9ms/step - loss: 0.5930 - accuracy: 0.6092
  0 - val_loss: 0.6249 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 278/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6214 - accuracy: 0.5000
Epoch 278: val_loss did not improve from 0.59907
11/11 [=====] - 0s 8ms/step - loss: 0.5856 - accuracy: 0.6092
  0 - val_loss: 0.6028 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 279/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6495 - accuracy: 0.5625
Epoch 279: val_loss did not improve from 0.59907
11/11 [=====] - 0s 8ms/step - loss: 0.5828 - accuracy: 0.5776
  0 - val_loss: 0.6008 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 280/1000
9/11 [=====>....] - ETA: 0s - loss: 0.5798 - accuracy: 0.6181
Epoch 280: val_loss did not improve from 0.59907
11/11 [=====] - 0s 11ms/step - loss: 0.5829 - accuracy: 0.6092
  0 - val_loss: 0.6018 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 281/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5605 - accuracy: 0.6875
Epoch 281: val_loss did not improve from 0.59907
11/11 [=====] - 0s 8ms/step - loss: 0.5864 - accuracy: 0.5805
  0 - val_loss: 0.6040 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 282/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5593 - accuracy: 0.5625
Epoch 282: val_loss did not improve from 0.59907
11/11 [=====] - 0s 9ms/step - loss: 0.5852 - accuracy: 0.5690
  0 - val_loss: 0.6006 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 283/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5583 - accuracy: 0.5000
Epoch 283: val_loss did not improve from 0.59907
11/11 [=====] - 0s 9ms/step - loss: 0.5851 - accuracy: 0.5632
  0 - val_loss: 0.6072 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 284/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5126 - accuracy: 0.5625
```

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Epoch 284: val_loss did not improve from 0.59907
11/11 [=====] - 0s 9ms/step - loss: 0.5873 - accuracy: 0.
5948 - val_loss: 0.5996 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 285/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5776 - accuracy: 0.6875
Epoch 285: val_loss did not improve from 0.59907
11/11 [=====] - 0s 9ms/step - loss: 0.5847 - accuracy: 0.
6006 - val_loss: 0.6013 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 286/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5659 - accuracy: 0.7188
Epoch 286: val_loss did not improve from 0.59907
11/11 [=====] - 0s 9ms/step - loss: 0.5853 - accuracy: 0.
6092 - val_loss: 0.6089 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 287/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5967 - accuracy: 0.5625
Epoch 287: val_loss improved from 0.59907 to 0.59752, saving model to tmp/Weights-287--0.59752.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5860 - accuracy: 0.
5977 - val_loss: 0.5975 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 288/1000
11/11 [=====] - ETA: 0s - loss: 0.5874 - accuracy: 0.5690
Epoch 288: val_loss did not improve from 0.59752
11/11 [=====] - 0s 10ms/step - loss: 0.5874 - accuracy: 0.
5690 - val_loss: 0.6036 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 289/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6325 - accuracy: 0.6562
Epoch 289: val_loss did not improve from 0.59752
11/11 [=====] - 0s 8ms/step - loss: 0.5999 - accuracy: 0.
5776 - val_loss: 0.6078 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 290/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6474 - accuracy: 0.5000
Epoch 290: val_loss did not improve from 0.59752
11/11 [=====] - 0s 8ms/step - loss: 0.5947 - accuracy: 0.
5603 - val_loss: 0.6133 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 291/1000
11/11 [=====] - ETA: 0s - loss: 0.5839 - accuracy: 0.5948
Epoch 291: val_loss did not improve from 0.59752
11/11 [=====] - 0s 10ms/step - loss: 0.5839 - accuracy: 0.
5948 - val_loss: 0.6008 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 292/1000
11/11 [=====] - ETA: 0s - loss: 0.5835 - accuracy: 0.6034
Epoch 292: val_loss did not improve from 0.59752
11/11 [=====] - 0s 11ms/step - loss: 0.5835 - accuracy: 0.
6034 - val_loss: 0.6018 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 293/1000
11/11 [=====] - ETA: 0s - loss: 0.5801 - accuracy: 0.6178
Epoch 293: val_loss did not improve from 0.59752
11/11 [=====] - 0s 11ms/step - loss: 0.5801 - accuracy: 0.
6178 - val_loss: 0.6015 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 294/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5660 - accuracy: 0.6875
Epoch 294: val_loss did not improve from 0.59752
11/11 [=====] - 0s 9ms/step - loss: 0.5839 - accuracy: 0.
5718 - val_loss: 0.6086 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 295/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5628 - accuracy: 0.5625
Epoch 295: val_loss did not improve from 0.59752
11/11 [=====] - 0s 10ms/step - loss: 0.5948 - accuracy: 0.
5747 - val_loss: 0.6150 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 296/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5670 - accuracy: 0.7500
Epoch 296: val_loss did not improve from 0.59752
11/11 [=====] - 0s 8ms/step - loss: 0.5861 - accuracy: 0.
5718 - val_loss: 0.6001 - val_accuracy: 0.6000 - lr: 0.0090
```

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Epoch 297/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5721 - accuracy: 0.6250
Epoch 297: val_loss did not improve from 0.59752
11/11 [=====] - 0s 8ms/step - loss: 0.5861 - accuracy: 0.
5862 - val_loss: 0.5986 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 298/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5200 - accuracy: 0.6250
Epoch 298: val_loss did not improve from 0.59752
11/11 [=====] - 0s 8ms/step - loss: 0.5847 - accuracy: 0.
5833 - val_loss: 0.6009 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 299/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5679 - accuracy: 0.6562
Epoch 299: val_loss did not improve from 0.59752
11/11 [=====] - 0s 8ms/step - loss: 0.5824 - accuracy: 0.
5977 - val_loss: 0.6020 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 300/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5753 - accuracy: 0.6562
Epoch 300: val_loss did not improve from 0.59752
11/11 [=====] - 0s 8ms/step - loss: 0.5815 - accuracy: 0.
6236 - val_loss: 0.6004 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 301/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5559 - accuracy: 0.5625
Epoch 301: val_loss did not improve from 0.59752
11/11 [=====] - 0s 8ms/step - loss: 0.5829 - accuracy: 0.
5805 - val_loss: 0.5999 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 302/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5893 - accuracy: 0.5312
Epoch 302: val_loss did not improve from 0.59752
11/11 [=====] - 0s 8ms/step - loss: 0.5802 - accuracy: 0.
5747 - val_loss: 0.5986 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 303/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5817 - accuracy: 0.6219
Epoch 303: val_loss did not improve from 0.59752
11/11 [=====] - 0s 10ms/step - loss: 0.5839 - accuracy: 0.
6121 - val_loss: 0.6038 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 304/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5812 - accuracy: 0.5938
Epoch 304: val_loss improved from 0.59752 to 0.59523, saving model to tmp/Weights-
304--0.59523.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5827 - accuracy: 0.
5747 - val_loss: 0.5952 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 305/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5837 - accuracy: 0.5625
Epoch 305: val_loss did not improve from 0.59523
11/11 [=====] - 0s 8ms/step - loss: 0.5851 - accuracy: 0.
5661 - val_loss: 0.5991 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 306/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6513 - accuracy: 0.5000
Epoch 306: val_loss did not improve from 0.59523
11/11 [=====] - 0s 8ms/step - loss: 0.5829 - accuracy: 0.
6092 - val_loss: 0.5960 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 307/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5818 - accuracy: 0.5625
Epoch 307: val_loss did not improve from 0.59523
11/11 [=====] - 0s 8ms/step - loss: 0.5793 - accuracy: 0.
5862 - val_loss: 0.5978 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 308/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6210 - accuracy: 0.6562
Epoch 308: val_loss did not improve from 0.59523
11/11 [=====] - 0s 8ms/step - loss: 0.5865 - accuracy: 0.
6121 - val_loss: 0.6102 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 309/1000
11/11 [=====] - ETA: 0s - loss: 0.5852 - accuracy: 0.5948
Epoch 309: val_loss improved from 0.59523 to 0.59263, saving model to tmp/Weights-
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309--0.59263.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5852 - accuracy: 0.5948 - val_loss: 0.5926 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 310/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5090 - accuracy: 0.6875
Epoch 310: val_loss did not improve from 0.59263
11/11 [=====] - 0s 8ms/step - loss: 0.5813 - accuracy: 0.5862 - val_loss: 0.6024 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 311/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6030 - accuracy: 0.6875
Epoch 311: val_loss did not improve from 0.59263
11/11 [=====] - 0s 8ms/step - loss: 0.5774 - accuracy: 0.5920 - val_loss: 0.5968 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 312/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5157 - accuracy: 0.7812
Epoch 312: val_loss did not improve from 0.59263
11/11 [=====] - 0s 7ms/step - loss: 0.5779 - accuracy: 0.6092 - val_loss: 0.5975 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 313/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5331 - accuracy: 0.5625
Epoch 313: val_loss did not improve from 0.59263
11/11 [=====] - 0s 9ms/step - loss: 0.5776 - accuracy: 0.6006 - val_loss: 0.5978 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 314/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5443 - accuracy: 0.5938
Epoch 314: val_loss did not improve from 0.59263
11/11 [=====] - 0s 9ms/step - loss: 0.5793 - accuracy: 0.5833 - val_loss: 0.5976 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 315/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6117 - accuracy: 0.5625
Epoch 315: val_loss improved from 0.59263 to 0.59206, saving model to tmp/Weights-315--0.59206.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5805 - accuracy: 0.5833 - val_loss: 0.5921 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 316/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5416 - accuracy: 0.5938
Epoch 316: val_loss did not improve from 0.59206
11/11 [=====] - 0s 8ms/step - loss: 0.5821 - accuracy: 0.5718 - val_loss: 0.6039 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 317/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5459 - accuracy: 0.7188
Epoch 317: val_loss did not improve from 0.59206
11/11 [=====] - 0s 8ms/step - loss: 0.5811 - accuracy: 0.5776 - val_loss: 0.5932 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 318/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6111 - accuracy: 0.4688
Epoch 318: val_loss did not improve from 0.59206
11/11 [=====] - 0s 7ms/step - loss: 0.5854 - accuracy: 0.5747 - val_loss: 0.6026 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 319/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5066 - accuracy: 0.5625
Epoch 319: val_loss did not improve from 0.59206
11/11 [=====] - 0s 9ms/step - loss: 0.5795 - accuracy: 0.5891 - val_loss: 0.5936 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 320/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5769 - accuracy: 0.5312
Epoch 320: val_loss did not improve from 0.59206
11/11 [=====] - 0s 9ms/step - loss: 0.5823 - accuracy: 0.6034 - val_loss: 0.5950 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 321/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5727 - accuracy: 0.7188
Epoch 321: val_loss did not improve from 0.59206
11/11 [=====] - 0s 9ms/step - loss: 0.5840 - accuracy: 0.6063 - val_loss: 0.6038 - val_accuracy: 0.5933 - lr: 0.0090

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Epoch 322/1000
11/11 [=====] - ETA: 0s - loss: 0.5841 - accuracy: 0.5776
Epoch 322: val_loss improved from 0.59206 to 0.59092, saving model to tmp/Weights-322--0.59092.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.5841 - accuracy: 0.5776 - val_loss: 0.5909 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 323/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5242 - accuracy: 0.6250
Epoch 323: val_loss did not improve from 0.59092
11/11 [=====] - 0s 9ms/step - loss: 0.5834 - accuracy: 0.5862 - val_loss: 0.5976 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 324/1000
11/11 [=====] - ETA: 0s - loss: 0.5819 - accuracy: 0.5920
Epoch 324: val_loss did not improve from 0.59092
11/11 [=====] - 0s 11ms/step - loss: 0.5819 - accuracy: 0.5920 - val_loss: 0.5956 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 325/1000
11/11 [=====] - ETA: 0s - loss: 0.5786 - accuracy: 0.5920
Epoch 325: val_loss did not improve from 0.59092
11/11 [=====] - 0s 10ms/step - loss: 0.5786 - accuracy: 0.5920 - val_loss: 0.5983 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 326/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5636 - accuracy: 0.6250
Epoch 326: val_loss did not improve from 0.59092
11/11 [=====] - 0s 9ms/step - loss: 0.5790 - accuracy: 0.5718 - val_loss: 0.5951 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 327/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6387 - accuracy: 0.5312
Epoch 327: val_loss did not improve from 0.59092
11/11 [=====] - 0s 8ms/step - loss: 0.5784 - accuracy: 0.5747 - val_loss: 0.5953 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 328/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5035 - accuracy: 0.7812
Epoch 328: val_loss did not improve from 0.59092
11/11 [=====] - 0s 9ms/step - loss: 0.5841 - accuracy: 0.5977 - val_loss: 0.6031 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 329/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6038 - accuracy: 0.5312
Epoch 329: val_loss did not improve from 0.59092
11/11 [=====] - 0s 9ms/step - loss: 0.5857 - accuracy: 0.5948 - val_loss: 0.6021 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 330/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4241 - accuracy: 0.7500
Epoch 330: val_loss did not improve from 0.59092
11/11 [=====] - 0s 8ms/step - loss: 0.5783 - accuracy: 0.6006 - val_loss: 0.5986 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 331/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6041 - accuracy: 0.6562
Epoch 331: val_loss did not improve from 0.59092
11/11 [=====] - 0s 10ms/step - loss: 0.5772 - accuracy: 0.6006 - val_loss: 0.5951 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 332/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5835 - accuracy: 0.5656
Epoch 332: val_loss did not improve from 0.59092
11/11 [=====] - 0s 10ms/step - loss: 0.5833 - accuracy: 0.5632 - val_loss: 0.6042 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 333/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5945 - accuracy: 0.5625
Epoch 333: val_loss did not improve from 0.59092
11/11 [=====] - 0s 9ms/step - loss: 0.5843 - accuracy: 0.5718 - val_loss: 0.5918 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 334/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5697 - accuracy: 0.6562
Epoch 334: val_loss did not improve from 0.59092
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11/11 [=====] - 0s 8ms/step - loss: 0.5845 - accuracy: 0.5977 - val_loss: 0.6015 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 335/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5848 - accuracy: 0.5000
Epoch 335: val_loss improved from 0.59092 to 0.58932, saving model to tmp/Weights-335--0.58932.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5816 - accuracy: 0.5460 - val_loss: 0.5893 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 336/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5059 - accuracy: 0.6562
Epoch 336: val_loss did not improve from 0.58932
11/11 [=====] - 0s 8ms/step - loss: 0.5768 - accuracy: 0.6092 - val_loss: 0.5946 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 337/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6226 - accuracy: 0.5000
Epoch 337: val_loss did not improve from 0.58932
11/11 [=====] - 0s 8ms/step - loss: 0.5862 - accuracy: 0.5718 - val_loss: 0.6060 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 338/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6244 - accuracy: 0.5938
Epoch 338: val_loss did not improve from 0.58932
11/11 [=====] - 0s 7ms/step - loss: 0.5861 - accuracy: 0.5833 - val_loss: 0.5908 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 339/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5534 - accuracy: 0.7500
Epoch 339: val_loss did not improve from 0.58932
11/11 [=====] - 0s 8ms/step - loss: 0.5875 - accuracy: 0.5862 - val_loss: 0.5932 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 340/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5963 - accuracy: 0.4688
Epoch 340: val_loss did not improve from 0.58932
11/11 [=====] - 0s 8ms/step - loss: 0.5802 - accuracy: 0.5920 - val_loss: 0.6023 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 341/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5855 - accuracy: 0.5625
Epoch 341: val_loss did not improve from 0.58932
11/11 [=====] - 0s 9ms/step - loss: 0.5756 - accuracy: 0.6149 - val_loss: 0.5908 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 342/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5245 - accuracy: 0.7812
Epoch 342: val_loss did not improve from 0.58932
11/11 [=====] - 0s 10ms/step - loss: 0.5749 - accuracy: 0.5833 - val_loss: 0.5925 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 343/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5808 - accuracy: 0.6250
Epoch 343: val_loss did not improve from 0.58932
11/11 [=====] - 0s 9ms/step - loss: 0.5797 - accuracy: 0.5776 - val_loss: 0.5922 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 344/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5283 - accuracy: 0.6562
Epoch 344: val_loss did not improve from 0.58932
11/11 [=====] - 0s 8ms/step - loss: 0.5810 - accuracy: 0.5776 - val_loss: 0.5922 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 345/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5832 - accuracy: 0.5938
Epoch 345: val_loss did not improve from 0.58932
11/11 [=====] - 0s 8ms/step - loss: 0.5759 - accuracy: 0.5805 - val_loss: 0.5930 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 346/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6267 - accuracy: 0.5000
Epoch 346: val_loss did not improve from 0.58932
11/11 [=====] - 0s 9ms/step - loss: 0.5759 - accuracy: 0.5948 - val_loss: 0.5925 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 347/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6390 - accuracy: 0.4375
Epoch 347: val_loss did not improve from 0.58932
11/11 [=====] - 0s 9ms/step - loss: 0.5784 - accuracy: 0.
5862 - val_loss: 0.5935 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 348/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5865 - accuracy: 0.5625
Epoch 348: val_loss did not improve from 0.58932
11/11 [=====] - 0s 8ms/step - loss: 0.5796 - accuracy: 0.
5776 - val_loss: 0.5934 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 349/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5725 - accuracy: 0.5750
Epoch 349: val_loss did not improve from 0.58932
11/11 [=====] - 0s 11ms/step - loss: 0.5749 - accuracy: 0.
5690 - val_loss: 0.5949 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 350/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5266 - accuracy: 0.5938
Epoch 350: val_loss did not improve from 0.58932
11/11 [=====] - 0s 9ms/step - loss: 0.5741 - accuracy: 0.
5776 - val_loss: 0.5957 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 351/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6177 - accuracy: 0.5938
Epoch 351: val_loss did not improve from 0.58932
11/11 [=====] - 0s 8ms/step - loss: 0.5778 - accuracy: 0.
5776 - val_loss: 0.5938 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 352/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5811 - accuracy: 0.5875
Epoch 352: val_loss did not improve from 0.58932
11/11 [=====] - 0s 10ms/step - loss: 0.5786 - accuracy: 0.
5891 - val_loss: 0.5956 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 353/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5314 - accuracy: 0.5938
Epoch 353: val_loss did not improve from 0.58932
11/11 [=====] - 0s 8ms/step - loss: 0.5760 - accuracy: 0.
6006 - val_loss: 0.5953 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 354/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5645 - accuracy: 0.5625
Epoch 354: val_loss did not improve from 0.58932
11/11 [=====] - 0s 9ms/step - loss: 0.5783 - accuracy: 0.
5718 - val_loss: 0.5957 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 355/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5964 - accuracy: 0.5625
Epoch 355: val_loss did not improve from 0.58932
11/11 [=====] - 0s 9ms/step - loss: 0.5762 - accuracy: 0.
5805 - val_loss: 0.5968 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 356/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5240 - accuracy: 0.6250
Epoch 356: val_loss did not improve from 0.58932
11/11 [=====] - 0s 9ms/step - loss: 0.5805 - accuracy: 0.
6006 - val_loss: 0.6012 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 357/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6166 - accuracy: 0.5625
Epoch 357: val_loss did not improve from 0.58932
11/11 [=====] - 0s 10ms/step - loss: 0.5793 - accuracy: 0.
5948 - val_loss: 0.6035 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 358/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5707 - accuracy: 0.5719
Epoch 358: val_loss did not improve from 0.58932
11/11 [=====] - 0s 10ms/step - loss: 0.5707 - accuracy: 0.
5776 - val_loss: 0.5957 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 359/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4929 - accuracy: 0.6562
Epoch 359: val_loss did not improve from 0.58932
11/11 [=====] - 0s 8ms/step - loss: 0.5718 - accuracy: 0.
5862 - val_loss: 0.5965 - val_accuracy: 0.6200 - lr: 0.0090
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Epoch 360/1000
9/11 [=====>.....] - ETA: 0s - loss: 0.5677 - accuracy: 0.6076
Epoch 360: val_loss did not improve from 0.58932
11/11 [=====] - 0s 11ms/step - loss: 0.5697 - accuracy: 0.6006 - val_loss: 0.5991 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 361/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6140 - accuracy: 0.5938
Epoch 361: val_loss did not improve from 0.58932
11/11 [=====] - 0s 8ms/step - loss: 0.5687 - accuracy: 0.6006 - val_loss: 0.5960 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 362/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6253 - accuracy: 0.5625
Epoch 362: val_loss did not improve from 0.58932
11/11 [=====] - 0s 9ms/step - loss: 0.5679 - accuracy: 0.5920 - val_loss: 0.5993 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 363/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5836 - accuracy: 0.6250
Epoch 363: val_loss did not improve from 0.58932
11/11 [=====] - 0s 9ms/step - loss: 0.5698 - accuracy: 0.6092 - val_loss: 0.5996 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 364/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6146 - accuracy: 0.5938
Epoch 364: val_loss did not improve from 0.58932
11/11 [=====] - 0s 8ms/step - loss: 0.5668 - accuracy: 0.6092 - val_loss: 0.6016 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 365/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5384 - accuracy: 0.7500
Epoch 365: val_loss did not improve from 0.58932
11/11 [=====] - 0s 10ms/step - loss: 0.5701 - accuracy: 0.5546 - val_loss: 0.5951 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 366/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5865 - accuracy: 0.5312
Epoch 366: val_loss did not improve from 0.58932
11/11 [=====] - 0s 10ms/step - loss: 0.5739 - accuracy: 0.5920 - val_loss: 0.6068 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 367/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5665 - accuracy: 0.5625
Epoch 367: val_loss did not improve from 0.58932
11/11 [=====] - 0s 7ms/step - loss: 0.5771 - accuracy: 0.6149 - val_loss: 0.5956 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 368/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5573 - accuracy: 0.5625
Epoch 368: val_loss did not improve from 0.58932
11/11 [=====] - 0s 9ms/step - loss: 0.5742 - accuracy: 0.5948 - val_loss: 0.5943 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 369/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5847 - accuracy: 0.5938
Epoch 369: val_loss did not improve from 0.58932
11/11 [=====] - 0s 9ms/step - loss: 0.5715 - accuracy: 0.5603 - val_loss: 0.6013 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 370/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5274 - accuracy: 0.6562
Epoch 370: val_loss did not improve from 0.58932
11/11 [=====] - 0s 9ms/step - loss: 0.5746 - accuracy: 0.5977 - val_loss: 0.5947 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 371/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5528 - accuracy: 0.6250
Epoch 371: val_loss did not improve from 0.58932
11/11 [=====] - 0s 8ms/step - loss: 0.5713 - accuracy: 0.5862 - val_loss: 0.5952 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 372/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5183 - accuracy: 0.6250
Epoch 372: val_loss did not improve from 0.58932
11/11 [=====] - 0s 9ms/step - loss: 0.5663 - accuracy: 0.
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5920 - val_loss: 0.6047 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 373/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5654 - accuracy: 0.6562
Epoch 373: val_loss did not improve from 0.58932
11/11 [=====] - 0s 9ms/step - loss: 0.5719 - accuracy: 0.
5833 - val_loss: 0.5980 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 374/1000
11/11 [=====] - ETA: 0s - loss: 0.5677 - accuracy: 0.5603
Epoch 374: val_loss did not improve from 0.58932
11/11 [=====] - 0s 10ms/step - loss: 0.5677 - accuracy:
0.5603 - val_loss: 0.5968 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 375/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5713 - accuracy: 0.5312
Epoch 375: val_loss did not improve from 0.58932
11/11 [=====] - 0s 9ms/step - loss: 0.5659 - accuracy: 0.
6149 - val_loss: 0.6004 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 376/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5915 - accuracy: 0.6250
Epoch 376: val_loss did not improve from 0.58932
11/11 [=====] - 0s 8ms/step - loss: 0.5746 - accuracy: 0.
5862 - val_loss: 0.5964 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 377/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5340 - accuracy: 0.6875
Epoch 377: val_loss did not improve from 0.58932
11/11 [=====] - 0s 9ms/step - loss: 0.5704 - accuracy: 0.
5776 - val_loss: 0.6042 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 378/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5682 - accuracy: 0.5938
Epoch 378: val_loss did not improve from 0.58932
11/11 [=====] - 0s 9ms/step - loss: 0.5749 - accuracy: 0.
6034 - val_loss: 0.5948 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 379/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6032 - accuracy: 0.5312
Epoch 379: val_loss did not improve from 0.58932
11/11 [=====] - 0s 8ms/step - loss: 0.5723 - accuracy: 0.
6063 - val_loss: 0.5931 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 380/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5441 - accuracy: 0.6875
Epoch 380: val_loss did not improve from 0.58932
11/11 [=====] - 0s 8ms/step - loss: 0.5692 - accuracy: 0.
6236 - val_loss: 0.5940 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 381/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5703 - accuracy: 0.5969
Epoch 381: val_loss did not improve from 0.58932
11/11 [=====] - 0s 11ms/step - loss: 0.5697 - accuracy:
0.5977 - val_loss: 0.5930 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 382/1000
11/11 [=====] - ETA: 0s - loss: 0.5738 - accuracy: 0.5776
Epoch 382: val_loss did not improve from 0.58932
11/11 [=====] - 0s 11ms/step - loss: 0.5738 - accuracy:
0.5776 - val_loss: 0.6039 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 383/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6382 - accuracy: 0.5000
Epoch 383: val_loss did not improve from 0.58932
11/11 [=====] - 0s 9ms/step - loss: 0.5731 - accuracy: 0.
6178 - val_loss: 0.5946 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 384/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5689 - accuracy: 0.5625
Epoch 384: val_loss did not improve from 0.58932
11/11 [=====] - 0s 8ms/step - loss: 0.5689 - accuracy: 0.
6149 - val_loss: 0.5921 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 385/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5637 - accuracy: 0.7188
Epoch 385: val_loss did not improve from 0.58932
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Epoch 385: ReduceLROnPlateau reducing learning rate to 0.006299999728798866.
11/11 [=====] - 0s 9ms/step - loss: 0.5665 - accuracy: 0.
6178 - val_loss: 0.5936 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 386/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5699 - accuracy: 0.6250
Epoch 386: val_loss did not improve from 0.58932
11/11 [=====] - 0s 10ms/step - loss: 0.5640 - accuracy: 0.6178 - val_loss: 0.5940 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 387/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5028 - accuracy: 0.6875
Epoch 387: val_loss did not improve from 0.58932
11/11 [=====] - 0s 9ms/step - loss: 0.5657 - accuracy: 0.5805 - val_loss: 0.5908 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 388/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6203 - accuracy: 0.5625
Epoch 388: val_loss did not improve from 0.58932
11/11 [=====] - 0s 8ms/step - loss: 0.5671 - accuracy: 0.5948 - val_loss: 0.5943 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 389/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6166 - accuracy: 0.5312
Epoch 389: val_loss did not improve from 0.58932
11/11 [=====] - 0s 8ms/step - loss: 0.5665 - accuracy: 0.5776 - val_loss: 0.5953 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 390/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4444 - accuracy: 0.7188
Epoch 390: val_loss did not improve from 0.58932
11/11 [=====] - 0s 10ms/step - loss: 0.5664 - accuracy: 0.6092 - val_loss: 0.5919 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 391/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5518 - accuracy: 0.7188
Epoch 391: val_loss did not improve from 0.58932
11/11 [=====] - 0s 10ms/step - loss: 0.5736 - accuracy: 0.6178 - val_loss: 0.6159 - val_accuracy: 0.5667 - lr: 0.0063
Epoch 392/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6126 - accuracy: 0.5000
Epoch 392: val_loss improved from 0.58932 to 0.58850, saving model to tmp/Weights-392--0.58850.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5720 - accuracy: 0.6121 - val_loss: 0.5885 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 393/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5610 - accuracy: 0.6250
Epoch 393: val_loss did not improve from 0.58850
11/11 [=====] - 0s 10ms/step - loss: 0.5750 - accuracy: 0.5603 - val_loss: 0.5984 - val_accuracy: 0.5667 - lr: 0.0063
Epoch 394/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5705 - accuracy: 0.5875
Epoch 394: val_loss did not improve from 0.58850
11/11 [=====] - 0s 11ms/step - loss: 0.5712 - accuracy: 0.5891 - val_loss: 0.5927 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 395/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5153 - accuracy: 0.6562
Epoch 395: val_loss did not improve from 0.58850
11/11 [=====] - 0s 9ms/step - loss: 0.5642 - accuracy: 0.6207 - val_loss: 0.5940 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 396/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4809 - accuracy: 0.7188
Epoch 396: val_loss did not improve from 0.58850
11/11 [=====] - 0s 10ms/step - loss: 0.5639 - accuracy: 0.6322 - val_loss: 0.5898 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 397/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5282 - accuracy: 0.6875
Epoch 397: val_loss did not improve from 0.58850
11/11 [=====] - 0s 9ms/step - loss: 0.5665 - accuracy: 0.
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6236 - val_loss: 0.5924 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 398/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5746 - accuracy: 0.5625
Epoch 398: val_loss did not improve from 0.58850
11/11 [=====] - 0s 8ms/step - loss: 0.5655 - accuracy: 0.
6236 - val_loss: 0.5949 - val_accuracy: 0.5733 - lr: 0.0063
Epoch 399/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6054 - accuracy: 0.6250
Epoch 399: val_loss did not improve from 0.58850
11/11 [=====] - 0s 8ms/step - loss: 0.5638 - accuracy: 0.
6092 - val_loss: 0.5936 - val_accuracy: 0.6000 - lr: 0.0063
Epoch 400/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6215 - accuracy: 0.5312
Epoch 400: val_loss did not improve from 0.58850
11/11 [=====] - 0s 9ms/step - loss: 0.5634 - accuracy: 0.
5833 - val_loss: 0.5926 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 401/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5181 - accuracy: 0.7188
Epoch 401: val_loss did not improve from 0.58850
11/11 [=====] - 0s 10ms/step - loss: 0.5659 - accuracy: 0.
6322 - val_loss: 0.5986 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 402/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4647 - accuracy: 0.6875
Epoch 402: val_loss did not improve from 0.58850
11/11 [=====] - 0s 9ms/step - loss: 0.5628 - accuracy: 0.
6293 - val_loss: 0.5916 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 403/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5848 - accuracy: 0.7188
Epoch 403: val_loss did not improve from 0.58850
11/11 [=====] - 0s 9ms/step - loss: 0.5629 - accuracy: 0.
6034 - val_loss: 0.5923 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 404/1000
11/11 [=====] - ETA: 0s - loss: 0.5646 - accuracy: 0.5833
Epoch 404: val_loss did not improve from 0.58850
11/11 [=====] - 0s 10ms/step - loss: 0.5646 - accuracy: 0.
5833 - val_loss: 0.5887 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 405/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6005 - accuracy: 0.5625
Epoch 405: val_loss did not improve from 0.58850
11/11 [=====] - 0s 9ms/step - loss: 0.5642 - accuracy: 0.
5891 - val_loss: 0.6002 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 406/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5529 - accuracy: 0.5938
Epoch 406: val_loss improved from 0.58850 to 0.58844, saving model to tmp/Weights-406--0.58844.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5684 - accuracy: 0.
6149 - val_loss: 0.5884 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 407/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5678 - accuracy: 0.5000
Epoch 407: val_loss did not improve from 0.58844
11/11 [=====] - 0s 9ms/step - loss: 0.5626 - accuracy: 0.
6149 - val_loss: 0.5989 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 408/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6327 - accuracy: 0.5312
Epoch 408: val_loss did not improve from 0.58844
11/11 [=====] - 0s 8ms/step - loss: 0.5651 - accuracy: 0.
6121 - val_loss: 0.5915 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 409/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6575 - accuracy: 0.5625
Epoch 409: val_loss did not improve from 0.58844
11/11 [=====] - 0s 10ms/step - loss: 0.5627 - accuracy: 0.
6264 - val_loss: 0.5933 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 410/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6085 - accuracy: 0.5625
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Epoch 410: val_loss did not improve from 0.58844
11/11 [=====] - 0s 9ms/step - loss: 0.5627 - accuracy: 0.
6293 - val_loss: 0.5928 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 411/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5842 - accuracy: 0.5312
Epoch 411: val_loss did not improve from 0.58844
11/11 [=====] - 0s 8ms/step - loss: 0.5628 - accuracy: 0.
6236 - val_loss: 0.5960 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 412/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5129 - accuracy: 0.6875
Epoch 412: val_loss improved from 0.58844 to 0.58838, saving model to tmp/Weights-412--0.58838.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5646 - accuracy: 0.
6322 - val_loss: 0.5884 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 413/1000
11/11 [=====] - ETA: 0s - loss: 0.5649 - accuracy: 0.6178
Epoch 413: val_loss did not improve from 0.58838
11/11 [=====] - 0s 10ms/step - loss: 0.5649 - accuracy: 0.
6178 - val_loss: 0.5997 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 414/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5528 - accuracy: 0.5938
Epoch 414: val_loss did not improve from 0.58838
11/11 [=====] - 0s 8ms/step - loss: 0.5660 - accuracy: 0.
6293 - val_loss: 0.5891 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 415/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5795 - accuracy: 0.4688
Epoch 415: val_loss did not improve from 0.58838
11/11 [=====] - 0s 9ms/step - loss: 0.5615 - accuracy: 0.
6121 - val_loss: 0.5907 - val_accuracy: 0.5733 - lr: 0.0063
Epoch 416/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6000 - accuracy: 0.5625
Epoch 416: val_loss did not improve from 0.58838
11/11 [=====] - 0s 9ms/step - loss: 0.5631 - accuracy: 0.
6264 - val_loss: 0.5922 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 417/1000
11/11 [=====] - ETA: 0s - loss: 0.5663 - accuracy: 0.6293
Epoch 417: val_loss did not improve from 0.58838
11/11 [=====] - 0s 10ms/step - loss: 0.5663 - accuracy: 0.
6293 - val_loss: 0.5927 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 418/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5211 - accuracy: 0.7188
Epoch 418: val_loss did not improve from 0.58838
11/11 [=====] - 0s 9ms/step - loss: 0.5608 - accuracy: 0.
6351 - val_loss: 0.5929 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 419/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5252 - accuracy: 0.5625
Epoch 419: val_loss did not improve from 0.58838
11/11 [=====] - 0s 10ms/step - loss: 0.5638 - accuracy: 0.
5575 - val_loss: 0.5929 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 420/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5359 - accuracy: 0.6562
Epoch 420: val_loss did not improve from 0.58838
11/11 [=====] - 0s 9ms/step - loss: 0.5642 - accuracy: 0.
5891 - val_loss: 0.5980 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 421/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5710 - accuracy: 0.6250
Epoch 421: val_loss did not improve from 0.58838
11/11 [=====] - 0s 10ms/step - loss: 0.5657 - accuracy: 0.
6178 - val_loss: 0.5917 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 422/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6255 - accuracy: 0.5312
Epoch 422: val_loss did not improve from 0.58838
11/11 [=====] - 0s 8ms/step - loss: 0.5621 - accuracy: 0.
6379 - val_loss: 0.5927 - val_accuracy: 0.5867 - lr: 0.0063
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Epoch 423/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5194 - accuracy: 0.5938
Epoch 423: val_loss did not improve from 0.58838
11/11 [=====] - 0s 9ms/step - loss: 0.5615 - accuracy: 0.
6236 - val_loss: 0.5912 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 424/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4980 - accuracy: 0.8438
Epoch 424: val_loss did not improve from 0.58838
11/11 [=====] - 0s 9ms/step - loss: 0.5619 - accuracy: 0.
6351 - val_loss: 0.5895 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 425/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4758 - accuracy: 0.6562
Epoch 425: val_loss did not improve from 0.58838
11/11 [=====] - 0s 9ms/step - loss: 0.5625 - accuracy: 0.
6264 - val_loss: 0.5922 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 426/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5969 - accuracy: 0.5625
Epoch 426: val_loss did not improve from 0.58838
11/11 [=====] - 0s 9ms/step - loss: 0.5617 - accuracy: 0.
6293 - val_loss: 0.5895 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 427/1000
11/11 [=====] - ETA: 0s - loss: 0.5614 - accuracy: 0.6351
Epoch 427: val_loss did not improve from 0.58838
11/11 [=====] - 0s 10ms/step - loss: 0.5614 - accuracy:
0.6351 - val_loss: 0.5914 - val_accuracy: 0.6000 - lr: 0.0063
Epoch 428/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5067 - accuracy: 0.5938
Epoch 428: val_loss did not improve from 0.58838
11/11 [=====] - 0s 9ms/step - loss: 0.5609 - accuracy: 0.
6149 - val_loss: 0.5916 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 429/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5176 - accuracy: 0.6875
Epoch 429: val_loss did not improve from 0.58838
11/11 [=====] - 0s 11ms/step - loss: 0.5603 - accuracy:
0.6379 - val_loss: 0.5924 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 430/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5029 - accuracy: 0.6250
Epoch 430: val_loss did not improve from 0.58838
11/11 [=====] - 0s 9ms/step - loss: 0.5597 - accuracy: 0.
6264 - val_loss: 0.5889 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 431/1000
11/11 [=====] - ETA: 0s - loss: 0.5614 - accuracy: 0.6379
Epoch 431: val_loss improved from 0.58838 to 0.58828, saving model to tmp/Weights-
431--0.58828.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.5614 - accuracy:
0.6379 - val_loss: 0.5883 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 432/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6093 - accuracy: 0.5938
Epoch 432: val_loss improved from 0.58828 to 0.58731, saving model to tmp/Weights-
432--0.58731.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5608 - accuracy:
0.6351 - val_loss: 0.5873 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 433/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5941 - accuracy: 0.5938
Epoch 433: val_loss did not improve from 0.58731
11/11 [=====] - 0s 9ms/step - loss: 0.5622 - accuracy: 0.
6207 - val_loss: 0.5968 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 434/1000
11/11 [=====] - ETA: 0s - loss: 0.5643 - accuracy: 0.6351
Epoch 434: val_loss did not improve from 0.58731
11/11 [=====] - 0s 9ms/step - loss: 0.5643 - accuracy: 0.
6351 - val_loss: 0.5912 - val_accuracy: 0.5733 - lr: 0.0063
Epoch 435/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6193 - accuracy: 0.4688
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Epoch 435: val_loss did not improve from 0.58731
11/11 [=====] - 0s 9ms/step - loss: 0.5624 - accuracy: 0.
5977 - val_loss: 0.5906 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 436/1000
11/11 [=====] - ETA: 0s - loss: 0.5600 - accuracy: 0.5891
Epoch 436: val_loss did not improve from 0.58731
11/11 [=====] - 0s 10ms/step - loss: 0.5600 - accuracy:
0.5891 - val_loss: 0.5885 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 437/1000
11/11 [=====] - ETA: 0s - loss: 0.5596 - accuracy: 0.6351
Epoch 437: val_loss did not improve from 0.58731
11/11 [=====] - 0s 11ms/step - loss: 0.5596 - accuracy:
0.6351 - val_loss: 0.5917 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 438/1000
11/11 [=====] - ETA: 0s - loss: 0.5606 - accuracy: 0.6207
Epoch 438: val_loss did not improve from 0.58731
11/11 [=====] - 0s 11ms/step - loss: 0.5606 - accuracy:
0.6207 - val_loss: 0.5998 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 439/1000
11/11 [=====] - ETA: 0s - loss: 0.5653 - accuracy: 0.6322
Epoch 439: val_loss did not improve from 0.58731
11/11 [=====] - 0s 11ms/step - loss: 0.5653 - accuracy:
0.6322 - val_loss: 0.5922 - val_accuracy: 0.5733 - lr: 0.0063
Epoch 440/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5863 - accuracy: 0.5938
Epoch 440: val_loss did not improve from 0.58731
11/11 [=====] - 0s 9ms/step - loss: 0.5604 - accuracy: 0.
6264 - val_loss: 0.5897 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 441/1000
11/11 [=====] - ETA: 0s - loss: 0.5668 - accuracy: 0.6178
Epoch 441: val_loss did not improve from 0.58731
11/11 [=====] - 0s 11ms/step - loss: 0.5668 - accuracy:
0.6178 - val_loss: 0.5939 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 442/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5789 - accuracy: 0.5938
Epoch 442: val_loss did not improve from 0.58731
11/11 [=====] - 0s 9ms/step - loss: 0.5673 - accuracy: 0.
6264 - val_loss: 0.5958 - val_accuracy: 0.5733 - lr: 0.0063
Epoch 443/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4008 - accuracy: 0.8750
Epoch 443: val_loss did not improve from 0.58731
11/11 [=====] - 0s 9ms/step - loss: 0.5620 - accuracy: 0.
6379 - val_loss: 0.5892 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 444/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5641 - accuracy: 0.6250
Epoch 444: val_loss did not improve from 0.58731
11/11 [=====] - 0s 8ms/step - loss: 0.5606 - accuracy: 0.
6264 - val_loss: 0.5935 - val_accuracy: 0.5733 - lr: 0.0063
Epoch 445/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5722 - accuracy: 0.5938
Epoch 445: val_loss did not improve from 0.58731
11/11 [=====] - 0s 8ms/step - loss: 0.5606 - accuracy: 0.
6351 - val_loss: 0.5937 - val_accuracy: 0.5733 - lr: 0.0063
Epoch 446/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5028 - accuracy: 0.6250
Epoch 446: val_loss did not improve from 0.58731
11/11 [=====] - 0s 10ms/step - loss: 0.5619 - accuracy:
0.6207 - val_loss: 0.5899 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 447/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5294 - accuracy: 0.7188
Epoch 447: val_loss did not improve from 0.58731
11/11 [=====] - 0s 9ms/step - loss: 0.5636 - accuracy: 0.
6322 - val_loss: 0.5883 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 448/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5940 - accuracy: 0.5938
Epoch 448: val_loss did not improve from 0.58731
11/11 [=====] - 0s 9ms/step - loss: 0.5607 - accuracy: 0.
6379 - val_loss: 0.5895 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 449/1000
11/11 [=====] - ETA: 0s - loss: 0.5591 - accuracy: 0.6293
Epoch 449: val_loss did not improve from 0.58731
11/11 [=====] - 0s 14ms/step - loss: 0.5591 - accuracy:
0.6293 - val_loss: 0.5922 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 450/1000
9/11 [=====>....] - ETA: 0s - loss: 0.5640 - accuracy: 0.6215
Epoch 450: val_loss did not improve from 0.58731
11/11 [=====] - 0s 11ms/step - loss: 0.5603 - accuracy:
0.6351 - val_loss: 0.5890 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 451/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5962 - accuracy: 0.5000
Epoch 451: val_loss did not improve from 0.58731
11/11 [=====] - 0s 9ms/step - loss: 0.5610 - accuracy: 0.
6264 - val_loss: 0.5930 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 452/1000
11/11 [=====] - ETA: 0s - loss: 0.5657 - accuracy: 0.6236
Epoch 452: val_loss did not improve from 0.58731
11/11 [=====] - 0s 10ms/step - loss: 0.5657 - accuracy:
0.6236 - val_loss: 0.5889 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 453/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5403 - accuracy: 0.6875
Epoch 453: val_loss did not improve from 0.58731
11/11 [=====] - 0s 9ms/step - loss: 0.5648 - accuracy: 0.
6293 - val_loss: 0.5950 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 454/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5471 - accuracy: 0.6875
Epoch 454: val_loss improved from 0.58731 to 0.58532, saving model to tmp/Weights-
454--0.58532.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5604 - accuracy:
0.6293 - val_loss: 0.5853 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 455/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5191 - accuracy: 0.5312
Epoch 455: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5603 - accuracy: 0.
6236 - val_loss: 0.6000 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 456/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5120 - accuracy: 0.5625
Epoch 456: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5640 - accuracy: 0.
6322 - val_loss: 0.5926 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 457/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5193 - accuracy: 0.7500
Epoch 457: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5631 - accuracy: 0.
6322 - val_loss: 0.5912 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 458/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5737 - accuracy: 0.5938
Epoch 458: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5596 - accuracy: 0.
6264 - val_loss: 0.5908 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 459/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4994 - accuracy: 0.6562
Epoch 459: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5586 - accuracy: 0.
6322 - val_loss: 0.5920 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 460/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5411 - accuracy: 0.7188
Epoch 460: val_loss did not improve from 0.58532
11/11 [=====] - 0s 8ms/step - loss: 0.5623 - accuracy: 0.
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6322 - val_loss: 0.5925 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 461/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5426 - accuracy: 0.5938
Epoch 461: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5594 - accuracy: 0.
6293 - val_loss: 0.5919 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 462/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6288 - accuracy: 0.6250
Epoch 462: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5624 - accuracy: 0.
6264 - val_loss: 0.5892 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 463/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5546 - accuracy: 0.5938
Epoch 463: val_loss did not improve from 0.58532
11/11 [=====] - 0s 10ms/step - loss: 0.5609 - accuracy:
0.6351 - val_loss: 0.5877 - val_accuracy: 0.5733 - lr: 0.0063
Epoch 464/1000
11/11 [=====] - ETA: 0s - loss: 0.5604 - accuracy: 0.6236
Epoch 464: val_loss did not improve from 0.58532
11/11 [=====] - 0s 10ms/step - loss: 0.5604 - accuracy:
0.6236 - val_loss: 0.5890 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 465/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5538 - accuracy: 0.5938
Epoch 465: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5591 - accuracy: 0.
6351 - val_loss: 0.5895 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 466/1000
11/11 [=====] - ETA: 0s - loss: 0.5583 - accuracy: 0.6264
Epoch 466: val_loss did not improve from 0.58532
11/11 [=====] - 0s 11ms/step - loss: 0.5583 - accuracy:
0.6264 - val_loss: 0.5918 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 467/1000
11/11 [=====] - ETA: 0s - loss: 0.5586 - accuracy: 0.6351
Epoch 467: val_loss did not improve from 0.58532
11/11 [=====] - 0s 11ms/step - loss: 0.5586 - accuracy:
0.6351 - val_loss: 0.5906 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 468/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6150 - accuracy: 0.5312
Epoch 468: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5597 - accuracy: 0.
6264 - val_loss: 0.5890 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 469/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5536 - accuracy: 0.5000
Epoch 469: val_loss did not improve from 0.58532
11/11 [=====] - 0s 8ms/step - loss: 0.5613 - accuracy: 0.
6207 - val_loss: 0.5935 - val_accuracy: 0.5733 - lr: 0.0063
Epoch 470/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6312 - accuracy: 0.4375
Epoch 470: val_loss did not improve from 0.58532
11/11 [=====] - 0s 8ms/step - loss: 0.5618 - accuracy: 0.
6264 - val_loss: 0.5901 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 471/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6117 - accuracy: 0.6250
Epoch 471: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5646 - accuracy: 0.
6207 - val_loss: 0.5971 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 472/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5230 - accuracy: 0.6562
Epoch 472: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5632 - accuracy: 0.
6293 - val_loss: 0.5892 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 473/1000
11/11 [=====] - ETA: 0s - loss: 0.5621 - accuracy: 0.6293
Epoch 473: val_loss did not improve from 0.58532
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11/11 [=====] - 0s 10ms/step - loss: 0.5621 - accuracy: 0.6293 - val_loss: 0.5896 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 474/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6358 - accuracy: 0.5938
Epoch 474: val_loss did not improve from 0.58532
11/11 [=====] - 0s 8ms/step - loss: 0.5601 - accuracy: 0.6264 - val_loss: 0.5908 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 475/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5385 - accuracy: 0.6250
Epoch 475: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5607 - accuracy: 0.6207 - val_loss: 0.5907 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 476/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6188 - accuracy: 0.5312
Epoch 476: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5588 - accuracy: 0.6379 - val_loss: 0.5896 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 477/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5739 - accuracy: 0.5938
Epoch 477: val_loss did not improve from 0.58532
11/11 [=====] - 0s 10ms/step - loss: 0.5595 - accuracy: 0.6264 - val_loss: 0.5906 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 478/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6255 - accuracy: 0.6250
Epoch 478: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5571 - accuracy: 0.6351 - val_loss: 0.5898 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 479/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5776 - accuracy: 0.7188
Epoch 479: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5591 - accuracy: 0.6293 - val_loss: 0.5916 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 480/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5246 - accuracy: 0.7188
Epoch 480: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5592 - accuracy: 0.6379 - val_loss: 0.5898 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 481/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5642 - accuracy: 0.5938
Epoch 481: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5579 - accuracy: 0.6264 - val_loss: 0.5927 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 482/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5649 - accuracy: 0.6562
Epoch 482: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5590 - accuracy: 0.6293 - val_loss: 0.5907 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 483/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5578 - accuracy: 0.7188
Epoch 483: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5591 - accuracy: 0.6322 - val_loss: 0.5973 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 484/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5201 - accuracy: 0.6250
Epoch 484: val_loss did not improve from 0.58532
11/11 [=====] - 0s 10ms/step - loss: 0.5589 - accuracy: 0.6351 - val_loss: 0.5899 - val_accuracy: 0.5733 - lr: 0.0063
Epoch 485/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5579 - accuracy: 0.6375
Epoch 485: val_loss did not improve from 0.58532
11/11 [=====] - 0s 12ms/step - loss: 0.5582 - accuracy: 0.6293 - val_loss: 0.5869 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 486/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5389 - accuracy: 0.5938
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Epoch 486: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5568 - accuracy: 0.
6322 - val_loss: 0.5915 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 487/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5559 - accuracy: 0.7188
Epoch 487: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5573 - accuracy: 0.
6322 - val_loss: 0.5930 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 488/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5678 - accuracy: 0.7188
Epoch 488: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5570 - accuracy: 0.
6379 - val_loss: 0.5917 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 489/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4876 - accuracy: 0.7188
Epoch 489: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5576 - accuracy: 0.
6264 - val_loss: 0.5909 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 490/1000
11/11 [=====] - ETA: 0s - loss: 0.5583 - accuracy: 0.6351
Epoch 490: val_loss did not improve from 0.58532
11/11 [=====] - 0s 10ms/step - loss: 0.5583 - accuracy:
0.6351 - val_loss: 0.5873 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 491/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5716 - accuracy: 0.5938
Epoch 491: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5579 - accuracy: 0.
6236 - val_loss: 0.5977 - val_accuracy: 0.5667 - lr: 0.0063
Epoch 492/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5689 - accuracy: 0.6250
Epoch 492: val_loss did not improve from 0.58532
11/11 [=====] - 0s 8ms/step - loss: 0.5588 - accuracy: 0.
6379 - val_loss: 0.5884 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 493/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5825 - accuracy: 0.5625
Epoch 493: val_loss did not improve from 0.58532
11/11 [=====] - 0s 8ms/step - loss: 0.5584 - accuracy: 0.
6379 - val_loss: 0.5972 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 494/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5268 - accuracy: 0.6562
Epoch 494: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5589 - accuracy: 0.
6322 - val_loss: 0.5953 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 495/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5883 - accuracy: 0.6250
Epoch 495: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5583 - accuracy: 0.
6264 - val_loss: 0.5908 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 496/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5295 - accuracy: 0.7500
Epoch 496: val_loss did not improve from 0.58532
11/11 [=====] - 0s 10ms/step - loss: 0.5584 - accuracy:
0.6322 - val_loss: 0.5966 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 497/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5518 - accuracy: 0.4688
Epoch 497: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5579 - accuracy: 0.
6322 - val_loss: 0.5930 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 498/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5486 - accuracy: 0.6562
Epoch 498: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5566 - accuracy: 0.
6293 - val_loss: 0.5931 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 499/1000
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11/11 [=====] - ETA: 0s - loss: 0.5574 - accuracy: 0.6351
Epoch 499: val_loss did not improve from 0.58532
11/11 [=====] - 0s 11ms/step - loss: 0.5574 - accuracy: 0.6351 - val_loss: 0.5920 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 500/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6274 - accuracy: 0.5938
Epoch 500: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5572 - accuracy: 0.6322 - val_loss: 0.5918 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 501/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5777 - accuracy: 0.6875
Epoch 501: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5582 - accuracy: 0.6351 - val_loss: 0.5964 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 502/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5241 - accuracy: 0.6875
Epoch 502: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5577 - accuracy: 0.6351 - val_loss: 0.5916 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 503/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5728 - accuracy: 0.5625
Epoch 503: val_loss did not improve from 0.58532
11/11 [=====] - 0s 10ms/step - loss: 0.5568 - accuracy: 0.6236 - val_loss: 0.5937 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 504/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6158 - accuracy: 0.5625
Epoch 504: val_loss did not improve from 0.58532

Epoch 504: ReduceLROnPlateau reducing learning rate to 0.004409999679774046.
11/11 [=====] - 0s 10ms/step - loss: 0.5612 - accuracy: 0.6322 - val_loss: 0.5920 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 505/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6113 - accuracy: 0.7188
Epoch 505: val_loss did not improve from 0.58532
11/11 [=====] - 0s 8ms/step - loss: 0.5694 - accuracy: 0.6121 - val_loss: 0.5986 - val_accuracy: 0.5867 - lr: 0.0044
Epoch 506/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4942 - accuracy: 0.7812
Epoch 506: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5566 - accuracy: 0.6379 - val_loss: 0.5904 - val_accuracy: 0.5800 - lr: 0.0044
Epoch 507/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5547 - accuracy: 0.5312
Epoch 507: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5566 - accuracy: 0.6322 - val_loss: 0.5919 - val_accuracy: 0.5800 - lr: 0.0044
Epoch 508/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5032 - accuracy: 0.6875
Epoch 508: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5559 - accuracy: 0.6351 - val_loss: 0.5890 - val_accuracy: 0.5800 - lr: 0.0044
Epoch 509/1000
9/11 [======>.....] - ETA: 0s - loss: 0.5547 - accuracy: 0.6319
Epoch 509: val_loss did not improve from 0.58532
11/11 [=====] - 0s 12ms/step - loss: 0.5555 - accuracy: 0.6379 - val_loss: 0.5943 - val_accuracy: 0.5800 - lr: 0.0044
Epoch 510/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5758 - accuracy: 0.5625
Epoch 510: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5559 - accuracy: 0.6351 - val_loss: 0.5862 - val_accuracy: 0.5867 - lr: 0.0044
Epoch 511/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6135 - accuracy: 0.6875
Epoch 511: val_loss did not improve from 0.58532
```

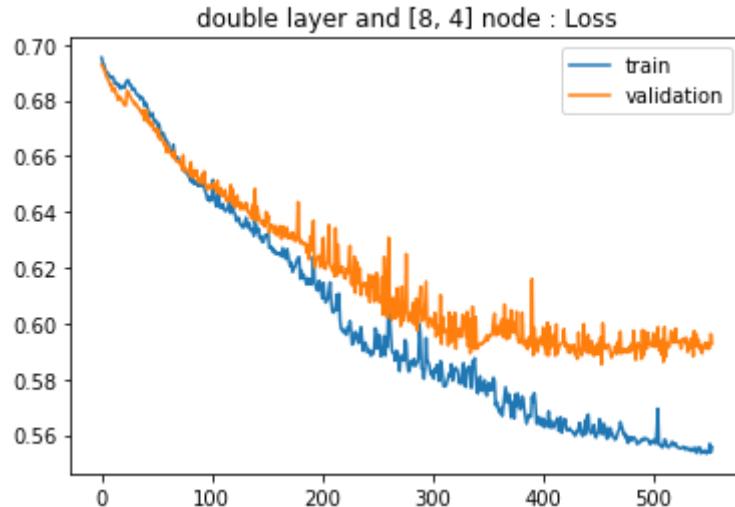
```
11/11 [=====] - 0s 9ms/step - loss: 0.5584 - accuracy: 0.  
6236 - val_loss: 0.5987 - val_accuracy: 0.5867 - lr: 0.0044  
Epoch 512/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5571 - accuracy: 0.5938  
Epoch 512: val_loss did not improve from 0.58532  
11/11 [=====] - 0s 9ms/step - loss: 0.5581 - accuracy: 0.  
6351 - val_loss: 0.5880 - val_accuracy: 0.5800 - lr: 0.0044  
Epoch 513/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5893 - accuracy: 0.7188  
Epoch 513: val_loss did not improve from 0.58532  
11/11 [=====] - 0s 9ms/step - loss: 0.5562 - accuracy: 0.  
6322 - val_loss: 0.5931 - val_accuracy: 0.5867 - lr: 0.0044  
Epoch 514/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5596 - accuracy: 0.5938  
Epoch 514: val_loss did not improve from 0.58532  
11/11 [=====] - 0s 9ms/step - loss: 0.5557 - accuracy: 0.  
6379 - val_loss: 0.5930 - val_accuracy: 0.5800 - lr: 0.0044  
Epoch 515/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5500 - accuracy: 0.6250  
Epoch 515: val_loss did not improve from 0.58532  
11/11 [=====] - 0s 9ms/step - loss: 0.5555 - accuracy: 0.  
6236 - val_loss: 0.5913 - val_accuracy: 0.5800 - lr: 0.0044  
Epoch 516/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5736 - accuracy: 0.5312  
Epoch 516: val_loss did not improve from 0.58532  
11/11 [=====] - 0s 9ms/step - loss: 0.5562 - accuracy: 0.  
6351 - val_loss: 0.5932 - val_accuracy: 0.5800 - lr: 0.0044  
Epoch 517/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6155 - accuracy: 0.5938  
Epoch 517: val_loss did not improve from 0.58532  
11/11 [=====] - 0s 10ms/step - loss: 0.5568 - accuracy:  
0.6236 - val_loss: 0.5972 - val_accuracy: 0.5733 - lr: 0.0044  
Epoch 518/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4901 - accuracy: 0.6875  
Epoch 518: val_loss did not improve from 0.58532  
11/11 [=====] - 0s 10ms/step - loss: 0.5575 - accuracy:  
0.6322 - val_loss: 0.5964 - val_accuracy: 0.5800 - lr: 0.0044  
Epoch 519/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5951 - accuracy: 0.5312  
Epoch 519: val_loss did not improve from 0.58532  
11/11 [=====] - 0s 10ms/step - loss: 0.5562 - accuracy:  
0.6293 - val_loss: 0.5931 - val_accuracy: 0.5867 - lr: 0.0044  
Epoch 520/1000  
10/11 [=====>...] - ETA: 0s - loss: 0.5618 - accuracy: 0.6250  
Epoch 520: val_loss did not improve from 0.58532  
11/11 [=====] - 0s 10ms/step - loss: 0.5563 - accuracy:  
0.6351 - val_loss: 0.5935 - val_accuracy: 0.5800 - lr: 0.0044  
Epoch 521/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5763 - accuracy: 0.7188  
Epoch 521: val_loss did not improve from 0.58532  
11/11 [=====] - 0s 8ms/step - loss: 0.5570 - accuracy: 0.  
6207 - val_loss: 0.5982 - val_accuracy: 0.5800 - lr: 0.0044  
Epoch 522/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5702 - accuracy: 0.6250  
Epoch 522: val_loss did not improve from 0.58532  
11/11 [=====] - 0s 10ms/step - loss: 0.5559 - accuracy:  
0.6379 - val_loss: 0.5934 - val_accuracy: 0.5800 - lr: 0.0044  
Epoch 523/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5176 - accuracy: 0.7188  
Epoch 523: val_loss did not improve from 0.58532  
11/11 [=====] - 0s 9ms/step - loss: 0.5555 - accuracy: 0.  
6351 - val_loss: 0.5931 - val_accuracy: 0.5867 - lr: 0.0044  
Epoch 524/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5407 - accuracy: 0.5625
```

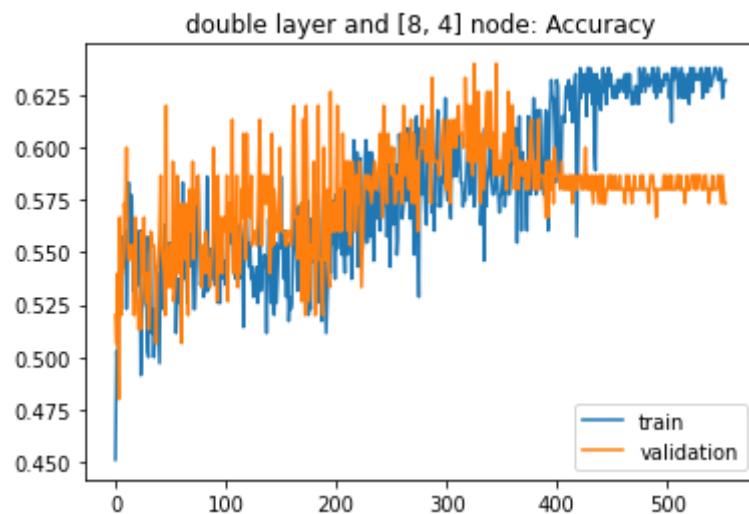
```
Epoch 524: val_loss did not improve from 0.58532
11/11 [=====] - 0s 10ms/step - loss: 0.5554 - accuracy: 0.6264 - val_loss: 0.5937 - val_accuracy: 0.5867 - lr: 0.0044
Epoch 525/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5708 - accuracy: 0.5625
Epoch 525: val_loss did not improve from 0.58532
11/11 [=====] - 0s 10ms/step - loss: 0.5552 - accuracy: 0.6379 - val_loss: 0.5933 - val_accuracy: 0.5867 - lr: 0.0044
Epoch 526/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6266 - accuracy: 0.5938
Epoch 526: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5551 - accuracy: 0.6322 - val_loss: 0.5909 - val_accuracy: 0.5800 - lr: 0.0044
Epoch 527/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5528 - accuracy: 0.6250
Epoch 527: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5555 - accuracy: 0.6322 - val_loss: 0.5944 - val_accuracy: 0.5867 - lr: 0.0044
Epoch 528/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6050 - accuracy: 0.5312
Epoch 528: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5558 - accuracy: 0.6351 - val_loss: 0.5942 - val_accuracy: 0.5800 - lr: 0.0044
Epoch 529/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5590 - accuracy: 0.5312
Epoch 529: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5555 - accuracy: 0.6351 - val_loss: 0.5947 - val_accuracy: 0.5867 - lr: 0.0044
Epoch 530/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5575 - accuracy: 0.6281
Epoch 530: val_loss did not improve from 0.58532
11/11 [=====] - 0s 10ms/step - loss: 0.5547 - accuracy: 0.6322 - val_loss: 0.5928 - val_accuracy: 0.5867 - lr: 0.0044
Epoch 531/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5306 - accuracy: 0.6875
Epoch 531: val_loss did not improve from 0.58532
11/11 [=====] - 0s 10ms/step - loss: 0.5554 - accuracy: 0.6351 - val_loss: 0.5948 - val_accuracy: 0.5867 - lr: 0.0044
Epoch 532/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5393 - accuracy: 0.5938
Epoch 532: val_loss did not improve from 0.58532
11/11 [=====] - 0s 8ms/step - loss: 0.5550 - accuracy: 0.6379 - val_loss: 0.5897 - val_accuracy: 0.5800 - lr: 0.0044
Epoch 533/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5811 - accuracy: 0.5938
Epoch 533: val_loss did not improve from 0.58532
11/11 [=====] - 0s 8ms/step - loss: 0.5547 - accuracy: 0.6236 - val_loss: 0.5931 - val_accuracy: 0.5800 - lr: 0.0044
Epoch 534/1000
11/11 [=====] - ETA: 0s - loss: 0.5552 - accuracy: 0.6351
Epoch 534: val_loss did not improve from 0.58532
11/11 [=====] - 0s 10ms/step - loss: 0.5552 - accuracy: 0.6351 - val_loss: 0.5910 - val_accuracy: 0.5800 - lr: 0.0044
Epoch 535/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6216 - accuracy: 0.5938
Epoch 535: val_loss did not improve from 0.58532
11/11 [=====] - 0s 8ms/step - loss: 0.5543 - accuracy: 0.6264 - val_loss: 0.5946 - val_accuracy: 0.5867 - lr: 0.0044
Epoch 536/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5630 - accuracy: 0.5938
Epoch 536: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5544 - accuracy: 0.6379 - val_loss: 0.5928 - val_accuracy: 0.5867 - lr: 0.0044
Epoch 537/1000
```

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1/11 [=>.....] - ETA: 0s - loss: 0.5305 - accuracy: 0.7500
Epoch 537: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5552 - accuracy: 0.
6322 - val_loss: 0.5882 - val_accuracy: 0.5800 - lr: 0.0044
Epoch 538/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5349 - accuracy: 0.5938
Epoch 538: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5548 - accuracy: 0.
6264 - val_loss: 0.5973 - val_accuracy: 0.5800 - lr: 0.0044
Epoch 539/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5968 - accuracy: 0.5312
Epoch 539: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5554 - accuracy: 0.
6379 - val_loss: 0.5921 - val_accuracy: 0.5733 - lr: 0.0044
Epoch 540/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5343 - accuracy: 0.7188
Epoch 540: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5535 - accuracy: 0.
6322 - val_loss: 0.5962 - val_accuracy: 0.5800 - lr: 0.0044
Epoch 541/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5534 - accuracy: 0.5938
Epoch 541: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5548 - accuracy: 0.
6293 - val_loss: 0.5918 - val_accuracy: 0.5800 - lr: 0.0044
Epoch 542/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6075 - accuracy: 0.5312
Epoch 542: val_loss did not improve from 0.58532
11/11 [=====] - 0s 8ms/step - loss: 0.5555 - accuracy: 0.
6322 - val_loss: 0.5940 - val_accuracy: 0.5867 - lr: 0.0044
Epoch 543/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4449 - accuracy: 0.6875
Epoch 543: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5555 - accuracy: 0.
6351 - val_loss: 0.5906 - val_accuracy: 0.5800 - lr: 0.0044
Epoch 544/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5824 - accuracy: 0.6875
Epoch 544: val_loss did not improve from 0.58532
11/11 [=====] - 0s 10ms/step - loss: 0.5534 - accuracy: 0.
6379 - val_loss: 0.5920 - val_accuracy: 0.5800 - lr: 0.0044
Epoch 545/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4834 - accuracy: 0.6562
Epoch 545: val_loss did not improve from 0.58532
11/11 [=====] - 0s 10ms/step - loss: 0.5544 - accuracy: 0.
6379 - val_loss: 0.5893 - val_accuracy: 0.5800 - lr: 0.0044
Epoch 546/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5433 - accuracy: 0.6562
Epoch 546: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5540 - accuracy: 0.
6351 - val_loss: 0.5907 - val_accuracy: 0.5800 - lr: 0.0044
Epoch 547/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5376 - accuracy: 0.5938
Epoch 547: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5540 - accuracy: 0.
6322 - val_loss: 0.5925 - val_accuracy: 0.5867 - lr: 0.0044
Epoch 548/1000
11/11 [=====] - ETA: 0s - loss: 0.5544 - accuracy: 0.6322
Epoch 548: val_loss did not improve from 0.58532
11/11 [=====] - 0s 10ms/step - loss: 0.5544 - accuracy: 0.
6322 - val_loss: 0.5931 - val_accuracy: 0.5867 - lr: 0.0044
Epoch 549/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5489 - accuracy: 0.6438
Epoch 549: val_loss did not improve from 0.58532
11/11 [=====] - 0s 11ms/step - loss: 0.5533 - accuracy: 0.
6379 - val_loss: 0.5911 - val_accuracy: 0.5800 - lr: 0.0044
```

```
Epoch 550/1000
1/11 [=>........................] - ETA: 0s - loss: 0.5780 - accuracy: 0.5625
Epoch 550: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5537 - accuracy: 0.
6351 - val_loss: 0.5928 - val_accuracy: 0.5733 - lr: 0.0044
Epoch 551/1000
1/11 [=>........................] - ETA: 0s - loss: 0.5459 - accuracy: 0.5625
Epoch 551: val_loss did not improve from 0.58532
11/11 [=====] - 0s 8ms/step - loss: 0.5538 - accuracy: 0.
6236 - val_loss: 0.5909 - val_accuracy: 0.5867 - lr: 0.0044
Epoch 552/1000
1/11 [=>........................] - ETA: 0s - loss: 0.4972 - accuracy: 0.8750
Epoch 552: val_loss did not improve from 0.58532
11/11 [=====] - 0s 9ms/step - loss: 0.5569 - accuracy: 0.
6293 - val_loss: 0.5912 - val_accuracy: 0.5800 - lr: 0.0044
Epoch 553/1000
1/11 [=>........................] - ETA: 0s - loss: 0.5523 - accuracy: 0.5938
Epoch 553: val_loss did not improve from 0.58532
11/11 [=====] - 0s 10ms/step - loss: 0.5538 - accuracy:
0.6322 - val_loss: 0.5962 - val_accuracy: 0.5733 - lr: 0.0044
Epoch 554/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5539 - accuracy: 0.6438
Epoch 554: val_loss did not improve from 0.58532

Epoch 554: ReduceLROnPlateau reducing learning rate to 0.0030869997106492517.
11/11 [=====] - 0s 11ms/step - loss: 0.5556 - accuracy:
0.6322 - val_loss: 0.5928 - val_accuracy: 0.5733 - lr: 0.0044
Epoch 554: early stopping
Final training loss for double layer and [8, 4] nodes: 0.5556217432022095
Final training accuracy for double layer and [8, 4] nodes 0.6321839094161987
Final validation loss for double layer and [8, 4] nodes 0.5928268432617188
Final validation accuracy for double layer and [8, 4] nodes 0.5733333230018616
```





```
>>>>>>>>>>>>>>> Model training with double hidden layer and [8, 8] node>>>>>
>>>>>>
```

Model: "sequential_38"

Layer (type)	Output Shape	Param #
<hr/>		
dense_102 (Dense)	(None, 8)	24
dense_103 (Dense)	(None, 8)	72
dense_104 (Dense)	(None, 1)	9
<hr/>		
Total params: 105		
Trainable params: 105		
Non-trainable params: 0		

None
Epoch 1/1000
1/11 [=>.....] - ETA: 8s - loss: 0.6945 - accuracy: 0.5625
Epoch 1: val_loss improved from inf to 0.70189, saving model to tmp/Weights-001--0.70189.hdf5
11/11 [=====] - 1s 25ms/step - loss: 0.7004 - accuracy: 0.5086 - val_loss: 0.7019 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 2/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7092 - accuracy: 0.3750
Epoch 2: val_loss improved from 0.70189 to 0.69784, saving model to tmp/Weights-002--0.69784.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.7011 - accuracy: 0.4799 - val_loss: 0.6978 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 3/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6855 - accuracy: 0.6562
Epoch 3: val_loss improved from 0.69784 to 0.69607, saving model to tmp/Weights-003--0.69607.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6981 - accuracy: 0.4971 - val_loss: 0.6961 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 4/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6957 - accuracy: 0.5000
Epoch 4: val_loss improved from 0.69607 to 0.69548, saving model to tmp/Weights-004--0.69548.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6961 - accuracy: 0.4885 - val_loss: 0.6955 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 5/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7014 - accuracy: 0.4062
Epoch 5: val_loss improved from 0.69548 to 0.69339, saving model to tmp/Weights-005--0.69339.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6950 - accuracy: 0.5144 - val_loss: 0.6934 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 6/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6905 - accuracy: 0.8125
Epoch 6: val_loss improved from 0.69339 to 0.69204, saving model to tmp/Weights-006--0.69204.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6944 - accuracy: 0.5316 - val_loss: 0.6920 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 7/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6887 - accuracy: 0.7188
Epoch 7: val_loss improved from 0.69204 to 0.69059, saving model to tmp/Weights-007--0.69059.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6932 - accuracy: 0.5517 - val_loss: 0.6906 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 8/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6944 - accuracy: 0.4688
Epoch 8: val_loss improved from 0.69059 to 0.68967, saving model to tmp/Weights-00
8--0.68967.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6927 - accuracy: 0.5575 - val_loss: 0.6897 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 9/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6942 - accuracy: 0.4688
Epoch 9: val_loss improved from 0.68967 to 0.68839, saving model to tmp/Weights-00
9--0.68839.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6922 - accuracy: 0.5833 - val_loss: 0.6884 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 10/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6825 - accuracy: 0.7500
Epoch 10: val_loss did not improve from 0.68839
11/11 [=====] - 0s 9ms/step - loss: 0.6932 - accuracy: 0.5345 - val_loss: 0.6887 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 11/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6931 - accuracy: 0.4688
Epoch 11: val_loss improved from 0.68839 to 0.68622, saving model to tmp/Weights-011--0.68622.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6940 - accuracy: 0.4856 - val_loss: 0.6862 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 12/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6789 - accuracy: 0.6562
Epoch 12: val_loss did not improve from 0.68622
11/11 [=====] - 0s 9ms/step - loss: 0.6907 - accuracy: 0.5086 - val_loss: 0.6872 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 13/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6859 - accuracy: 0.5625
Epoch 13: val_loss improved from 0.68622 to 0.68413, saving model to tmp/Weights-013--0.68413.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6903 - accuracy: 0.5230 - val_loss: 0.6841 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 14/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7104 - accuracy: 0.4062
Epoch 14: val_loss did not improve from 0.68413
11/11 [=====] - 0s 8ms/step - loss: 0.6913 - accuracy: 0.5316 - val_loss: 0.6854 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 15/1000
11/11 [=====] - ETA: 0s - loss: 0.6906 - accuracy: 0.5374
Epoch 15: val_loss improved from 0.68413 to 0.68381, saving model to tmp/Weights-015--0.68381.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6906 - accuracy: 0.5374 - val_loss: 0.6838 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 16/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6575 - accuracy: 0.7500
Epoch 16: val_loss did not improve from 0.68381
11/11 [=====] - 0s 9ms/step - loss: 0.6891 - accuracy: 0.5517 - val_loss: 0.6843 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 17/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6833 - accuracy: 0.6250
Epoch 17: val_loss did not improve from 0.68381
11/11 [=====] - 0s 7ms/step - loss: 0.6911 - accuracy: 0.5259 - val_loss: 0.6843 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 18/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6782 - accuracy: 0.5938
Epoch 18: val_loss improved from 0.68381 to 0.68150, saving model to tmp/Weights-018--0.68150.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6884 - accuracy: 0.5201 - val_loss: 0.6815 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 19/1000
11/11 [=====] - ETA: 0s - loss: 0.6888 - accuracy: 0.5316
Epoch 19: val_loss did not improve from 0.68150
11/11 [=====] - 0s 10ms/step - loss: 0.6888 - accuracy:
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0.5316 - val_loss: 0.6817 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 20/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6668 - accuracy: 0.5938
Epoch 20: val_loss did not improve from 0.68150
11/11 [=====] - 0s 7ms/step - loss: 0.6892 - accuracy: 0.
5316 - val_loss: 0.6826 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 21/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6945 - accuracy: 0.5000
Epoch 21: val_loss improved from 0.68150 to 0.67930, saving model to tmp/Weights-0
21--0.67930.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6892 - accuracy:
0.5575 - val_loss: 0.6793 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 22/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6934 - accuracy: 0.5625
Epoch 22: val_loss did not improve from 0.67930
11/11 [=====] - 0s 9ms/step - loss: 0.6870 - accuracy: 0.
5546 - val_loss: 0.6812 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 23/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6655 - accuracy: 0.6250
Epoch 23: val_loss did not improve from 0.67930
11/11 [=====] - 0s 9ms/step - loss: 0.6874 - accuracy: 0.
5431 - val_loss: 0.6797 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 24/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7090 - accuracy: 0.4375
Epoch 24: val_loss did not improve from 0.67930
11/11 [=====] - 0s 9ms/step - loss: 0.6881 - accuracy: 0.
5144 - val_loss: 0.6800 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 25/1000
11/11 [=====] - ETA: 0s - loss: 0.6873 - accuracy: 0.5517
Epoch 25: val_loss did not improve from 0.67930
11/11 [=====] - 0s 10ms/step - loss: 0.6873 - accuracy:
0.5517 - val_loss: 0.6794 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 26/1000
11/11 [=====] - ETA: 0s - loss: 0.6873 - accuracy: 0.5172
Epoch 26: val_loss improved from 0.67930 to 0.67818, saving model to tmp/Weights-0
26--0.67818.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6873 - accuracy:
0.5172 - val_loss: 0.6782 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 27/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6735 - accuracy: 0.5625
Epoch 27: val_loss did not improve from 0.67818
11/11 [=====] - 0s 8ms/step - loss: 0.6873 - accuracy: 0.
5661 - val_loss: 0.6797 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 28/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6983 - accuracy: 0.5000
Epoch 28: val_loss did not improve from 0.67818
11/11 [=====] - 0s 8ms/step - loss: 0.6876 - accuracy: 0.
5287 - val_loss: 0.6797 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 29/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6712 - accuracy: 0.6562
Epoch 29: val_loss improved from 0.67818 to 0.67700, saving model to tmp/Weights-0
29--0.67700.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6864 - accuracy:
0.5374 - val_loss: 0.6770 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 30/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6766 - accuracy: 0.5938
Epoch 30: val_loss did not improve from 0.67700
11/11 [=====] - 0s 8ms/step - loss: 0.6868 - accuracy: 0.
5805 - val_loss: 0.6786 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 31/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6568 - accuracy: 0.6250
Epoch 31: val_loss did not improve from 0.67700
11/11 [=====] - 0s 10ms/step - loss: 0.6881 - accuracy:
0.5201 - val_loss: 0.6793 - val_accuracy: 0.5467 - lr: 0.0090
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Epoch 32/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7203 - accuracy: 0.3438
Epoch 32: val_loss did not improve from 0.67700
11/11 [=====] - 0s 8ms/step - loss: 0.6871 - accuracy: 0.
5172 - val_loss: 0.6779 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 33/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6850 - accuracy: 0.5219
Epoch 33: val_loss improved from 0.67700 to 0.67678, saving model to tmp/Weights-0
33--0.67678.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6867 - accuracy:
0.5259 - val_loss: 0.6768 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 34/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7028 - accuracy: 0.5312
Epoch 34: val_loss did not improve from 0.67678
11/11 [=====] - 0s 7ms/step - loss: 0.6878 - accuracy: 0.
5230 - val_loss: 0.6779 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 35/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6878 - accuracy: 0.5312
Epoch 35: val_loss did not improve from 0.67678
11/11 [=====] - 0s 9ms/step - loss: 0.6878 - accuracy: 0.
5517 - val_loss: 0.6784 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 36/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6994 - accuracy: 0.5625
Epoch 36: val_loss did not improve from 0.67678
11/11 [=====] - 0s 7ms/step - loss: 0.6864 - accuracy: 0.
5086 - val_loss: 0.6777 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 37/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6892 - accuracy: 0.5312
Epoch 37: val_loss did not improve from 0.67678
11/11 [=====] - 0s 7ms/step - loss: 0.6873 - accuracy: 0.
5690 - val_loss: 0.6771 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 38/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6838 - accuracy: 0.5625
Epoch 38: val_loss did not improve from 0.67678
11/11 [=====] - 0s 8ms/step - loss: 0.6894 - accuracy: 0.
5201 - val_loss: 0.6803 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 39/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6760 - accuracy: 0.5312
Epoch 39: val_loss improved from 0.67678 to 0.67639, saving model to tmp/Weights-0
39--0.67639.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6874 - accuracy:
0.5460 - val_loss: 0.6764 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 40/1000
11/11 [=====] - ETA: 0s - loss: 0.6864 - accuracy: 0.5345
Epoch 40: val_loss did not improve from 0.67639
11/11 [=====] - 0s 9ms/step - loss: 0.6864 - accuracy: 0.
5345 - val_loss: 0.6780 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 41/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6687 - accuracy: 0.5312
Epoch 41: val_loss did not improve from 0.67639
11/11 [=====] - 0s 7ms/step - loss: 0.6858 - accuracy: 0.
5374 - val_loss: 0.6770 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 42/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6688 - accuracy: 0.6250
Epoch 42: val_loss did not improve from 0.67639
11/11 [=====] - 0s 8ms/step - loss: 0.6864 - accuracy: 0.
5259 - val_loss: 0.6779 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 43/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6765 - accuracy: 0.5625
Epoch 43: val_loss did not improve from 0.67639
11/11 [=====] - 0s 9ms/step - loss: 0.6861 - accuracy: 0.
5287 - val_loss: 0.6770 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 44/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6536 - accuracy: 0.6875
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Epoch 44: val_loss did not improve from 0.67639
11/11 [=====] - 0s 9ms/step - loss: 0.6855 - accuracy: 0.
5517 - val_loss: 0.6770 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 45/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6455 - accuracy: 0.6562
Epoch 45: val_loss did not improve from 0.67639
11/11 [=====] - 0s 8ms/step - loss: 0.6854 - accuracy: 0.
5661 - val_loss: 0.6771 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 46/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6800 - accuracy: 0.5625
Epoch 46: val_loss did not improve from 0.67639
11/11 [=====] - 0s 9ms/step - loss: 0.6868 - accuracy: 0.
5316 - val_loss: 0.6801 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 47/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6825 - accuracy: 0.5000
Epoch 47: val_loss did not improve from 0.67639
11/11 [=====] - 0s 8ms/step - loss: 0.6887 - accuracy: 0.
5230 - val_loss: 0.6764 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 48/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7520 - accuracy: 0.4375
Epoch 48: val_loss did not improve from 0.67639
11/11 [=====] - 0s 9ms/step - loss: 0.6867 - accuracy: 0.
5489 - val_loss: 0.6799 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 49/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7164 - accuracy: 0.3438
Epoch 49: val_loss did not improve from 0.67639
11/11 [=====] - 0s 8ms/step - loss: 0.6869 - accuracy: 0.
5287 - val_loss: 0.6772 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 50/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7129 - accuracy: 0.4375
Epoch 50: val_loss did not improve from 0.67639
11/11 [=====] - 0s 8ms/step - loss: 0.6868 - accuracy: 0.
5259 - val_loss: 0.6815 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 51/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6929 - accuracy: 0.5312
Epoch 51: val_loss did not improve from 0.67639
11/11 [=====] - 0s 10ms/step - loss: 0.6851 - accuracy: 0.
5172 - val_loss: 0.6767 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 52/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6925 - accuracy: 0.4688
Epoch 52: val_loss did not improve from 0.67639
11/11 [=====] - 0s 9ms/step - loss: 0.6879 - accuracy: 0.
5259 - val_loss: 0.6800 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 53/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7168 - accuracy: 0.4062
Epoch 53: val_loss did not improve from 0.67639
11/11 [=====] - 0s 7ms/step - loss: 0.6862 - accuracy: 0.
5460 - val_loss: 0.6773 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 54/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6593 - accuracy: 0.7812
Epoch 54: val_loss did not improve from 0.67639
11/11 [=====] - 0s 9ms/step - loss: 0.6846 - accuracy: 0.
5546 - val_loss: 0.6803 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 55/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6925 - accuracy: 0.5000
Epoch 55: val_loss did not improve from 0.67639
11/11 [=====] - 0s 8ms/step - loss: 0.6840 - accuracy: 0.
5230 - val_loss: 0.6780 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 56/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6895 - accuracy: 0.5625
Epoch 56: val_loss did not improve from 0.67639
11/11 [=====] - 0s 7ms/step - loss: 0.6844 - accuracy: 0.
5460 - val_loss: 0.6781 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 57/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6868 - accuracy: 0.5000
Epoch 57: val_loss did not improve from 0.67639
11/11 [=====] - 0s 8ms/step - loss: 0.6840 - accuracy: 0.
5144 - val_loss: 0.6787 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 58/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7043 - accuracy: 0.4375
Epoch 58: val_loss improved from 0.67639 to 0.67626, saving model to tmp/Weights-0
58--0.67626.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6839 - accuracy:
0.5230 - val_loss: 0.6763 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 59/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6822 - accuracy: 0.3750
Epoch 59: val_loss did not improve from 0.67626
11/11 [=====] - 0s 7ms/step - loss: 0.6848 - accuracy: 0.
5345 - val_loss: 0.6772 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 60/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6804 - accuracy: 0.5375
Epoch 60: val_loss did not improve from 0.67626
11/11 [=====] - 0s 11ms/step - loss: 0.6837 - accuracy:
0.5316 - val_loss: 0.6768 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 61/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6911 - accuracy: 0.4375
Epoch 61: val_loss did not improve from 0.67626
11/11 [=====] - 0s 7ms/step - loss: 0.6841 - accuracy: 0.
5201 - val_loss: 0.6770 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 62/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6799 - accuracy: 0.5625
Epoch 62: val_loss did not improve from 0.67626
11/11 [=====] - 0s 8ms/step - loss: 0.6831 - accuracy: 0.
5259 - val_loss: 0.6764 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 63/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7060 - accuracy: 0.5312
Epoch 63: val_loss improved from 0.67626 to 0.67594, saving model to tmp/Weights-0
63--0.67594.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6838 - accuracy:
0.5259 - val_loss: 0.6759 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 64/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6817 - accuracy: 0.4375
Epoch 64: val_loss improved from 0.67594 to 0.67583, saving model to tmp/Weights-0
64--0.67583.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6827 - accuracy:
0.5316 - val_loss: 0.6758 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 65/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6909 - accuracy: 0.4062
Epoch 65: val_loss did not improve from 0.67583
11/11 [=====] - 0s 7ms/step - loss: 0.6816 - accuracy: 0.
5115 - val_loss: 0.6771 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 66/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7058 - accuracy: 0.4375
Epoch 66: val_loss improved from 0.67583 to 0.67578, saving model to tmp/Weights-0
66--0.67578.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6857 - accuracy: 0.
5316 - val_loss: 0.6758 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 67/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6664 - accuracy: 0.5625
Epoch 67: val_loss did not improve from 0.67578
11/11 [=====] - 0s 8ms/step - loss: 0.6816 - accuracy: 0.
5316 - val_loss: 0.6758 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 68/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6954 - accuracy: 0.4688
Epoch 68: val_loss improved from 0.67578 to 0.67510, saving model to tmp/Weights-0
68--0.67510.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6816 - accuracy:
0.5201 - val_loss: 0.6751 - val_accuracy: 0.5467 - lr: 0.0090
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Epoch 69/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6924 - accuracy: 0.5312
Epoch 69: val_loss did not improve from 0.67510
11/11 [=====] - 0s 8ms/step - loss: 0.6811 - accuracy: 0.
5086 - val_loss: 0.6754 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 70/1000
11/11 [=====] - ETA: 0s - loss: 0.6807 - accuracy: 0.5259
Epoch 70: val_loss improved from 0.67510 to 0.67422, saving model to tmp/Weights-0
70--0.67422.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6807 - accuracy:
0.5259 - val_loss: 0.6742 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 71/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6898 - accuracy: 0.5625
Epoch 71: val_loss did not improve from 0.67422
11/11 [=====] - 0s 9ms/step - loss: 0.6820 - accuracy: 0.
5172 - val_loss: 0.6749 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 72/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6919 - accuracy: 0.5000
Epoch 72: val_loss did not improve from 0.67422
11/11 [=====] - 0s 8ms/step - loss: 0.6797 - accuracy: 0.
5259 - val_loss: 0.6744 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 73/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7021 - accuracy: 0.3750
Epoch 73: val_loss did not improve from 0.67422
11/11 [=====] - 0s 9ms/step - loss: 0.6809 - accuracy: 0.
5259 - val_loss: 0.6744 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 74/1000
11/11 [=====] - ETA: 0s - loss: 0.6807 - accuracy: 0.5374
Epoch 74: val_loss did not improve from 0.67422
11/11 [=====] - 0s 10ms/step - loss: 0.6807 - accuracy:
0.5374 - val_loss: 0.6755 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 75/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6763 - accuracy: 0.5625
Epoch 75: val_loss did not improve from 0.67422
11/11 [=====] - 0s 9ms/step - loss: 0.6829 - accuracy: 0.
5259 - val_loss: 0.6749 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 76/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6705 - accuracy: 0.5625
Epoch 76: val_loss improved from 0.67422 to 0.67225, saving model to tmp/Weights-0
76--0.67225.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6807 - accuracy:
0.5287 - val_loss: 0.6723 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 77/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6838 - accuracy: 0.5000
Epoch 77: val_loss improved from 0.67225 to 0.67223, saving model to tmp/Weights-0
77--0.67223.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6775 - accuracy: 0.
5201 - val_loss: 0.6722 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 78/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7089 - accuracy: 0.4375
Epoch 78: val_loss did not improve from 0.67223
11/11 [=====] - 0s 8ms/step - loss: 0.6779 - accuracy: 0.
5259 - val_loss: 0.6737 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 79/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7050 - accuracy: 0.4062
Epoch 79: val_loss improved from 0.67223 to 0.67168, saving model to tmp/Weights-0
79--0.67168.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6797 - accuracy:
0.5287 - val_loss: 0.6717 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 80/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6751 - accuracy: 0.5312
Epoch 80: val_loss improved from 0.67168 to 0.67100, saving model to tmp/Weights-0
80--0.67100.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6780 - accuracy:
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0.5374 - val_loss: 0.6710 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 81/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6800 - accuracy: 0.5094
Epoch 81: val_loss did not improve from 0.67100
11/11 [=====] - 0s 11ms/step - loss: 0.6790 - accuracy: 0.5144
0.5144 - val_loss: 0.6735 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 82/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6729 - accuracy: 0.5000
Epoch 82: val_loss improved from 0.67100 to 0.67078, saving model to tmp/Weights-0
82--0.67078.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6774 - accuracy: 0.5172
0.5172 - val_loss: 0.6708 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 83/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6529 - accuracy: 0.6562
Epoch 83: val_loss did not improve from 0.67078
11/11 [=====] - 0s 8ms/step - loss: 0.6762 - accuracy: 0.5144
0.5144 - val_loss: 0.6725 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 84/1000
9/11 [=====>....] - ETA: 0s - loss: 0.6725 - accuracy: 0.5208
Epoch 84: val_loss improved from 0.67078 to 0.67055, saving model to tmp/Weights-0
84--0.67055.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6748 - accuracy: 0.5201
0.5201 - val_loss: 0.6705 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 85/1000
11/11 [=====] - ETA: 0s - loss: 0.6750 - accuracy: 0.5201
Epoch 85: val_loss did not improve from 0.67055
11/11 [=====] - 0s 9ms/step - loss: 0.6750 - accuracy: 0.5201
0.5201 - val_loss: 0.6712 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 86/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6555 - accuracy: 0.5312
Epoch 86: val_loss improved from 0.67055 to 0.66874, saving model to tmp/Weights-0
86--0.66874.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6750 - accuracy: 0.5201
0.5201 - val_loss: 0.6687 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 87/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6690 - accuracy: 0.5000
Epoch 87: val_loss did not improve from 0.66874
11/11 [=====] - 0s 9ms/step - loss: 0.6756 - accuracy: 0.5402
0.5402 - val_loss: 0.6714 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 88/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6634 - accuracy: 0.5938
Epoch 88: val_loss did not improve from 0.66874
11/11 [=====] - 0s 8ms/step - loss: 0.6750 - accuracy: 0.5460
0.5460 - val_loss: 0.6710 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 89/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6779 - accuracy: 0.4688
Epoch 89: val_loss improved from 0.66874 to 0.66851, saving model to tmp/Weights-0
89--0.66851.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6745 - accuracy: 0.5316
0.5316 - val_loss: 0.6685 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 90/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6160 - accuracy: 0.7188
Epoch 90: val_loss did not improve from 0.66851
11/11 [=====] - 0s 8ms/step - loss: 0.6837 - accuracy: 0.5517
0.5517 - val_loss: 0.6730 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 91/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6553 - accuracy: 0.6250
Epoch 91: val_loss did not improve from 0.66851
11/11 [=====] - 0s 8ms/step - loss: 0.6810 - accuracy: 0.5259
0.5259 - val_loss: 0.6745 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 92/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6572 - accuracy: 0.5625
Epoch 92: val_loss improved from 0.66851 to 0.66794, saving model to tmp/Weights-0
92--0.66794.hdf5
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11/11 [=====] - 0s 10ms/step - loss: 0.6769 - accuracy: 0.5172 - val_loss: 0.6679 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 93/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7036 - accuracy: 0.4375
Epoch 93: val_loss did not improve from 0.66794
11/11 [=====] - 0s 8ms/step - loss: 0.6786 - accuracy: 0.5431 - val_loss: 0.6718 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 94/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6919 - accuracy: 0.4062
Epoch 94: val_loss did not improve from 0.66794
11/11 [=====] - 0s 9ms/step - loss: 0.6764 - accuracy: 0.5201 - val_loss: 0.6700 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 95/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6701 - accuracy: 0.6250
Epoch 95: val_loss did not improve from 0.66794
11/11 [=====] - 0s 9ms/step - loss: 0.6724 - accuracy: 0.5287 - val_loss: 0.6683 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 96/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6719 - accuracy: 0.5188
Epoch 96: val_loss did not improve from 0.66794
11/11 [=====] - 0s 10ms/step - loss: 0.6726 - accuracy: 0.5172 - val_loss: 0.6682 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 97/1000
11/11 [=====] - ETA: 0s - loss: 0.6706 - accuracy: 0.5259
Epoch 97: val_loss improved from 0.66794 to 0.66668, saving model to tmp/Weights-097--0.66668.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6706 - accuracy: 0.5259 - val_loss: 0.6667 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 98/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6947 - accuracy: 0.4375
Epoch 98: val_loss did not improve from 0.66668
11/11 [=====] - 0s 9ms/step - loss: 0.6712 - accuracy: 0.5230 - val_loss: 0.6689 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 99/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6729 - accuracy: 0.5500
Epoch 99: val_loss improved from 0.66668 to 0.66615, saving model to tmp/Weights-099--0.66615.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6739 - accuracy: 0.5517 - val_loss: 0.6661 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 100/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7010 - accuracy: 0.4688
Epoch 100: val_loss improved from 0.66615 to 0.66540, saving model to tmp/Weights-100--0.66540.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6727 - accuracy: 0.5575 - val_loss: 0.6654 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 101/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6727 - accuracy: 0.5125
Epoch 101: val_loss did not improve from 0.66540
11/11 [=====] - 0s 10ms/step - loss: 0.6704 - accuracy: 0.5230 - val_loss: 0.6688 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 102/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6603 - accuracy: 0.5312
Epoch 102: val_loss improved from 0.66540 to 0.66468, saving model to tmp/Weights-102--0.66468.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6720 - accuracy: 0.5230 - val_loss: 0.6647 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 103/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6867 - accuracy: 0.4375
Epoch 103: val_loss did not improve from 0.66468
11/11 [=====] - 0s 9ms/step - loss: 0.6732 - accuracy: 0.5489 - val_loss: 0.6661 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 104/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6479 - accuracy: 0.6250
Epoch 104: val_loss improved from 0.66468 to 0.66429, saving model to tmp/Weights-
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104--0.66429.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6689 - accuracy: 0.5632 - val_loss: 0.6643 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 105/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6355 - accuracy: 0.5938
Epoch 105: val_loss did not improve from 0.66429
11/11 [=====] - 0s 10ms/step - loss: 0.6691 - accuracy: 0.5374 - val_loss: 0.6662 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 106/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6678 - accuracy: 0.5406
Epoch 106: val_loss improved from 0.66429 to 0.66416, saving model to tmp/Weights-106--0.66416.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6711 - accuracy: 0.5345 - val_loss: 0.6642 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 107/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6824 - accuracy: 0.4375
Epoch 107: val_loss did not improve from 0.66416
11/11 [=====] - 0s 7ms/step - loss: 0.6702 - accuracy: 0.5086 - val_loss: 0.6650 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 108/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6219 - accuracy: 0.7188
Epoch 108: val_loss improved from 0.66416 to 0.66294, saving model to tmp/Weights-108--0.66294.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6671 - accuracy: 0.5374 - val_loss: 0.6629 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 109/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6238 - accuracy: 0.6875
Epoch 109: val_loss did not improve from 0.66294
11/11 [=====] - 0s 8ms/step - loss: 0.6676 - accuracy: 0.5316 - val_loss: 0.6657 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 110/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6915 - accuracy: 0.5625
Epoch 110: val_loss improved from 0.66294 to 0.66031, saving model to tmp/Weights-110--0.66031.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6673 - accuracy: 0.5374 - val_loss: 0.6603 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 111/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6851 - accuracy: 0.5625
Epoch 111: val_loss did not improve from 0.66031
11/11 [=====] - 0s 8ms/step - loss: 0.6681 - accuracy: 0.5345 - val_loss: 0.6667 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 112/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6438 - accuracy: 0.6562
Epoch 112: val_loss did not improve from 0.66031
11/11 [=====] - 0s 8ms/step - loss: 0.6694 - accuracy: 0.5690 - val_loss: 0.6605 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 113/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6868 - accuracy: 0.4688
Epoch 113: val_loss did not improve from 0.66031
11/11 [=====] - 0s 9ms/step - loss: 0.6717 - accuracy: 0.5259 - val_loss: 0.6685 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 114/1000
11/11 [=====] - ETA: 0s - loss: 0.6685 - accuracy: 0.5402
Epoch 114: val_loss did not improve from 0.66031
11/11 [=====] - 0s 10ms/step - loss: 0.6685 - accuracy: 0.5402 - val_loss: 0.6604 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 115/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6362 - accuracy: 0.6562
Epoch 115: val_loss did not improve from 0.66031
11/11 [=====] - 0s 8ms/step - loss: 0.6672 - accuracy: 0.5345 - val_loss: 0.6667 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 116/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6671 - accuracy: 0.6562
Epoch 116: val_loss did not improve from 0.66031
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11/11 [=====] - 0s 7ms/step - loss: 0.6709 - accuracy: 0.5489 - val_loss: 0.6631 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 117/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6985 - accuracy: 0.3438
Epoch 117: val_loss did not improve from 0.66031
11/11 [=====] - 0s 8ms/step - loss: 0.6694 - accuracy: 0.5230 - val_loss: 0.6635 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 118/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6102 - accuracy: 0.6250
Epoch 118: val_loss did not improve from 0.66031
11/11 [=====] - 0s 9ms/step - loss: 0.6675 - accuracy: 0.5603 - val_loss: 0.6667 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 119/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6609 - accuracy: 0.5938
Epoch 119: val_loss improved from 0.66031 to 0.65850, saving model to tmp/Weights-119--0.65850.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6649 - accuracy: 0.5431 - val_loss: 0.6585 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 120/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6522 - accuracy: 0.5938
Epoch 120: val_loss did not improve from 0.65850
11/11 [=====] - 0s 7ms/step - loss: 0.6652 - accuracy: 0.5230 - val_loss: 0.6598 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 121/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6639 - accuracy: 0.5000
Epoch 121: val_loss did not improve from 0.65850
11/11 [=====] - 0s 8ms/step - loss: 0.6637 - accuracy: 0.5402 - val_loss: 0.6650 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 122/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6397 - accuracy: 0.6562
Epoch 122: val_loss did not improve from 0.65850
11/11 [=====] - 0s 9ms/step - loss: 0.6699 - accuracy: 0.5805 - val_loss: 0.6671 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 123/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6809 - accuracy: 0.5625
Epoch 123: val_loss did not improve from 0.65850
11/11 [=====] - 0s 8ms/step - loss: 0.6659 - accuracy: 0.5374 - val_loss: 0.6605 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 124/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6668 - accuracy: 0.5375
Epoch 124: val_loss did not improve from 0.65850
11/11 [=====] - 0s 10ms/step - loss: 0.6653 - accuracy: 0.5460 - val_loss: 0.6624 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 125/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6409 - accuracy: 0.5625
Epoch 125: val_loss improved from 0.65850 to 0.65790, saving model to tmp/Weights-125--0.65790.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6654 - accuracy: 0.5316 - val_loss: 0.6579 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 126/1000
11/11 [=====] - ETA: 0s - loss: 0.6635 - accuracy: 0.5402
Epoch 126: val_loss improved from 0.65790 to 0.65764, saving model to tmp/Weights-126--0.65764.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6635 - accuracy: 0.5402 - val_loss: 0.6576 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 127/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6720 - accuracy: 0.5625
Epoch 127: val_loss improved from 0.65764 to 0.65543, saving model to tmp/Weights-127--0.65543.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6631 - accuracy: 0.5374 - val_loss: 0.6554 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 128/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6818 - accuracy: 0.4688
Epoch 128: val_loss did not improve from 0.65543
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11/11 [=====] - 0s 10ms/step - loss: 0.6621 - accuracy: 0.5632 - val_loss: 0.6585 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 129/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6526 - accuracy: 0.5938
Epoch 129: val_loss did not improve from 0.65543
11/11 [=====] - 0s 7ms/step - loss: 0.6693 - accuracy: 0.5374 - val_loss: 0.6734 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 130/1000
11/11 [=====] - ETA: 0s - loss: 0.6693 - accuracy: 0.5805
Epoch 130: val_loss did not improve from 0.65543
11/11 [=====] - 0s 10ms/step - loss: 0.6693 - accuracy: 0.5805 - val_loss: 0.6600 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 131/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6684 - accuracy: 0.5719
Epoch 131: val_loss did not improve from 0.65543
11/11 [=====] - 0s 10ms/step - loss: 0.6700 - accuracy: 0.5661 - val_loss: 0.6632 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 132/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6381 - accuracy: 0.5625
Epoch 132: val_loss did not improve from 0.65543
11/11 [=====] - 0s 8ms/step - loss: 0.6684 - accuracy: 0.5345 - val_loss: 0.6643 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 133/1000
11/11 [=====] - ETA: 0s - loss: 0.6641 - accuracy: 0.5316
Epoch 133: val_loss did not improve from 0.65543
11/11 [=====] - 0s 10ms/step - loss: 0.6641 - accuracy: 0.5316 - val_loss: 0.6590 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 134/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6692 - accuracy: 0.5938
Epoch 134: val_loss improved from 0.65543 to 0.65338, saving model to tmp/Weights-134--0.65338.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6617 - accuracy: 0.5374 - val_loss: 0.6534 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 135/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6274 - accuracy: 0.5938
Epoch 135: val_loss did not improve from 0.65338
11/11 [=====] - 0s 9ms/step - loss: 0.6630 - accuracy: 0.5661 - val_loss: 0.6588 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 136/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6615 - accuracy: 0.5625
Epoch 136: val_loss did not improve from 0.65338
11/11 [=====] - 0s 9ms/step - loss: 0.6634 - accuracy: 0.5747 - val_loss: 0.6565 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 137/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6600 - accuracy: 0.5938
Epoch 137: val_loss did not improve from 0.65338
11/11 [=====] - 0s 9ms/step - loss: 0.6614 - accuracy: 0.5833 - val_loss: 0.6548 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 138/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6630 - accuracy: 0.5594
Epoch 138: val_loss did not improve from 0.65338
11/11 [=====] - 0s 11ms/step - loss: 0.6615 - accuracy: 0.5661 - val_loss: 0.6556 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 139/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6599 - accuracy: 0.5719
Epoch 139: val_loss did not improve from 0.65338
11/11 [=====] - 0s 11ms/step - loss: 0.6611 - accuracy: 0.5747 - val_loss: 0.6610 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 140/1000
11/11 [=====] - ETA: 0s - loss: 0.6701 - accuracy: 0.5805
Epoch 140: val_loss did not improve from 0.65338
11/11 [=====] - 0s 11ms/step - loss: 0.6701 - accuracy: 0.5805 - val_loss: 0.6720 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 141/1000
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11/11 [=====] - ETA: 0s - loss: 0.6689 - accuracy: 0.5661
Epoch 141: val_loss did not improve from 0.65338
11/11 [=====] - 0s 10ms/step - loss: 0.6689 - accuracy: 0.5661 - val_loss: 0.6536 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 142/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6649 - accuracy: 0.5750
Epoch 142: val_loss did not improve from 0.65338
11/11 [=====] - 0s 11ms/step - loss: 0.6651 - accuracy: 0.5747 - val_loss: 0.6683 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 143/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6571 - accuracy: 0.5938
Epoch 143: val_loss did not improve from 0.65338
11/11 [=====] - 0s 9ms/step - loss: 0.6601 - accuracy: 0.5920 - val_loss: 0.6565 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 144/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6715 - accuracy: 0.6250
Epoch 144: val_loss did not improve from 0.65338
11/11 [=====] - 0s 9ms/step - loss: 0.6583 - accuracy: 0.5833 - val_loss: 0.6546 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 145/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6565 - accuracy: 0.5875
Epoch 145: val_loss did not improve from 0.65338
11/11 [=====] - 0s 10ms/step - loss: 0.6546 - accuracy: 0.5948 - val_loss: 0.6544 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 146/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6598 - accuracy: 0.6562
Epoch 146: val_loss improved from 0.65338 to 0.65239, saving model to tmp/Weights-146--0.65239.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6533 - accuracy: 0.5891 - val_loss: 0.6524 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 147/1000
11/11 [=====] - ETA: 0s - loss: 0.6566 - accuracy: 0.5718
Epoch 147: val_loss did not improve from 0.65239
11/11 [=====] - 0s 10ms/step - loss: 0.6566 - accuracy: 0.5718 - val_loss: 0.6576 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 148/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6599 - accuracy: 0.5312
Epoch 148: val_loss did not improve from 0.65239
11/11 [=====] - 0s 9ms/step - loss: 0.6538 - accuracy: 0.5891 - val_loss: 0.6553 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 149/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6841 - accuracy: 0.6250
Epoch 149: val_loss did not improve from 0.65239
11/11 [=====] - 0s 8ms/step - loss: 0.6558 - accuracy: 0.5833 - val_loss: 0.6539 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 150/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6253 - accuracy: 0.6250
Epoch 150: val_loss did not improve from 0.65239
11/11 [=====] - 0s 9ms/step - loss: 0.6522 - accuracy: 0.5948 - val_loss: 0.6546 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 151/1000
11/11 [=====] - ETA: 0s - loss: 0.6525 - accuracy: 0.5891
Epoch 151: val_loss did not improve from 0.65239
11/11 [=====] - 0s 11ms/step - loss: 0.6525 - accuracy: 0.5891 - val_loss: 0.6552 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 152/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6958 - accuracy: 0.4375
Epoch 152: val_loss did not improve from 0.65239
11/11 [=====] - 0s 8ms/step - loss: 0.6526 - accuracy: 0.6006 - val_loss: 0.6562 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 153/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6310 - accuracy: 0.6562
Epoch 153: val_loss did not improve from 0.65239
11/11 [=====] - 0s 9ms/step - loss: 0.6505 - accuracy: 0.
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5862 - val_loss: 0.6537 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 154/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6515 - accuracy: 0.6562
Epoch 154: val_loss did not improve from 0.65239
11/11 [=====] - 0s 9ms/step - loss: 0.6534 - accuracy: 0.
5833 - val_loss: 0.6555 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 155/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6791 - accuracy: 0.5312
Epoch 155: val_loss did not improve from 0.65239
11/11 [=====] - 0s 8ms/step - loss: 0.6539 - accuracy: 0.
5920 - val_loss: 0.6547 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 156/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6674 - accuracy: 0.5625
Epoch 156: val_loss did not improve from 0.65239
11/11 [=====] - 0s 7ms/step - loss: 0.6522 - accuracy: 0.
5920 - val_loss: 0.6588 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 157/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6862 - accuracy: 0.5625
Epoch 157: val_loss did not improve from 0.65239
11/11 [=====] - 0s 9ms/step - loss: 0.6583 - accuracy: 0.
5948 - val_loss: 0.6571 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 158/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6057 - accuracy: 0.6875
Epoch 158: val_loss did not improve from 0.65239
11/11 [=====] - 0s 8ms/step - loss: 0.6556 - accuracy: 0.
5833 - val_loss: 0.6603 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 159/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6719 - accuracy: 0.4688
Epoch 159: val_loss did not improve from 0.65239
11/11 [=====] - 0s 7ms/step - loss: 0.6552 - accuracy: 0.
5805 - val_loss: 0.6560 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 160/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5770 - accuracy: 0.7188
Epoch 160: val_loss did not improve from 0.65239
11/11 [=====] - 0s 9ms/step - loss: 0.6513 - accuracy: 0.
6034 - val_loss: 0.6568 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 161/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6443 - accuracy: 0.6250
Epoch 161: val_loss did not improve from 0.65239
11/11 [=====] - 0s 10ms/step - loss: 0.6512 - accuracy: 0.
5977 - val_loss: 0.6561 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 162/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6329 - accuracy: 0.6250
Epoch 162: val_loss did not improve from 0.65239
11/11 [=====] - 0s 8ms/step - loss: 0.6515 - accuracy: 0.
5833 - val_loss: 0.6551 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 163/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6634 - accuracy: 0.6250
Epoch 163: val_loss did not improve from 0.65239
11/11 [=====] - 0s 9ms/step - loss: 0.6503 - accuracy: 0.
6034 - val_loss: 0.6553 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 164/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6510 - accuracy: 0.5781
Epoch 164: val_loss improved from 0.65239 to 0.64997, saving model to tmp/Weights-164--0.64997.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6502 - accuracy: 0.
5805 - val_loss: 0.6500 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 165/1000
11/11 [=====] - ETA: 0s - loss: 0.6494 - accuracy: 0.5833
Epoch 165: val_loss did not improve from 0.64997
11/11 [=====] - 0s 10ms/step - loss: 0.6494 - accuracy: 0.
5833 - val_loss: 0.6528 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 166/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6489 - accuracy: 0.5625
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Epoch 166: val_loss did not improve from 0.64997
11/11 [=====] - 0s 9ms/step - loss: 0.6493 - accuracy: 0.
5977 - val_loss: 0.6538 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 167/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6272 - accuracy: 0.6250
Epoch 167: val_loss did not improve from 0.64997
11/11 [=====] - 0s 9ms/step - loss: 0.6481 - accuracy: 0.
6006 - val_loss: 0.6566 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 168/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6485 - accuracy: 0.6031
Epoch 168: val_loss did not improve from 0.64997
11/11 [=====] - 0s 10ms/step - loss: 0.6478 - accuracy:
0.5948 - val_loss: 0.6545 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 169/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6688 - accuracy: 0.5938
Epoch 169: val_loss did not improve from 0.64997
11/11 [=====] - 0s 9ms/step - loss: 0.6474 - accuracy: 0.
5891 - val_loss: 0.6544 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 170/1000
11/11 [=====] - ETA: 0s - loss: 0.6476 - accuracy: 0.5920
Epoch 170: val_loss did not improve from 0.64997
11/11 [=====] - 0s 10ms/step - loss: 0.6476 - accuracy:
0.5920 - val_loss: 0.6539 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 171/1000
11/11 [=====] - ETA: 0s - loss: 0.6481 - accuracy: 0.5977
Epoch 171: val_loss did not improve from 0.64997
11/11 [=====] - 0s 10ms/step - loss: 0.6481 - accuracy:
0.5977 - val_loss: 0.6550 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 172/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6594 - accuracy: 0.5625
Epoch 172: val_loss improved from 0.64997 to 0.64972, saving model to tmp/Weights-172--0.64972.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6503 - accuracy:
0.5690 - val_loss: 0.6497 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 173/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6598 - accuracy: 0.5938
Epoch 173: val_loss did not improve from 0.64972
11/11 [=====] - 0s 7ms/step - loss: 0.6471 - accuracy: 0.
5891 - val_loss: 0.6543 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 174/1000
11/11 [=====] - ETA: 0s - loss: 0.6471 - accuracy: 0.5920
Epoch 174: val_loss did not improve from 0.64972
11/11 [=====] - 0s 10ms/step - loss: 0.6471 - accuracy:
0.5920 - val_loss: 0.6504 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 175/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6838 - accuracy: 0.4375
Epoch 175: val_loss did not improve from 0.64972
11/11 [=====] - 0s 8ms/step - loss: 0.6475 - accuracy: 0.
5920 - val_loss: 0.6527 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 176/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6486 - accuracy: 0.6250
Epoch 176: val_loss did not improve from 0.64972
11/11 [=====] - 0s 9ms/step - loss: 0.6474 - accuracy: 0.
5977 - val_loss: 0.6550 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 177/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6639 - accuracy: 0.5625
Epoch 177: val_loss did not improve from 0.64972
11/11 [=====] - 0s 9ms/step - loss: 0.6467 - accuracy: 0.
5948 - val_loss: 0.6541 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 178/1000
9/11 [=====>....] - ETA: 0s - loss: 0.6401 - accuracy: 0.5833
Epoch 178: val_loss improved from 0.64972 to 0.64943, saving model to tmp/Weights-178--0.64943.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6468 - accuracy:
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0.5948 - val_loss: 0.6494 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 179/1000
11/11 [=====] - ETA: 0s - loss: 0.6461 - accuracy: 0.5920
Epoch 179: val_loss improved from 0.64943 to 0.64736, saving model to tmp/Weights-179--0.64736.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6461 - accuracy: 0.5920
0.5920 - val_loss: 0.6474 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 180/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6010 - accuracy: 0.6875
Epoch 180: val_loss did not improve from 0.64736
11/11 [=====] - 0s 8ms/step - loss: 0.6471 - accuracy: 0.5948 - val_loss: 0.6577 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 181/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6732 - accuracy: 0.6875
Epoch 181: val_loss did not improve from 0.64736
11/11 [=====] - 0s 7ms/step - loss: 0.6469 - accuracy: 0.6006 - val_loss: 0.6576 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 182/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6405 - accuracy: 0.6031
Epoch 182: val_loss did not improve from 0.64736
11/11 [=====] - 0s 10ms/step - loss: 0.6463 - accuracy: 0.5948 - val_loss: 0.6572 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 183/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7032 - accuracy: 0.4688
Epoch 183: val_loss did not improve from 0.64736
11/11 [=====] - 0s 8ms/step - loss: 0.6467 - accuracy: 0.5977 - val_loss: 0.6532 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 184/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6837 - accuracy: 0.5625
Epoch 184: val_loss improved from 0.64736 to 0.64293, saving model to tmp/Weights-184--0.64293.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6485 - accuracy: 0.5862 - val_loss: 0.6429 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 185/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6779 - accuracy: 0.5312
Epoch 185: val_loss did not improve from 0.64293
11/11 [=====] - 0s 8ms/step - loss: 0.6478 - accuracy: 0.5891 - val_loss: 0.6574 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 186/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7093 - accuracy: 0.4062
Epoch 186: val_loss did not improve from 0.64293
11/11 [=====] - 0s 8ms/step - loss: 0.6459 - accuracy: 0.5948 - val_loss: 0.6525 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 187/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6516 - accuracy: 0.5750
Epoch 187: val_loss did not improve from 0.64293
11/11 [=====] - 0s 10ms/step - loss: 0.6461 - accuracy: 0.5891 - val_loss: 0.6518 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 188/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6430 - accuracy: 0.5969
Epoch 188: val_loss did not improve from 0.64293
11/11 [=====] - 0s 11ms/step - loss: 0.6452 - accuracy: 0.5948 - val_loss: 0.6542 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 189/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6111 - accuracy: 0.7188
Epoch 189: val_loss did not improve from 0.64293
11/11 [=====] - 0s 8ms/step - loss: 0.6470 - accuracy: 0.5920 - val_loss: 0.6523 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 190/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6490 - accuracy: 0.6875
Epoch 190: val_loss did not improve from 0.64293
11/11 [=====] - 0s 8ms/step - loss: 0.6529 - accuracy: 0.5805 - val_loss: 0.6625 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 191/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6978 - accuracy: 0.5938
Epoch 191: val_loss improved from 0.64293 to 0.64252, saving model to tmp/Weights-191--0.64252.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6493 - accuracy: 0.5862 - val_loss: 0.6425 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 192/1000
11/11 [=====] - ETA: 0s - loss: 0.6467 - accuracy: 0.5747
Epoch 192: val_loss did not improve from 0.64252
11/11 [=====] - 0s 10ms/step - loss: 0.6467 - accuracy: 0.5747 - val_loss: 0.6525 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 193/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6696 - accuracy: 0.5312
Epoch 193: val_loss did not improve from 0.64252
11/11 [=====] - 0s 8ms/step - loss: 0.6463 - accuracy: 0.6006 - val_loss: 0.6577 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 194/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6948 - accuracy: 0.5625
Epoch 194: val_loss did not improve from 0.64252
11/11 [=====] - 0s 9ms/step - loss: 0.6458 - accuracy: 0.5920 - val_loss: 0.6488 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 195/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6613 - accuracy: 0.5312
Epoch 195: val_loss did not improve from 0.64252
11/11 [=====] - 0s 9ms/step - loss: 0.6428 - accuracy: 0.5920 - val_loss: 0.6527 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 196/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7164 - accuracy: 0.4375
Epoch 196: val_loss did not improve from 0.64252
11/11 [=====] - 0s 8ms/step - loss: 0.6435 - accuracy: 0.5920 - val_loss: 0.6521 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 197/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6928 - accuracy: 0.5000
Epoch 197: val_loss did not improve from 0.64252
11/11 [=====] - 0s 9ms/step - loss: 0.6532 - accuracy: 0.5920 - val_loss: 0.6647 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 198/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6629 - accuracy: 0.4375
Epoch 198: val_loss did not improve from 0.64252
11/11 [=====] - 0s 8ms/step - loss: 0.6487 - accuracy: 0.5920 - val_loss: 0.6519 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 199/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6499 - accuracy: 0.5844
Epoch 199: val_loss did not improve from 0.64252
11/11 [=====] - 0s 11ms/step - loss: 0.6457 - accuracy: 0.5948 - val_loss: 0.6506 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 200/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6326 - accuracy: 0.6250
Epoch 200: val_loss did not improve from 0.64252
11/11 [=====] - 0s 9ms/step - loss: 0.6431 - accuracy: 0.6006 - val_loss: 0.6545 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 201/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6150 - accuracy: 0.6875
Epoch 201: val_loss did not improve from 0.64252
11/11 [=====] - 0s 9ms/step - loss: 0.6445 - accuracy: 0.5920 - val_loss: 0.6455 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 202/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6655 - accuracy: 0.5625
Epoch 202: val_loss did not improve from 0.64252
11/11 [=====] - 0s 10ms/step - loss: 0.6484 - accuracy: 0.5718 - val_loss: 0.6495 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 203/1000
11/11 [=====] - ETA: 0s - loss: 0.6428 - accuracy: 0.5977
Epoch 203: val_loss did not improve from 0.64252
11/11 [=====] - 0s 10ms/step - loss: 0.6428 - accuracy:
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0.5977 - val_loss: 0.6509 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 204/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6412 - accuracy: 0.6062
Epoch 204: val_loss did not improve from 0.64252
11/11 [=====] - 0s 11ms/step - loss: 0.6455 - accuracy: 0.5977 - val_loss: 0.6533 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 205/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6306 - accuracy: 0.7188
Epoch 205: val_loss did not improve from 0.64252
11/11 [=====] - 0s 9ms/step - loss: 0.6431 - accuracy: 0.6063 - val_loss: 0.6488 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 206/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5576 - accuracy: 0.7188
Epoch 206: val_loss did not improve from 0.64252
11/11 [=====] - 0s 10ms/step - loss: 0.6444 - accuracy: 0.5920 - val_loss: 0.6507 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 207/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6750 - accuracy: 0.5000
Epoch 207: val_loss did not improve from 0.64252
11/11 [=====] - 0s 9ms/step - loss: 0.6438 - accuracy: 0.5948 - val_loss: 0.6453 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 208/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6516 - accuracy: 0.6562
Epoch 208: val_loss did not improve from 0.64252
11/11 [=====] - 0s 9ms/step - loss: 0.6442 - accuracy: 0.5891 - val_loss: 0.6487 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 209/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6316 - accuracy: 0.7188
Epoch 209: val_loss did not improve from 0.64252
11/11 [=====] - 0s 8ms/step - loss: 0.6415 - accuracy: 0.6006 - val_loss: 0.6517 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 210/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6355 - accuracy: 0.6219
Epoch 210: val_loss did not improve from 0.64252
11/11 [=====] - 0s 12ms/step - loss: 0.6409 - accuracy: 0.6063 - val_loss: 0.6495 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 211/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5806 - accuracy: 0.7500
Epoch 211: val_loss did not improve from 0.64252
11/11 [=====] - 0s 8ms/step - loss: 0.6433 - accuracy: 0.5891 - val_loss: 0.6492 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 212/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6488 - accuracy: 0.6562
Epoch 212: val_loss did not improve from 0.64252
11/11 [=====] - 0s 8ms/step - loss: 0.6416 - accuracy: 0.5977 - val_loss: 0.6451 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 213/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6670 - accuracy: 0.5312
Epoch 213: val_loss did not improve from 0.64252
11/11 [=====] - 0s 9ms/step - loss: 0.6402 - accuracy: 0.5977 - val_loss: 0.6519 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 214/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5645 - accuracy: 0.6562
Epoch 214: val_loss did not improve from 0.64252
11/11 [=====] - 0s 8ms/step - loss: 0.6401 - accuracy: 0.5891 - val_loss: 0.6429 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 215/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6264 - accuracy: 0.6562
Epoch 215: val_loss did not improve from 0.64252
11/11 [=====] - 0s 9ms/step - loss: 0.6401 - accuracy: 0.5920 - val_loss: 0.6564 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 216/1000
11/11 [=====] - ETA: 0s - loss: 0.6414 - accuracy: 0.6006
Epoch 216: val_loss did not improve from 0.64252
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11/11 [=====] - 0s 9ms/step - loss: 0.6414 - accuracy: 0.  
6006 - val_loss: 0.6429 - val_accuracy: 0.5600 - lr: 0.0090  
Epoch 217/1000  
10/11 [=====>...] - ETA: 0s - loss: 0.6377 - accuracy: 0.5844  
Epoch 217: val_loss did not improve from 0.64252  
11/11 [=====] - 0s 11ms/step - loss: 0.6410 - accuracy:  
0.5920 - val_loss: 0.6561 - val_accuracy: 0.5533 - lr: 0.0090  
Epoch 218/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6583 - accuracy: 0.5625  
Epoch 218: val_loss improved from 0.64252 to 0.64138, saving model to tmp/Weights-  
218--0.64138.hdf5  
11/11 [=====] - 0s 11ms/step - loss: 0.6404 - accuracy:  
0.5891 - val_loss: 0.6414 - val_accuracy: 0.5533 - lr: 0.0090  
Epoch 219/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6791 - accuracy: 0.5000  
Epoch 219: val_loss did not improve from 0.64138  
11/11 [=====] - 0s 8ms/step - loss: 0.6442 - accuracy: 0.  
5776 - val_loss: 0.6486 - val_accuracy: 0.5600 - lr: 0.0090  
Epoch 220/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6835 - accuracy: 0.5312  
Epoch 220: val_loss did not improve from 0.64138  
11/11 [=====] - 0s 9ms/step - loss: 0.6440 - accuracy: 0.  
5862 - val_loss: 0.6512 - val_accuracy: 0.5600 - lr: 0.0090  
Epoch 221/1000  
10/11 [=====>...] - ETA: 0s - loss: 0.6461 - accuracy: 0.5844  
Epoch 221: val_loss did not improve from 0.64138  
11/11 [=====] - 0s 11ms/step - loss: 0.6445 - accuracy:  
0.5948 - val_loss: 0.6463 - val_accuracy: 0.5533 - lr: 0.0090  
Epoch 222/1000  
11/11 [=====] - ETA: 0s - loss: 0.6384 - accuracy: 0.6006  
Epoch 222: val_loss did not improve from 0.64138  
11/11 [=====] - 0s 10ms/step - loss: 0.6384 - accuracy:  
0.6006 - val_loss: 0.6511 - val_accuracy: 0.5533 - lr: 0.0090  
Epoch 223/1000  
11/11 [=====] - ETA: 0s - loss: 0.6383 - accuracy: 0.6063  
Epoch 223: val_loss did not improve from 0.64138  
11/11 [=====] - 0s 11ms/step - loss: 0.6383 - accuracy:  
0.6063 - val_loss: 0.6453 - val_accuracy: 0.5467 - lr: 0.0090  
Epoch 224/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6906 - accuracy: 0.5312  
Epoch 224: val_loss did not improve from 0.64138  
11/11 [=====] - 0s 7ms/step - loss: 0.6418 - accuracy: 0.  
5833 - val_loss: 0.6438 - val_accuracy: 0.5600 - lr: 0.0090  
Epoch 225/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6759 - accuracy: 0.5312  
Epoch 225: val_loss did not improve from 0.64138  
11/11 [=====] - 0s 8ms/step - loss: 0.6362 - accuracy: 0.  
5977 - val_loss: 0.6476 - val_accuracy: 0.5467 - lr: 0.0090  
Epoch 226/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5983 - accuracy: 0.6250  
Epoch 226: val_loss did not improve from 0.64138  
11/11 [=====] - 0s 10ms/step - loss: 0.6399 - accuracy:  
0.5977 - val_loss: 0.6502 - val_accuracy: 0.5600 - lr: 0.0090  
Epoch 227/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6154 - accuracy: 0.5938  
Epoch 227: val_loss did not improve from 0.64138  
11/11 [=====] - 0s 7ms/step - loss: 0.6379 - accuracy: 0.  
6006 - val_loss: 0.6462 - val_accuracy: 0.5533 - lr: 0.0090  
Epoch 228/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5982 - accuracy: 0.6562  
Epoch 228: val_loss did not improve from 0.64138  
11/11 [=====] - 0s 9ms/step - loss: 0.6415 - accuracy: 0.  
6063 - val_loss: 0.6509 - val_accuracy: 0.5533 - lr: 0.0090  
Epoch 229/1000
```

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1/11 [=>.....] - ETA: 0s - loss: 0.6882 - accuracy: 0.5000
Epoch 229: val_loss improved from 0.64138 to 0.63647, saving model to tmp/Weights-229--0.63647.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6341 - accuracy: 0.6006 - val_loss: 0.6365 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 230/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6801 - accuracy: 0.4688
Epoch 230: val_loss did not improve from 0.63647
11/11 [=====] - 0s 9ms/step - loss: 0.6368 - accuracy: 0.5948 - val_loss: 0.6439 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 231/1000
11/11 [=====] - ETA: 0s - loss: 0.6344 - accuracy: 0.6006
Epoch 231: val_loss did not improve from 0.63647
11/11 [=====] - 0s 10ms/step - loss: 0.6344 - accuracy: 0.6006 - val_loss: 0.6414 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 232/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6547 - accuracy: 0.5938
Epoch 232: val_loss did not improve from 0.63647
11/11 [=====] - 0s 10ms/step - loss: 0.6325 - accuracy: 0.6006 - val_loss: 0.6465 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 233/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6137 - accuracy: 0.5938
Epoch 233: val_loss did not improve from 0.63647
11/11 [=====] - 0s 9ms/step - loss: 0.6319 - accuracy: 0.6063 - val_loss: 0.6391 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 234/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5757 - accuracy: 0.6875
Epoch 234: val_loss did not improve from 0.63647
11/11 [=====] - 0s 9ms/step - loss: 0.6309 - accuracy: 0.6006 - val_loss: 0.6376 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 235/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6466 - accuracy: 0.5938
Epoch 235: val_loss did not improve from 0.63647
11/11 [=====] - 0s 8ms/step - loss: 0.6311 - accuracy: 0.6063 - val_loss: 0.6384 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 236/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6689 - accuracy: 0.5938
Epoch 236: val_loss did not improve from 0.63647
11/11 [=====] - 0s 13ms/step - loss: 0.6311 - accuracy: 0.6063 - val_loss: 0.6421 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 237/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6020 - accuracy: 0.7500
Epoch 237: val_loss did not improve from 0.63647
11/11 [=====] - 0s 9ms/step - loss: 0.6320 - accuracy: 0.6063 - val_loss: 0.6396 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 238/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6145 - accuracy: 0.5938
Epoch 238: val_loss improved from 0.63647 to 0.63606, saving model to tmp/Weights-238--0.63606.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6302 - accuracy: 0.5920 - val_loss: 0.6361 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 239/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6314 - accuracy: 0.5312
Epoch 239: val_loss did not improve from 0.63606
11/11 [=====] - 0s 9ms/step - loss: 0.6319 - accuracy: 0.6063 - val_loss: 0.6430 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 240/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6585 - accuracy: 0.4688
Epoch 240: val_loss did not improve from 0.63606
11/11 [=====] - 0s 8ms/step - loss: 0.6359 - accuracy: 0.6034 - val_loss: 0.6393 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 241/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6440 - accuracy: 0.5938
Epoch 241: val_loss did not improve from 0.63606
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11/11 [=====] - 0s 9ms/step - loss: 0.6335 - accuracy: 0.5948 - val_loss: 0.6401 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 242/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6389 - accuracy: 0.6250
Epoch 242: val_loss did not improve from 0.63606
11/11 [=====] - 0s 8ms/step - loss: 0.6332 - accuracy: 0.6006 - val_loss: 0.6488 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 243/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6341 - accuracy: 0.5312
Epoch 243: val_loss did not improve from 0.63606
11/11 [=====] - 0s 9ms/step - loss: 0.6330 - accuracy: 0.5977 - val_loss: 0.6391 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 244/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6537 - accuracy: 0.4688
Epoch 244: val_loss improved from 0.63606 to 0.63132, saving model to tmp/Weights-244--0.63132.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6291 - accuracy: 0.5920 - val_loss: 0.6313 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 245/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6286 - accuracy: 0.6250
Epoch 245: val_loss did not improve from 0.63132
11/11 [=====] - 0s 9ms/step - loss: 0.6294 - accuracy: 0.6006 - val_loss: 0.6327 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 246/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6202 - accuracy: 0.5312
Epoch 246: val_loss improved from 0.63132 to 0.62823, saving model to tmp/Weights-246--0.62823.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6268 - accuracy: 0.6034 - val_loss: 0.6282 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 247/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5888 - accuracy: 0.6250
Epoch 247: val_loss did not improve from 0.62823
11/11 [=====] - 0s 9ms/step - loss: 0.6270 - accuracy: 0.6034 - val_loss: 0.6391 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 248/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6655 - accuracy: 0.4688
Epoch 248: val_loss did not improve from 0.62823
11/11 [=====] - 0s 8ms/step - loss: 0.6319 - accuracy: 0.5977 - val_loss: 0.6426 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 249/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6342 - accuracy: 0.6250
Epoch 249: val_loss did not improve from 0.62823
11/11 [=====] - 0s 8ms/step - loss: 0.6328 - accuracy: 0.6006 - val_loss: 0.6489 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 250/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6328 - accuracy: 0.6000
Epoch 250: val_loss improved from 0.62823 to 0.62642, saving model to tmp/Weights-250--0.62642.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6341 - accuracy: 0.5977 - val_loss: 0.6264 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 251/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6935 - accuracy: 0.5000
Epoch 251: val_loss did not improve from 0.62642
11/11 [=====] - 0s 8ms/step - loss: 0.6323 - accuracy: 0.6006 - val_loss: 0.6395 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 252/1000
11/11 [=====] - ETA: 0s - loss: 0.6321 - accuracy: 0.5948
Epoch 252: val_loss did not improve from 0.62642
11/11 [=====] - 0s 11ms/step - loss: 0.6321 - accuracy: 0.5948 - val_loss: 0.6322 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 253/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6433 - accuracy: 0.5938
Epoch 253: val_loss did not improve from 0.62642
11/11 [=====] - 0s 9ms/step - loss: 0.6311 - accuracy: 0.
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6092 - val_loss: 0.6389 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 254/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6285 - accuracy: 0.6000
Epoch 254: val_loss did not improve from 0.62642
11/11 [=====] - 0s 10ms/step - loss: 0.6280 - accuracy: 0.6034 - val_loss: 0.6314 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 255/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5733 - accuracy: 0.6875
Epoch 255: val_loss did not improve from 0.62642
11/11 [=====] - 0s 9ms/step - loss: 0.6281 - accuracy: 0.5977 - val_loss: 0.6306 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 256/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5935 - accuracy: 0.5000
Epoch 256: val_loss improved from 0.62642 to 0.62585, saving model to tmp/Weights-256--0.62585.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6224 - accuracy: 0.6092 - val_loss: 0.6258 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 257/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5969 - accuracy: 0.6562
Epoch 257: val_loss did not improve from 0.62585
11/11 [=====] - 0s 7ms/step - loss: 0.6227 - accuracy: 0.6178 - val_loss: 0.6334 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 258/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6641 - accuracy: 0.6250
Epoch 258: val_loss improved from 0.62585 to 0.62113, saving model to tmp/Weights-258--0.62113.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6261 - accuracy: 0.6092 - val_loss: 0.6211 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 259/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5890 - accuracy: 0.5312
Epoch 259: val_loss did not improve from 0.62113
11/11 [=====] - 0s 9ms/step - loss: 0.6188 - accuracy: 0.6063 - val_loss: 0.6249 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 260/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5503 - accuracy: 0.7188
Epoch 260: val_loss did not improve from 0.62113
11/11 [=====] - 0s 9ms/step - loss: 0.6225 - accuracy: 0.6063 - val_loss: 0.6421 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 261/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6348 - accuracy: 0.5938
Epoch 261: val_loss improved from 0.62113 to 0.61915, saving model to tmp/Weights-261--0.61915.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6241 - accuracy: 0.6149 - val_loss: 0.6192 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 262/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6786 - accuracy: 0.5312
Epoch 262: val_loss improved from 0.61915 to 0.61719, saving model to tmp/Weights-262--0.61719.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6209 - accuracy: 0.6121 - val_loss: 0.6172 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 263/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6513 - accuracy: 0.4688
Epoch 263: val_loss did not improve from 0.61719
11/11 [=====] - 0s 8ms/step - loss: 0.6274 - accuracy: 0.6034 - val_loss: 0.6348 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 264/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6605 - accuracy: 0.5312
Epoch 264: val_loss did not improve from 0.61719
11/11 [=====] - 0s 8ms/step - loss: 0.6207 - accuracy: 0.6063 - val_loss: 0.6247 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 265/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6619 - accuracy: 0.5625
Epoch 265: val_loss did not improve from 0.61719
11/11 [=====] - 0s 8ms/step - loss: 0.6211 - accuracy: 0.
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6178 - val_loss: 0.6199 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 266/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5914 - accuracy: 0.6250
Epoch 266: val_loss did not improve from 0.61719
11/11 [=====] - 0s 9ms/step - loss: 0.6190 - accuracy: 0.
6063 - val_loss: 0.6337 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 267/1000
11/11 [=====] - ETA: 0s - loss: 0.6193 - accuracy: 0.6121
Epoch 267: val_loss did not improve from 0.61719
11/11 [=====] - 0s 10ms/step - loss: 0.6193 - accuracy:
0.6121 - val_loss: 0.6178 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 268/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6724 - accuracy: 0.4375
Epoch 268: val_loss did not improve from 0.61719
11/11 [=====] - 0s 8ms/step - loss: 0.6183 - accuracy: 0.
5920 - val_loss: 0.6345 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 269/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6247 - accuracy: 0.5312
Epoch 269: val_loss did not improve from 0.61719
11/11 [=====] - 0s 8ms/step - loss: 0.6161 - accuracy: 0.
6092 - val_loss: 0.6257 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 270/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6090 - accuracy: 0.5000
Epoch 270: val_loss improved from 0.61719 to 0.61269, saving model to tmp/Weights-
270--0.61269.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6281 - accuracy:
0.5891 - val_loss: 0.6127 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 271/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6028 - accuracy: 0.5625
Epoch 271: val_loss did not improve from 0.61269
11/11 [=====] - 0s 8ms/step - loss: 0.6315 - accuracy: 0.
5977 - val_loss: 0.6615 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 272/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6434 - accuracy: 0.5938
Epoch 272: val_loss did not improve from 0.61269
11/11 [=====] - 0s 8ms/step - loss: 0.6251 - accuracy: 0.
6149 - val_loss: 0.6184 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 273/1000
11/11 [=====] - ETA: 0s - loss: 0.6172 - accuracy: 0.6092
Epoch 273: val_loss improved from 0.61269 to 0.60808, saving model to tmp/Weights-
273--0.60808.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6172 - accuracy:
0.6092 - val_loss: 0.6081 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 274/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5976 - accuracy: 0.6250
Epoch 274: val_loss did not improve from 0.60808
11/11 [=====] - 0s 8ms/step - loss: 0.6135 - accuracy: 0.
6063 - val_loss: 0.6104 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 275/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5919 - accuracy: 0.6250
Epoch 275: val_loss did not improve from 0.60808
11/11 [=====] - 0s 8ms/step - loss: 0.6124 - accuracy: 0.
6207 - val_loss: 0.6273 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 276/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6110 - accuracy: 0.6250
Epoch 276: val_loss did not improve from 0.60808
11/11 [=====] - 0s 8ms/step - loss: 0.6174 - accuracy: 0.
6149 - val_loss: 0.6185 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 277/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5925 - accuracy: 0.6875
Epoch 277: val_loss did not improve from 0.60808
11/11 [=====] - 0s 10ms/step - loss: 0.6169 - accuracy:
0.6149 - val_loss: 0.6101 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 278/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6505 - accuracy: 0.4375
Epoch 278: val_loss did not improve from 0.60808
11/11 [=====] - 0s 8ms/step - loss: 0.6156 - accuracy: 0.
6006 - val_loss: 0.6234 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 279/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6453 - accuracy: 0.5625
Epoch 279: val_loss did not improve from 0.60808
11/11 [=====] - 0s 9ms/step - loss: 0.6124 - accuracy: 0.
6178 - val_loss: 0.6119 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 280/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6399 - accuracy: 0.5625
Epoch 280: val_loss did not improve from 0.60808
11/11 [=====] - 0s 9ms/step - loss: 0.6122 - accuracy: 0.
6121 - val_loss: 0.6106 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 281/1000
11/11 [=====] - ETA: 0s - loss: 0.6136 - accuracy: 0.6063
Epoch 281: val_loss did not improve from 0.60808
11/11 [=====] - 0s 11ms/step - loss: 0.6136 - accuracy:
0.6063 - val_loss: 0.6117 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 282/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5922 - accuracy: 0.7188
Epoch 282: val_loss did not improve from 0.60808
11/11 [=====] - 0s 9ms/step - loss: 0.6116 - accuracy: 0.
6149 - val_loss: 0.6152 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 283/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5896 - accuracy: 0.6250
Epoch 283: val_loss did not improve from 0.60808
11/11 [=====] - 0s 9ms/step - loss: 0.6107 - accuracy: 0.
6178 - val_loss: 0.6112 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 284/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5365 - accuracy: 0.8125
Epoch 284: val_loss did not improve from 0.60808
11/11 [=====] - 0s 9ms/step - loss: 0.6107 - accuracy: 0.
6149 - val_loss: 0.6218 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 285/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6240 - accuracy: 0.5625
Epoch 285: val_loss did not improve from 0.60808
11/11 [=====] - 0s 8ms/step - loss: 0.6110 - accuracy: 0.
6149 - val_loss: 0.6183 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 286/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6190 - accuracy: 0.5625
Epoch 286: val_loss did not improve from 0.60808
11/11 [=====] - 0s 8ms/step - loss: 0.6175 - accuracy: 0.
6207 - val_loss: 0.6162 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 287/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6315 - accuracy: 0.6250
Epoch 287: val_loss did not improve from 0.60808
11/11 [=====] - 0s 9ms/step - loss: 0.6133 - accuracy: 0.
6121 - val_loss: 0.6195 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 288/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5853 - accuracy: 0.6562
Epoch 288: val_loss did not improve from 0.60808
11/11 [=====] - 0s 9ms/step - loss: 0.6112 - accuracy: 0.
6264 - val_loss: 0.6097 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 289/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6260 - accuracy: 0.5938
Epoch 289: val_loss did not improve from 0.60808
11/11 [=====] - 0s 9ms/step - loss: 0.6079 - accuracy: 0.
6121 - val_loss: 0.6567 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 290/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6492 - accuracy: 0.6875
Epoch 290: val_loss did not improve from 0.60808
11/11 [=====] - 0s 12ms/step - loss: 0.6521 - accuracy:
0.5747 - val_loss: 0.6670 - val_accuracy: 0.5267 - lr: 0.0090
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Epoch 291/1000
11/11 [=====] - ETA: 0s - loss: 0.6441 - accuracy: 0.5948
Epoch 291: val_loss did not improve from 0.60808
11/11 [=====] - 0s 29ms/step - loss: 0.6441 - accuracy: 0.5948 - val_loss: 0.6576 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 292/1000
8/11 [=====>.....] - ETA: 0s - loss: 0.6271 - accuracy: 0.6016
Epoch 292: val_loss did not improve from 0.60808
11/11 [=====] - 0s 31ms/step - loss: 0.6257 - accuracy: 0.6121 - val_loss: 0.6224 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 293/1000
6/11 [=====>.....] - ETA: 0s - loss: 0.5933 - accuracy: 0.6302
Epoch 293: val_loss did not improve from 0.60808
11/11 [=====] - 0s 21ms/step - loss: 0.6532 - accuracy: 0.5747 - val_loss: 0.6274 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 294/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6277 - accuracy: 0.6031
Epoch 294: val_loss did not improve from 0.60808
11/11 [=====] - 0s 15ms/step - loss: 0.6257 - accuracy: 0.6034 - val_loss: 0.6174 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 295/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6246 - accuracy: 0.5969
Epoch 295: val_loss did not improve from 0.60808
11/11 [=====] - 0s 12ms/step - loss: 0.6145 - accuracy: 0.6149 - val_loss: 0.6207 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 296/1000
11/11 [=====] - ETA: 0s - loss: 0.6133 - accuracy: 0.6149
Epoch 296: val_loss improved from 0.60808 to 0.60573, saving model to tmp/Weights-296--0.60573.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6133 - accuracy: 0.6149 - val_loss: 0.6057 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 297/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5778 - accuracy: 0.6875
Epoch 297: val_loss did not improve from 0.60573
11/11 [=====] - 0s 8ms/step - loss: 0.6109 - accuracy: 0.6121 - val_loss: 0.6216 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 298/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5885 - accuracy: 0.7188
Epoch 298: val_loss did not improve from 0.60573
11/11 [=====] - 0s 10ms/step - loss: 0.6159 - accuracy: 0.6207 - val_loss: 0.6108 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 299/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6291 - accuracy: 0.5938
Epoch 299: val_loss did not improve from 0.60573
11/11 [=====] - 0s 8ms/step - loss: 0.6031 - accuracy: 0.6207 - val_loss: 0.6136 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 300/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6113 - accuracy: 0.6250
Epoch 300: val_loss did not improve from 0.60573
11/11 [=====] - 0s 8ms/step - loss: 0.6162 - accuracy: 0.6149 - val_loss: 0.6158 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 301/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5243 - accuracy: 0.7500
Epoch 301: val_loss improved from 0.60573 to 0.60570, saving model to tmp/Weights-301--0.60570.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6086 - accuracy: 0.6178 - val_loss: 0.6057 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 302/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6395 - accuracy: 0.5625
Epoch 302: val_loss improved from 0.60570 to 0.60429, saving model to tmp/Weights-302--0.60429.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6101 - accuracy: 0.6178 - val_loss: 0.6043 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 303/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6148 - accuracy: 0.5000
Epoch 303: val_loss did not improve from 0.60429
11/11 [=====] - 0s 8ms/step - loss: 0.6047 - accuracy: 0.
6178 - val_loss: 0.6062 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 304/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5990 - accuracy: 0.6562
Epoch 304: val_loss did not improve from 0.60429
11/11 [=====] - 0s 8ms/step - loss: 0.6029 - accuracy: 0.
6178 - val_loss: 0.6060 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 305/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6016 - accuracy: 0.6219
Epoch 305: val_loss improved from 0.60429 to 0.60077, saving model to tmp/Weights-305--0.60077.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6036 - accuracy:
0.6178 - val_loss: 0.6008 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 306/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6392 - accuracy: 0.5312
Epoch 306: val_loss did not improve from 0.60077
11/11 [=====] - 0s 9ms/step - loss: 0.6017 - accuracy: 0.
6293 - val_loss: 0.6038 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 307/1000
11/11 [=====] - ETA: 0s - loss: 0.6013 - accuracy: 0.6322
Epoch 307: val_loss improved from 0.60077 to 0.59919, saving model to tmp/Weights-307--0.59919.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6013 - accuracy:
0.6322 - val_loss: 0.5992 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 308/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6755 - accuracy: 0.5625
Epoch 308: val_loss did not improve from 0.59919
11/11 [=====] - 0s 8ms/step - loss: 0.6002 - accuracy: 0.
6264 - val_loss: 0.6045 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 309/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5886 - accuracy: 0.7188
Epoch 309: val_loss did not improve from 0.59919
11/11 [=====] - 0s 8ms/step - loss: 0.6031 - accuracy: 0.
6236 - val_loss: 0.6234 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 310/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5632 - accuracy: 0.6875
Epoch 310: val_loss did not improve from 0.59919
11/11 [=====] - 0s 9ms/step - loss: 0.6075 - accuracy: 0.
6236 - val_loss: 0.6033 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 311/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6436 - accuracy: 0.3750
Epoch 311: val_loss did not improve from 0.59919
11/11 [=====] - 0s 9ms/step - loss: 0.6026 - accuracy: 0.
6207 - val_loss: 0.6004 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 312/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5696 - accuracy: 0.6250
Epoch 312: val_loss improved from 0.59919 to 0.59695, saving model to tmp/Weights-312--0.59695.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5990 - accuracy:
0.6351 - val_loss: 0.5970 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 313/1000
11/11 [=====] - ETA: 0s - loss: 0.5980 - accuracy: 0.6351
Epoch 313: val_loss improved from 0.59695 to 0.59607, saving model to tmp/Weights-313--0.59607.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.5980 - accuracy:
0.6351 - val_loss: 0.5961 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 314/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5531 - accuracy: 0.7188
Epoch 314: val_loss did not improve from 0.59607
11/11 [=====] - 0s 9ms/step - loss: 0.5986 - accuracy: 0.
6379 - val_loss: 0.6007 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 315/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6302 - accuracy: 0.6562
Epoch 315: val_loss did not improve from 0.59607
11/11 [=====] - 0s 9ms/step - loss: 0.6019 - accuracy: 0.
6408 - val_loss: 0.6128 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 316/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5659 - accuracy: 0.6562
Epoch 316: val_loss did not improve from 0.59607
11/11 [=====] - 0s 9ms/step - loss: 0.6014 - accuracy: 0.
6351 - val_loss: 0.6063 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 317/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5816 - accuracy: 0.5625
Epoch 317: val_loss did not improve from 0.59607
11/11 [=====] - 0s 8ms/step - loss: 0.6012 - accuracy: 0.
6379 - val_loss: 0.5993 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 318/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5682 - accuracy: 0.7188
Epoch 318: val_loss did not improve from 0.59607
11/11 [=====] - 0s 9ms/step - loss: 0.6008 - accuracy: 0.
6351 - val_loss: 0.6052 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 319/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5351 - accuracy: 0.7812
Epoch 319: val_loss improved from 0.59607 to 0.58848, saving model to tmp/Weights-
319--0.58848.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5970 - accuracy:
0.6437 - val_loss: 0.5885 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 320/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6164 - accuracy: 0.6562
Epoch 320: val_loss did not improve from 0.58848
11/11 [=====] - 0s 7ms/step - loss: 0.5941 - accuracy: 0.
6322 - val_loss: 0.5961 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 321/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6444 - accuracy: 0.4688
Epoch 321: val_loss did not improve from 0.58848
11/11 [=====] - 0s 9ms/step - loss: 0.5948 - accuracy: 0.
6408 - val_loss: 0.5936 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 322/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6521 - accuracy: 0.5938
Epoch 322: val_loss did not improve from 0.58848
11/11 [=====] - 0s 8ms/step - loss: 0.5950 - accuracy: 0.
6408 - val_loss: 0.6033 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 323/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5705 - accuracy: 0.6562
Epoch 323: val_loss improved from 0.58848 to 0.58762, saving model to tmp/Weights-
323--0.58762.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5956 - accuracy:
0.6379 - val_loss: 0.5876 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 324/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5790 - accuracy: 0.6250
Epoch 324: val_loss did not improve from 0.58762
11/11 [=====] - 0s 9ms/step - loss: 0.5919 - accuracy: 0.
6351 - val_loss: 0.5989 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 325/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6251 - accuracy: 0.5625
Epoch 325: val_loss did not improve from 0.58762
11/11 [=====] - 0s 9ms/step - loss: 0.5932 - accuracy: 0.
6408 - val_loss: 0.5949 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 326/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5436 - accuracy: 0.7188
Epoch 326: val_loss did not improve from 0.58762
11/11 [=====] - 0s 9ms/step - loss: 0.5939 - accuracy: 0.
6293 - val_loss: 0.5921 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 327/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6221 - accuracy: 0.5938
Epoch 327: val_loss did not improve from 0.58762
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11/11 [=====] - 0s 8ms/step - loss: 0.5925 - accuracy: 0.  
6351 - val_loss: 0.5931 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 328/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6054 - accuracy: 0.5625  
Epoch 328: val_loss did not improve from 0.58762  
11/11 [=====] - 0s 8ms/step - loss: 0.5940 - accuracy: 0.  
6437 - val_loss: 0.5877 - val_accuracy: 0.6400 - lr: 0.0090  
Epoch 329/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5897 - accuracy: 0.6562  
Epoch 329: val_loss did not improve from 0.58762  
11/11 [=====] - 0s 10ms/step - loss: 0.5913 - accuracy:  
0.6408 - val_loss: 0.5901 - val_accuracy: 0.6333 - lr: 0.0090  
Epoch 330/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4658 - accuracy: 0.7500  
Epoch 330: val_loss did not improve from 0.58762  
11/11 [=====] - 0s 8ms/step - loss: 0.5919 - accuracy: 0.  
6379 - val_loss: 0.5923 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 331/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6241 - accuracy: 0.6250  
Epoch 331: val_loss improved from 0.58762 to 0.58159, saving model to tmp/Weights-  
331--0.58159.hdf5  
11/11 [=====] - 0s 11ms/step - loss: 0.5896 - accuracy:  
0.6351 - val_loss: 0.5816 - val_accuracy: 0.6333 - lr: 0.0090  
Epoch 332/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5671 - accuracy: 0.6875  
Epoch 332: val_loss did not improve from 0.58159  
11/11 [=====] - 0s 8ms/step - loss: 0.5959 - accuracy: 0.  
6408 - val_loss: 0.5893 - val_accuracy: 0.6333 - lr: 0.0090  
Epoch 333/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6301 - accuracy: 0.6250  
Epoch 333: val_loss did not improve from 0.58159  
11/11 [=====] - 0s 9ms/step - loss: 0.5936 - accuracy: 0.  
6494 - val_loss: 0.5930 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 334/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6101 - accuracy: 0.6250  
Epoch 334: val_loss improved from 0.58159 to 0.58149, saving model to tmp/Weights-  
334--0.58149.hdf5  
11/11 [=====] - 0s 11ms/step - loss: 0.5900 - accuracy:  
0.6494 - val_loss: 0.5815 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 335/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6220 - accuracy: 0.6562  
Epoch 335: val_loss did not improve from 0.58149  
11/11 [=====] - 0s 9ms/step - loss: 0.5906 - accuracy: 0.  
6293 - val_loss: 0.5863 - val_accuracy: 0.6200 - lr: 0.0090  
Epoch 336/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5571 - accuracy: 0.6875  
Epoch 336: val_loss did not improve from 0.58149  
11/11 [=====] - 0s 9ms/step - loss: 0.5907 - accuracy: 0.  
6466 - val_loss: 0.6035 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 337/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6063 - accuracy: 0.6562  
Epoch 337: val_loss did not improve from 0.58149  
11/11 [=====] - 0s 8ms/step - loss: 0.6032 - accuracy: 0.  
6264 - val_loss: 0.5931 - val_accuracy: 0.6000 - lr: 0.0090  
Epoch 338/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6567 - accuracy: 0.6250  
Epoch 338: val_loss did not improve from 0.58149  
11/11 [=====] - 0s 8ms/step - loss: 0.5932 - accuracy: 0.  
6322 - val_loss: 0.6071 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 339/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6172 - accuracy: 0.5625  
Epoch 339: val_loss did not improve from 0.58149  
11/11 [=====] - 0s 8ms/step - loss: 0.5902 - accuracy: 0.  
6494 - val_loss: 0.5953 - val_accuracy: 0.6200 - lr: 0.0090
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Epoch 340/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5905 - accuracy: 0.6250
Epoch 340: val_loss did not improve from 0.58149
11/11 [=====] - 0s 10ms/step - loss: 0.5887 - accuracy: 0.6408 - val_loss: 0.5834 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 341/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5832 - accuracy: 0.6875
Epoch 341: val_loss did not improve from 0.58149
11/11 [=====] - 0s 9ms/step - loss: 0.5871 - accuracy: 0.6466 - val_loss: 0.5852 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 342/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5631 - accuracy: 0.7188
Epoch 342: val_loss did not improve from 0.58149
11/11 [=====] - 0s 9ms/step - loss: 0.5870 - accuracy: 0.6494 - val_loss: 0.5868 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 343/1000
11/11 [=====] - ETA: 0s - loss: 0.5865 - accuracy: 0.6408
Epoch 343: val_loss did not improve from 0.58149
11/11 [=====] - 0s 11ms/step - loss: 0.5865 - accuracy: 0.6408 - val_loss: 0.5835 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 344/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5833 - accuracy: 0.6875
Epoch 344: val_loss did not improve from 0.58149
11/11 [=====] - 0s 9ms/step - loss: 0.5877 - accuracy: 0.6494 - val_loss: 0.5870 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 345/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6569 - accuracy: 0.6562
Epoch 345: val_loss did not improve from 0.58149
11/11 [=====] - 0s 8ms/step - loss: 0.5877 - accuracy: 0.6523 - val_loss: 0.5908 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 346/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6798 - accuracy: 0.4375
Epoch 346: val_loss did not improve from 0.58149
11/11 [=====] - 0s 8ms/step - loss: 0.5890 - accuracy: 0.6466 - val_loss: 0.5936 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 347/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6750 - accuracy: 0.5312
Epoch 347: val_loss did not improve from 0.58149
11/11 [=====] - 0s 8ms/step - loss: 0.5932 - accuracy: 0.6494 - val_loss: 0.5876 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 348/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5574 - accuracy: 0.7188
Epoch 348: val_loss did not improve from 0.58149
11/11 [=====] - 0s 9ms/step - loss: 0.5879 - accuracy: 0.6466 - val_loss: 0.5935 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 349/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5756 - accuracy: 0.6562
Epoch 349: val_loss did not improve from 0.58149
11/11 [=====] - 0s 8ms/step - loss: 0.5872 - accuracy: 0.6523 - val_loss: 0.6012 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 350/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5761 - accuracy: 0.7188
Epoch 350: val_loss did not improve from 0.58149
11/11 [=====] - 0s 8ms/step - loss: 0.5875 - accuracy: 0.6466 - val_loss: 0.5838 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 351/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6676 - accuracy: 0.5312
Epoch 351: val_loss did not improve from 0.58149
11/11 [=====] - 0s 9ms/step - loss: 0.5868 - accuracy: 0.6437 - val_loss: 0.5927 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 352/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5658 - accuracy: 0.6562
Epoch 352: val_loss did not improve from 0.58149
11/11 [=====] - 0s 9ms/step - loss: 0.5892 - accuracy: 0.
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6379 - val_loss: 0.5857 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 353/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5191 - accuracy: 0.8125
Epoch 353: val_loss did not improve from 0.58149
11/11 [=====] - 0s 10ms/step - loss: 0.5859 - accuracy: 0.6494 - val_loss: 0.5890 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 354/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5726 - accuracy: 0.6562
Epoch 354: val_loss did not improve from 0.58149
11/11 [=====] - 0s 9ms/step - loss: 0.5844 - accuracy: 0.6466 - val_loss: 0.5827 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 355/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6275 - accuracy: 0.5938
Epoch 355: val_loss did not improve from 0.58149
11/11 [=====] - 0s 8ms/step - loss: 0.5845 - accuracy: 0.6494 - val_loss: 0.5854 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 356/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5916 - accuracy: 0.6875
Epoch 356: val_loss improved from 0.58149 to 0.57804, saving model to tmp/Weights-356--0.57804.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5835 - accuracy: 0.6523 - val_loss: 0.5780 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 357/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5984 - accuracy: 0.6875
Epoch 357: val_loss did not improve from 0.57804
11/11 [=====] - 0s 8ms/step - loss: 0.5842 - accuracy: 0.6408 - val_loss: 0.5883 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 358/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6057 - accuracy: 0.6562
Epoch 358: val_loss did not improve from 0.57804
11/11 [=====] - 0s 9ms/step - loss: 0.5867 - accuracy: 0.6437 - val_loss: 0.5851 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 359/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5211 - accuracy: 0.7812
Epoch 359: val_loss did not improve from 0.57804
11/11 [=====] - 0s 8ms/step - loss: 0.5840 - accuracy: 0.6437 - val_loss: 0.5820 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 360/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5577 - accuracy: 0.7188
Epoch 360: val_loss did not improve from 0.57804
11/11 [=====] - 0s 9ms/step - loss: 0.5864 - accuracy: 0.6379 - val_loss: 0.5996 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 361/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6175 - accuracy: 0.6250
Epoch 361: val_loss did not improve from 0.57804
11/11 [=====] - 0s 9ms/step - loss: 0.5870 - accuracy: 0.6379 - val_loss: 0.5906 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 362/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5921 - accuracy: 0.5625
Epoch 362: val_loss did not improve from 0.57804
11/11 [=====] - 0s 8ms/step - loss: 0.5864 - accuracy: 0.6437 - val_loss: 0.5963 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 363/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6542 - accuracy: 0.4688
Epoch 363: val_loss did not improve from 0.57804
11/11 [=====] - 0s 9ms/step - loss: 0.5842 - accuracy: 0.6437 - val_loss: 0.5879 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 364/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6640 - accuracy: 0.5625
Epoch 364: val_loss did not improve from 0.57804
11/11 [=====] - 0s 9ms/step - loss: 0.5892 - accuracy: 0.6322 - val_loss: 0.5890 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 365/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6239 - accuracy: 0.6250
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Epoch 365: val_loss did not improve from 0.57804
11/11 [=====] - 0s 8ms/step - loss: 0.5849 - accuracy: 0.
6466 - val_loss: 0.5866 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 366/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6239 - accuracy: 0.6562
Epoch 366: val_loss did not improve from 0.57804
11/11 [=====] - 0s 9ms/step - loss: 0.5849 - accuracy: 0.
6437 - val_loss: 0.5830 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 367/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5783 - accuracy: 0.7812
Epoch 367: val_loss did not improve from 0.57804
11/11 [=====] - 0s 10ms/step - loss: 0.5876 - accuracy:
0.6494 - val_loss: 0.6065 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 368/1000
11/11 [=====] - ETA: 0s - loss: 0.5872 - accuracy: 0.6466
Epoch 368: val_loss did not improve from 0.57804
11/11 [=====] - 0s 10ms/step - loss: 0.5872 - accuracy:
0.6466 - val_loss: 0.5913 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 369/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6056 - accuracy: 0.6875
Epoch 369: val_loss did not improve from 0.57804
11/11 [=====] - 0s 9ms/step - loss: 0.5837 - accuracy: 0.
6379 - val_loss: 0.5864 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 370/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5680 - accuracy: 0.5938
Epoch 370: val_loss did not improve from 0.57804
11/11 [=====] - 0s 8ms/step - loss: 0.5835 - accuracy: 0.
6408 - val_loss: 0.5826 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 371/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5036 - accuracy: 0.6875
Epoch 371: val_loss did not improve from 0.57804
11/11 [=====] - 0s 8ms/step - loss: 0.5830 - accuracy: 0.
6466 - val_loss: 0.5861 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 372/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5115 - accuracy: 0.6562
Epoch 372: val_loss did not improve from 0.57804
11/11 [=====] - 0s 9ms/step - loss: 0.5826 - accuracy: 0.
6437 - val_loss: 0.5782 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 373/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5677 - accuracy: 0.6562
Epoch 373: val_loss did not improve from 0.57804
11/11 [=====] - 0s 9ms/step - loss: 0.5835 - accuracy: 0.
6408 - val_loss: 0.5863 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 374/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5210 - accuracy: 0.6250
Epoch 374: val_loss did not improve from 0.57804
11/11 [=====] - 0s 9ms/step - loss: 0.5823 - accuracy: 0.
6408 - val_loss: 0.5826 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 375/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5496 - accuracy: 0.5938
Epoch 375: val_loss did not improve from 0.57804
11/11 [=====] - 0s 8ms/step - loss: 0.5817 - accuracy: 0.
6466 - val_loss: 0.5843 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 376/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6444 - accuracy: 0.5938
Epoch 376: val_loss did not improve from 0.57804
11/11 [=====] - 0s 9ms/step - loss: 0.5826 - accuracy: 0.
6466 - val_loss: 0.5869 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 377/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5609 - accuracy: 0.5938
Epoch 377: val_loss did not improve from 0.57804
11/11 [=====] - 0s 10ms/step - loss: 0.5819 - accuracy:
0.6466 - val_loss: 0.5805 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 378/1000
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11/11 [=====] - ETA: 0s - loss: 0.5830 - accuracy: 0.6408
Epoch 378: val_loss did not improve from 0.57804
11/11 [=====] - 0s 11ms/step - loss: 0.5830 - accuracy: 0.6408 - val_loss: 0.5891 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 379/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6264 - accuracy: 0.5312
Epoch 379: val_loss did not improve from 0.57804
11/11 [=====] - 0s 9ms/step - loss: 0.5844 - accuracy: 0.6437 - val_loss: 0.5825 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 380/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5803 - accuracy: 0.6469
Epoch 380: val_loss did not improve from 0.57804
11/11 [=====] - 0s 11ms/step - loss: 0.5822 - accuracy: 0.6437 - val_loss: 0.5796 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 381/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6571 - accuracy: 0.5625
Epoch 381: val_loss did not improve from 0.57804
11/11 [=====] - 0s 9ms/step - loss: 0.5835 - accuracy: 0.6408 - val_loss: 0.5853 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 382/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6125 - accuracy: 0.5625
Epoch 382: val_loss did not improve from 0.57804
11/11 [=====] - 0s 8ms/step - loss: 0.5862 - accuracy: 0.6408 - val_loss: 0.5868 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 383/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5897 - accuracy: 0.6250
Epoch 383: val_loss improved from 0.57804 to 0.57774, saving model to tmp/Weights-383--0.57774.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5860 - accuracy: 0.6437 - val_loss: 0.5777 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 384/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6174 - accuracy: 0.5938
Epoch 384: val_loss did not improve from 0.57774
11/11 [=====] - 0s 9ms/step - loss: 0.5832 - accuracy: 0.6408 - val_loss: 0.5941 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 385/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6352 - accuracy: 0.6250
Epoch 385: val_loss did not improve from 0.57774
11/11 [=====] - 0s 9ms/step - loss: 0.5833 - accuracy: 0.6466 - val_loss: 0.5812 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 386/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5805 - accuracy: 0.6562
Epoch 386: val_loss did not improve from 0.57774
11/11 [=====] - 0s 9ms/step - loss: 0.5830 - accuracy: 0.6408 - val_loss: 0.5873 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 387/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4871 - accuracy: 0.6875
Epoch 387: val_loss did not improve from 0.57774
11/11 [=====] - 0s 9ms/step - loss: 0.5840 - accuracy: 0.6466 - val_loss: 0.5931 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 388/1000
11/11 [=====] - ETA: 0s - loss: 0.5828 - accuracy: 0.6437
Epoch 388: val_loss did not improve from 0.57774
11/11 [=====] - 0s 10ms/step - loss: 0.5828 - accuracy: 0.6437 - val_loss: 0.5807 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 389/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6328 - accuracy: 0.5938
Epoch 389: val_loss did not improve from 0.57774
11/11 [=====] - 0s 8ms/step - loss: 0.5823 - accuracy: 0.6437 - val_loss: 0.5843 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 390/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5112 - accuracy: 0.6562
Epoch 390: val_loss did not improve from 0.57774
11/11 [=====] - 0s 9ms/step - loss: 0.5838 - accuracy: 0.
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6466 - val_loss: 0.5798 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 391/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6691 - accuracy: 0.5000
Epoch 391: val_loss did not improve from 0.57774
11/11 [=====] - 0s 9ms/step - loss: 0.5833 - accuracy: 0.
6466 - val_loss: 0.5912 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 392/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6217 - accuracy: 0.6562
Epoch 392: val_loss did not improve from 0.57774
11/11 [=====] - 0s 9ms/step - loss: 0.5831 - accuracy: 0.
6437 - val_loss: 0.5821 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 393/1000
11/11 [=====] - ETA: 0s - loss: 0.5819 - accuracy: 0.6408
Epoch 393: val_loss improved from 0.57774 to 0.57535, saving model to tmp/Weights-393--0.57535.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5819 - accuracy: 0.6408
6408 - val_loss: 0.5754 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 394/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6468 - accuracy: 0.6250
Epoch 394: val_loss did not improve from 0.57535
11/11 [=====] - 0s 9ms/step - loss: 0.5814 - accuracy: 0.
6466 - val_loss: 0.5842 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 395/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4822 - accuracy: 0.6875
Epoch 395: val_loss did not improve from 0.57535
11/11 [=====] - 0s 8ms/step - loss: 0.5824 - accuracy: 0.
6408 - val_loss: 0.5821 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 396/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4990 - accuracy: 0.7188
Epoch 396: val_loss did not improve from 0.57535
11/11 [=====] - 0s 9ms/step - loss: 0.5832 - accuracy: 0.
6408 - val_loss: 0.5800 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 397/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6001 - accuracy: 0.5625
Epoch 397: val_loss did not improve from 0.57535
11/11 [=====] - 0s 8ms/step - loss: 0.5832 - accuracy: 0.
6437 - val_loss: 0.5825 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 398/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5690 - accuracy: 0.6562
Epoch 398: val_loss did not improve from 0.57535
11/11 [=====] - 0s 8ms/step - loss: 0.5813 - accuracy: 0.
6466 - val_loss: 0.5898 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 399/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5827 - accuracy: 0.7188
Epoch 399: val_loss did not improve from 0.57535
11/11 [=====] - 0s 8ms/step - loss: 0.5820 - accuracy: 0.
6466 - val_loss: 0.5799 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 400/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5948 - accuracy: 0.7188
Epoch 400: val_loss did not improve from 0.57535
11/11 [=====] - 0s 9ms/step - loss: 0.5812 - accuracy: 0.
6466 - val_loss: 0.5853 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 401/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5579 - accuracy: 0.6562
Epoch 401: val_loss did not improve from 0.57535
11/11 [=====] - 0s 9ms/step - loss: 0.5835 - accuracy: 0.
6437 - val_loss: 0.5932 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 402/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4765 - accuracy: 0.7500
Epoch 402: val_loss did not improve from 0.57535
11/11 [=====] - 0s 8ms/step - loss: 0.5822 - accuracy: 0.
6437 - val_loss: 0.5766 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 403/1000
11/11 [=====] - ETA: 0s - loss: 0.5818 - accuracy: 0.6379
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Epoch 403: val_loss did not improve from 0.57535
11/11 [=====] - 0s 11ms/step - loss: 0.5818 - accuracy: 0.6379 - val_loss: 0.5790 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 404/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6108 - accuracy: 0.5625
Epoch 404: val_loss did not improve from 0.57535
11/11 [=====] - 0s 9ms/step - loss: 0.5820 - accuracy: 0.6437 - val_loss: 0.5955 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 405/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6104 - accuracy: 0.5312
Epoch 405: val_loss did not improve from 0.57535
11/11 [=====] - 0s 8ms/step - loss: 0.5849 - accuracy: 0.6379 - val_loss: 0.5810 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 406/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6117 - accuracy: 0.5625
Epoch 406: val_loss did not improve from 0.57535
11/11 [=====] - 0s 9ms/step - loss: 0.5823 - accuracy: 0.6466 - val_loss: 0.5800 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 407/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5216 - accuracy: 0.7500
Epoch 407: val_loss did not improve from 0.57535
11/11 [=====] - 0s 8ms/step - loss: 0.5812 - accuracy: 0.6437 - val_loss: 0.5761 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 408/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6297 - accuracy: 0.5938
Epoch 408: val_loss did not improve from 0.57535
11/11 [=====] - 0s 9ms/step - loss: 0.5838 - accuracy: 0.6437 - val_loss: 0.6091 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 409/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7109 - accuracy: 0.4688
Epoch 409: val_loss did not improve from 0.57535
11/11 [=====] - 0s 9ms/step - loss: 0.5847 - accuracy: 0.6437 - val_loss: 0.5856 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 410/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5843 - accuracy: 0.7500
Epoch 410: val_loss did not improve from 0.57535
11/11 [=====] - 0s 9ms/step - loss: 0.5834 - accuracy: 0.6408 - val_loss: 0.6163 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 411/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6085 - accuracy: 0.6250
Epoch 411: val_loss did not improve from 0.57535
11/11 [=====] - 0s 9ms/step - loss: 0.5844 - accuracy: 0.6437 - val_loss: 0.5889 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 412/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6139 - accuracy: 0.6250
Epoch 412: val_loss did not improve from 0.57535
11/11 [=====] - 0s 9ms/step - loss: 0.5861 - accuracy: 0.6494 - val_loss: 0.5936 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 413/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6059 - accuracy: 0.6562
Epoch 413: val_loss did not improve from 0.57535
11/11 [=====] - 0s 9ms/step - loss: 0.5867 - accuracy: 0.6523 - val_loss: 0.6040 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 414/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5377 - accuracy: 0.6875
Epoch 414: val_loss did not improve from 0.57535
11/11 [=====] - 0s 9ms/step - loss: 0.5840 - accuracy: 0.6408 - val_loss: 0.5781 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 415/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5542 - accuracy: 0.7188
Epoch 415: val_loss did not improve from 0.57535
11/11 [=====] - 0s 9ms/step - loss: 0.5844 - accuracy: 0.6466 - val_loss: 0.6098 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 416/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5812 - accuracy: 0.6250
Epoch 416: val_loss did not improve from 0.57535
11/11 [=====] - 0s 8ms/step - loss: 0.5857 - accuracy: 0.
6408 - val_loss: 0.5878 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 417/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5443 - accuracy: 0.6250
Epoch 417: val_loss did not improve from 0.57535
11/11 [=====] - 0s 9ms/step - loss: 0.5859 - accuracy: 0.
6437 - val_loss: 0.6167 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 418/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4957 - accuracy: 0.7812
Epoch 418: val_loss did not improve from 0.57535
11/11 [=====] - 0s 8ms/step - loss: 0.5849 - accuracy: 0.
6437 - val_loss: 0.5870 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 419/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5204 - accuracy: 0.7188
Epoch 419: val_loss did not improve from 0.57535
11/11 [=====] - 0s 8ms/step - loss: 0.5827 - accuracy: 0.
6408 - val_loss: 0.5901 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 420/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4809 - accuracy: 0.6250
Epoch 420: val_loss did not improve from 0.57535
11/11 [=====] - 0s 8ms/step - loss: 0.5822 - accuracy: 0.
6437 - val_loss: 0.5821 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 421/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5492 - accuracy: 0.6875
Epoch 421: val_loss did not improve from 0.57535
11/11 [=====] - 0s 8ms/step - loss: 0.5822 - accuracy: 0.
6437 - val_loss: 0.5876 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 422/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6487 - accuracy: 0.5938
Epoch 422: val_loss improved from 0.57535 to 0.57455, saving model to tmp/Weights-422--0.57455.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5812 - accuracy: 0.
6437 - val_loss: 0.5745 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 423/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5591 - accuracy: 0.6875
Epoch 423: val_loss did not improve from 0.57455
11/11 [=====] - 0s 9ms/step - loss: 0.5809 - accuracy: 0.
6408 - val_loss: 0.5856 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 424/1000
11/11 [=====] - ETA: 0s - loss: 0.5840 - accuracy: 0.6437
Epoch 424: val_loss did not improve from 0.57455
11/11 [=====] - 0s 10ms/step - loss: 0.5840 - accuracy: 0.
6437 - val_loss: 0.5804 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 425/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5700 - accuracy: 0.7812
Epoch 425: val_loss did not improve from 0.57455
11/11 [=====] - 0s 9ms/step - loss: 0.5880 - accuracy: 0.
6293 - val_loss: 0.6121 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 426/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5742 - accuracy: 0.7188
Epoch 426: val_loss did not improve from 0.57455
11/11 [=====] - 0s 9ms/step - loss: 0.5897 - accuracy: 0.
6408 - val_loss: 0.6049 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 427/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5663 - accuracy: 0.6562
Epoch 427: val_loss did not improve from 0.57455
11/11 [=====] - 0s 9ms/step - loss: 0.5934 - accuracy: 0.
6351 - val_loss: 0.6466 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 428/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6253 - accuracy: 0.6562
Epoch 428: val_loss did not improve from 0.57455
11/11 [=====] - 0s 8ms/step - loss: 0.6258 - accuracy: 0.
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5891 - val_loss: 0.6438 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 429/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5818 - accuracy: 0.5625
Epoch 429: val_loss did not improve from 0.57455
11/11 [=====] - 0s 12ms/step - loss: 0.6033 - accuracy: 0.6178 - val_loss: 0.5868 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 430/1000
11/11 [=====] - ETA: 0s - loss: 0.5828 - accuracy: 0.6437
Epoch 430: val_loss did not improve from 0.57455
11/11 [=====] - 0s 11ms/step - loss: 0.5828 - accuracy: 0.6437 - val_loss: 0.6015 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 431/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5351 - accuracy: 0.5938
Epoch 431: val_loss did not improve from 0.57455
11/11 [=====] - 0s 9ms/step - loss: 0.5825 - accuracy: 0.6466 - val_loss: 0.5830 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 432/1000
11/11 [=====] - ETA: 0s - loss: 0.5825 - accuracy: 0.6437
Epoch 432: val_loss did not improve from 0.57455
11/11 [=====] - 0s 11ms/step - loss: 0.5825 - accuracy: 0.6437 - val_loss: 0.5949 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 433/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5807 - accuracy: 0.6250
Epoch 433: val_loss did not improve from 0.57455
11/11 [=====] - 0s 10ms/step - loss: 0.5858 - accuracy: 0.6379 - val_loss: 0.5876 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 434/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6073 - accuracy: 0.5938
Epoch 434: val_loss did not improve from 0.57455
11/11 [=====] - 0s 9ms/step - loss: 0.5807 - accuracy: 0.6523 - val_loss: 0.5912 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 435/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6685 - accuracy: 0.5625
Epoch 435: val_loss did not improve from 0.57455
11/11 [=====] - 0s 10ms/step - loss: 0.5862 - accuracy: 0.6264 - val_loss: 0.5829 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 436/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5747 - accuracy: 0.5938
Epoch 436: val_loss did not improve from 0.57455
11/11 [=====] - 0s 9ms/step - loss: 0.5855 - accuracy: 0.6408 - val_loss: 0.5880 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 437/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5134 - accuracy: 0.7188
Epoch 437: val_loss did not improve from 0.57455
11/11 [=====] - 0s 8ms/step - loss: 0.5805 - accuracy: 0.6408 - val_loss: 0.5822 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 438/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6322 - accuracy: 0.5938
Epoch 438: val_loss did not improve from 0.57455
11/11 [=====] - 0s 10ms/step - loss: 0.5807 - accuracy: 0.6466 - val_loss: 0.5824 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 439/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6545 - accuracy: 0.5312
Epoch 439: val_loss did not improve from 0.57455
11/11 [=====] - 0s 8ms/step - loss: 0.5875 - accuracy: 0.6322 - val_loss: 0.6037 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 440/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5967 - accuracy: 0.5938
Epoch 440: val_loss did not improve from 0.57455
11/11 [=====] - 0s 9ms/step - loss: 0.5895 - accuracy: 0.6379 - val_loss: 0.5817 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 441/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6191 - accuracy: 0.6562
Epoch 441: val_loss did not improve from 0.57455
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11/11 [=====] - 0s 9ms/step - loss: 0.5811 - accuracy: 0.  
6437 - val_loss: 0.5769 - val_accuracy: 0.6267 - lr: 0.0090  
Epoch 442/1000  
11/11 [=====] - ETA: 0s - loss: 0.5820 - accuracy: 0.6437  
Epoch 442: val_loss did not improve from 0.57455  
11/11 [=====] - 0s 10ms/step - loss: 0.5820 - accuracy:  
0.6437 - val_loss: 0.5916 - val_accuracy: 0.6400 - lr: 0.0090  
Epoch 443/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4485 - accuracy: 0.7812  
Epoch 443: val_loss did not improve from 0.57455  
11/11 [=====] - 0s 9ms/step - loss: 0.5821 - accuracy: 0.  
6466 - val_loss: 0.5872 - val_accuracy: 0.6400 - lr: 0.0090  
Epoch 444/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5605 - accuracy: 0.6250  
Epoch 444: val_loss did not improve from 0.57455  
11/11 [=====] - 0s 8ms/step - loss: 0.5800 - accuracy: 0.  
6437 - val_loss: 0.5809 - val_accuracy: 0.6600 - lr: 0.0090  
Epoch 445/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5899 - accuracy: 0.6875  
Epoch 445: val_loss did not improve from 0.57455  
11/11 [=====] - 0s 9ms/step - loss: 0.5826 - accuracy: 0.  
6437 - val_loss: 0.5887 - val_accuracy: 0.6267 - lr: 0.0090  
Epoch 446/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5890 - accuracy: 0.5938  
Epoch 446: val_loss improved from 0.57455 to 0.57305, saving model to tmp/Weights-  
446--0.57305.hdf5  
11/11 [=====] - 0s 11ms/step - loss: 0.5831 - accuracy:  
0.6408 - val_loss: 0.5731 - val_accuracy: 0.6467 - lr: 0.0090  
Epoch 447/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5566 - accuracy: 0.6562  
Epoch 447: val_loss did not improve from 0.57305  
11/11 [=====] - 0s 13ms/step - loss: 0.5851 - accuracy:  
0.6379 - val_loss: 0.5861 - val_accuracy: 0.6533 - lr: 0.0090  
Epoch 448/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5857 - accuracy: 0.6250  
Epoch 448: val_loss did not improve from 0.57305  
11/11 [=====] - 0s 9ms/step - loss: 0.5831 - accuracy: 0.  
6408 - val_loss: 0.5758 - val_accuracy: 0.6400 - lr: 0.0090  
Epoch 449/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4545 - accuracy: 0.7500  
Epoch 449: val_loss did not improve from 0.57305  
11/11 [=====] - 0s 9ms/step - loss: 0.5802 - accuracy: 0.  
6437 - val_loss: 0.5824 - val_accuracy: 0.6400 - lr: 0.0090  
Epoch 450/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5389 - accuracy: 0.8125  
Epoch 450: val_loss did not improve from 0.57305  
11/11 [=====] - 0s 8ms/step - loss: 0.5825 - accuracy: 0.  
6437 - val_loss: 0.5931 - val_accuracy: 0.6400 - lr: 0.0090  
Epoch 451/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6137 - accuracy: 0.6250  
Epoch 451: val_loss improved from 0.57305 to 0.57149, saving model to tmp/Weights-  
451--0.57149.hdf5  
11/11 [=====] - 0s 11ms/step - loss: 0.5823 - accuracy:  
0.6379 - val_loss: 0.5715 - val_accuracy: 0.6333 - lr: 0.0090  
Epoch 452/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5605 - accuracy: 0.7188  
Epoch 452: val_loss did not improve from 0.57149  
11/11 [=====] - 0s 9ms/step - loss: 0.5815 - accuracy: 0.  
6408 - val_loss: 0.5963 - val_accuracy: 0.6333 - lr: 0.0090  
Epoch 453/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6095 - accuracy: 0.5625  
Epoch 453: val_loss did not improve from 0.57149  
11/11 [=====] - 0s 9ms/step - loss: 0.5838 - accuracy: 0.  
6466 - val_loss: 0.5782 - val_accuracy: 0.6400 - lr: 0.0090
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Epoch 454/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5725 - accuracy: 0.6562
Epoch 454: val_loss did not improve from 0.57149
11/11 [=====] - 0s 9ms/step - loss: 0.5823 - accuracy: 0.
6437 - val_loss: 0.5749 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 455/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5021 - accuracy: 0.8125
Epoch 455: val_loss did not improve from 0.57149
11/11 [=====] - 0s 9ms/step - loss: 0.5809 - accuracy: 0.
6437 - val_loss: 0.5921 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 456/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5188 - accuracy: 0.7812
Epoch 456: val_loss did not improve from 0.57149
11/11 [=====] - 0s 8ms/step - loss: 0.5819 - accuracy: 0.
6437 - val_loss: 0.5780 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 457/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6047 - accuracy: 0.5000
Epoch 457: val_loss did not improve from 0.57149
11/11 [=====] - 0s 8ms/step - loss: 0.5800 - accuracy: 0.
6437 - val_loss: 0.5771 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 458/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6017 - accuracy: 0.6250
Epoch 458: val_loss did not improve from 0.57149
11/11 [=====] - 0s 8ms/step - loss: 0.5799 - accuracy: 0.
6466 - val_loss: 0.5751 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 459/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5945 - accuracy: 0.6562
Epoch 459: val_loss did not improve from 0.57149
11/11 [=====] - 0s 10ms/step - loss: 0.5796 - accuracy: 0.
6437 - val_loss: 0.5764 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 460/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5177 - accuracy: 0.7812
Epoch 460: val_loss did not improve from 0.57149
11/11 [=====] - 0s 9ms/step - loss: 0.5808 - accuracy: 0.
6466 - val_loss: 0.5838 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 461/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5794 - accuracy: 0.6875
Epoch 461: val_loss did not improve from 0.57149
11/11 [=====] - 0s 8ms/step - loss: 0.5807 - accuracy: 0.
6408 - val_loss: 0.5827 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 462/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6952 - accuracy: 0.4375
Epoch 462: val_loss did not improve from 0.57149
11/11 [=====] - 0s 9ms/step - loss: 0.5810 - accuracy: 0.
6408 - val_loss: 0.5819 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 463/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5731 - accuracy: 0.6250
Epoch 463: val_loss did not improve from 0.57149
11/11 [=====] - 0s 8ms/step - loss: 0.5802 - accuracy: 0.
6437 - val_loss: 0.5754 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 464/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5928 - accuracy: 0.7188
Epoch 464: val_loss did not improve from 0.57149
11/11 [=====] - 0s 8ms/step - loss: 0.5802 - accuracy: 0.
6466 - val_loss: 0.5866 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 465/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5511 - accuracy: 0.7188
Epoch 465: val_loss did not improve from 0.57149
11/11 [=====] - 0s 8ms/step - loss: 0.5813 - accuracy: 0.
6408 - val_loss: 0.5811 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 466/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5928 - accuracy: 0.6250
Epoch 466: val_loss did not improve from 0.57149
11/11 [=====] - 0s 9ms/step - loss: 0.5806 - accuracy: 0.
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6466 - val_loss: 0.5825 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 467/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5810 - accuracy: 0.5938
Epoch 467: val_loss did not improve from 0.57149
11/11 [=====] - 0s 8ms/step - loss: 0.5799 - accuracy: 0.
6408 - val_loss: 0.5751 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 468/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6215 - accuracy: 0.6562
Epoch 468: val_loss did not improve from 0.57149
11/11 [=====] - 0s 9ms/step - loss: 0.5795 - accuracy: 0.
6437 - val_loss: 0.5775 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 469/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5135 - accuracy: 0.7500
Epoch 469: val_loss did not improve from 0.57149
11/11 [=====] - 0s 9ms/step - loss: 0.5795 - accuracy: 0.
6437 - val_loss: 0.5751 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 470/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6440 - accuracy: 0.6562
Epoch 470: val_loss did not improve from 0.57149
11/11 [=====] - 0s 9ms/step - loss: 0.5804 - accuracy: 0.
6408 - val_loss: 0.5753 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 471/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6664 - accuracy: 0.5000
Epoch 471: val_loss did not improve from 0.57149
11/11 [=====] - 0s 9ms/step - loss: 0.5810 - accuracy: 0.
6437 - val_loss: 0.5975 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 472/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5289 - accuracy: 0.6562
Epoch 472: val_loss did not improve from 0.57149
11/11 [=====] - 0s 9ms/step - loss: 0.5813 - accuracy: 0.
6466 - val_loss: 0.5756 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 473/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6077 - accuracy: 0.6562
Epoch 473: val_loss did not improve from 0.57149
11/11 [=====] - 0s 9ms/step - loss: 0.5803 - accuracy: 0.
6437 - val_loss: 0.5817 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 474/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6639 - accuracy: 0.5625
Epoch 474: val_loss did not improve from 0.57149
11/11 [=====] - 0s 9ms/step - loss: 0.5844 - accuracy: 0.
6437 - val_loss: 0.5851 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 475/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5549 - accuracy: 0.6562
Epoch 475: val_loss did not improve from 0.57149
11/11 [=====] - 0s 9ms/step - loss: 0.5803 - accuracy: 0.
6437 - val_loss: 0.5782 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 476/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5918 - accuracy: 0.6875
Epoch 476: val_loss did not improve from 0.57149
11/11 [=====] - 0s 9ms/step - loss: 0.5797 - accuracy: 0.
6408 - val_loss: 0.5807 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 477/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6236 - accuracy: 0.6250
Epoch 477: val_loss did not improve from 0.57149
11/11 [=====] - 0s 9ms/step - loss: 0.5794 - accuracy: 0.
6437 - val_loss: 0.5726 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 478/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6556 - accuracy: 0.5312
Epoch 478: val_loss did not improve from 0.57149
11/11 [=====] - 0s 9ms/step - loss: 0.5802 - accuracy: 0.
6437 - val_loss: 0.5795 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 479/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6271 - accuracy: 0.5000
Epoch 479: val_loss did not improve from 0.57149
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11/11 [=====] - 0s 8ms/step - loss: 0.5813 - accuracy: 0.  
6437 - val_loss: 0.5764 - val_accuracy: 0.6467 - lr: 0.0090  
Epoch 480/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5315 - accuracy: 0.6250  
Epoch 480: val_loss did not improve from 0.57149  
11/11 [=====] - 0s 8ms/step - loss: 0.5794 - accuracy: 0.  
6437 - val_loss: 0.5752 - val_accuracy: 0.6467 - lr: 0.0090  
Epoch 481/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5751 - accuracy: 0.5938  
Epoch 481: val_loss did not improve from 0.57149  
11/11 [=====] - 0s 10ms/step - loss: 0.5799 - accuracy:  
0.6437 - val_loss: 0.5759 - val_accuracy: 0.6533 - lr: 0.0090  
Epoch 482/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5162 - accuracy: 0.7500  
Epoch 482: val_loss did not improve from 0.57149  
11/11 [=====] - 0s 9ms/step - loss: 0.5796 - accuracy: 0.  
6437 - val_loss: 0.5746 - val_accuracy: 0.6400 - lr: 0.0090  
Epoch 483/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5704 - accuracy: 0.5938  
Epoch 483: val_loss did not improve from 0.57149  
11/11 [=====] - 0s 10ms/step - loss: 0.5808 - accuracy:  
0.6437 - val_loss: 0.5733 - val_accuracy: 0.6600 - lr: 0.0090  
Epoch 484/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5483 - accuracy: 0.7188  
Epoch 484: val_loss did not improve from 0.57149  
11/11 [=====] - 0s 9ms/step - loss: 0.5798 - accuracy: 0.  
6408 - val_loss: 0.5845 - val_accuracy: 0.6267 - lr: 0.0090  
Epoch 485/1000  
11/11 [=====] - ETA: 0s - loss: 0.5816 - accuracy: 0.6466  
Epoch 485: val_loss did not improve from 0.57149  
11/11 [=====] - 0s 11ms/step - loss: 0.5816 - accuracy:  
0.6466 - val_loss: 0.5774 - val_accuracy: 0.6600 - lr: 0.0090  
Epoch 486/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6241 - accuracy: 0.6250  
Epoch 486: val_loss improved from 0.57149 to 0.57092, saving model to tmp/Weights-  
486--0.57092.hdf5  
11/11 [=====] - 0s 11ms/step - loss: 0.5796 - accuracy:  
0.6437 - val_loss: 0.5709 - val_accuracy: 0.6467 - lr: 0.0090  
Epoch 487/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5682 - accuracy: 0.6250  
Epoch 487: val_loss did not improve from 0.57092  
11/11 [=====] - 0s 8ms/step - loss: 0.5794 - accuracy: 0.  
6437 - val_loss: 0.5714 - val_accuracy: 0.6467 - lr: 0.0090  
Epoch 488/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6326 - accuracy: 0.4688  
Epoch 488: val_loss did not improve from 0.57092  
11/11 [=====] - 0s 9ms/step - loss: 0.5794 - accuracy: 0.  
6437 - val_loss: 0.5759 - val_accuracy: 0.6533 - lr: 0.0090  
Epoch 489/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5303 - accuracy: 0.7500  
Epoch 489: val_loss did not improve from 0.57092  
11/11 [=====] - 0s 9ms/step - loss: 0.5808 - accuracy: 0.  
6437 - val_loss: 0.5734 - val_accuracy: 0.6467 - lr: 0.0090  
Epoch 490/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6643 - accuracy: 0.5312  
Epoch 490: val_loss did not improve from 0.57092  
11/11 [=====] - 0s 7ms/step - loss: 0.5798 - accuracy: 0.  
6466 - val_loss: 0.5756 - val_accuracy: 0.6533 - lr: 0.0090  
Epoch 491/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6168 - accuracy: 0.6562  
Epoch 491: val_loss did not improve from 0.57092  
11/11 [=====] - 0s 8ms/step - loss: 0.5804 - accuracy: 0.  
6437 - val_loss: 0.5765 - val_accuracy: 0.6533 - lr: 0.0090  
Epoch 492/1000
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11/11 [=====] - ETA: 0s - loss: 0.5824 - accuracy: 0.6437
Epoch 492: val_loss did not improve from 0.57092
11/11 [=====] - 0s 10ms/step - loss: 0.5824 - accuracy: 0.6437
  val_loss: 0.5813 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 493/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.5482 - accuracy: 0.6875
Epoch 493: val_loss improved from 0.57092 to 0.56994, saving model to tmp/Weights-493--0.56994.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5794 - accuracy: 0.6437
  val_loss: 0.5699 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 494/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.5235 - accuracy: 0.6875
Epoch 494: val_loss did not improve from 0.56994
11/11 [=====] - 0s 10ms/step - loss: 0.5795 - accuracy: 0.6437
  val_loss: 0.5747 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 495/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6129 - accuracy: 0.6875
Epoch 495: val_loss did not improve from 0.56994
11/11 [=====] - 0s 10ms/step - loss: 0.5795 - accuracy: 0.6408
  val_loss: 0.5751 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 496/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.5932 - accuracy: 0.6250
Epoch 496: val_loss did not improve from 0.56994
11/11 [=====] - 0s 9ms/step - loss: 0.5795 - accuracy: 0.6437
  val_loss: 0.5726 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 497/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.5623 - accuracy: 0.6875
Epoch 497: val_loss improved from 0.56994 to 0.56801, saving model to tmp/Weights-497--0.56801.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5800 - accuracy: 0.6437
  val_loss: 0.5680 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 498/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.5765 - accuracy: 0.6562
Epoch 498: val_loss did not improve from 0.56801
11/11 [=====] - 0s 10ms/step - loss: 0.5805 - accuracy: 0.6466
  val_loss: 0.5831 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 499/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6010 - accuracy: 0.6875
Epoch 499: val_loss did not improve from 0.56801
11/11 [=====] - 0s 9ms/step - loss: 0.5814 - accuracy: 0.6437
  val_loss: 0.5800 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 500/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6480 - accuracy: 0.5312
Epoch 500: val_loss did not improve from 0.56801
11/11 [=====] - 0s 8ms/step - loss: 0.5811 - accuracy: 0.6494
  val_loss: 0.5848 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 501/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6516 - accuracy: 0.4375
Epoch 501: val_loss did not improve from 0.56801
11/11 [=====] - 0s 9ms/step - loss: 0.5805 - accuracy: 0.6437
  val_loss: 0.5687 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 502/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.5522 - accuracy: 0.6250
Epoch 502: val_loss did not improve from 0.56801
11/11 [=====] - 0s 10ms/step - loss: 0.5802 - accuracy: 0.6437
  val_loss: 0.5749 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 503/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.5543 - accuracy: 0.6562
Epoch 503: val_loss did not improve from 0.56801
11/11 [=====] - 0s 9ms/step - loss: 0.5809 - accuracy: 0.6466
  val_loss: 0.5933 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 504/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.5834 - accuracy: 0.6250
Epoch 504: val_loss did not improve from 0.56801
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11/11 [=====] - 0s 8ms/step - loss: 0.5802 - accuracy: 0.  
6437 - val_loss: 0.5712 - val_accuracy: 0.6600 - lr: 0.0090  
Epoch 505/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6481 - accuracy: 0.5000  
Epoch 505: val_loss did not improve from 0.56801  
11/11 [=====] - 0s 7ms/step - loss: 0.5813 - accuracy: 0.  
6408 - val_loss: 0.5971 - val_accuracy: 0.6267 - lr: 0.0090  
Epoch 506/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6451 - accuracy: 0.5625  
Epoch 506: val_loss did not improve from 0.56801  
11/11 [=====] - 0s 9ms/step - loss: 0.5818 - accuracy: 0.  
6466 - val_loss: 0.5815 - val_accuracy: 0.6467 - lr: 0.0090  
Epoch 507/1000  
11/11 [=====] - ETA: 0s - loss: 0.5814 - accuracy: 0.6437  
Epoch 507: val_loss improved from 0.56801 to 0.56670, saving model to tmp/Weights-  
507--0.56670.hdf5  
11/11 [=====] - 0s 13ms/step - loss: 0.5814 - accuracy:  
0.6437 - val_loss: 0.5667 - val_accuracy: 0.6333 - lr: 0.0090  
Epoch 508/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5988 - accuracy: 0.5938  
Epoch 508: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 10ms/step - loss: 0.5798 - accuracy:  
0.6437 - val_loss: 0.5765 - val_accuracy: 0.6533 - lr: 0.0090  
Epoch 509/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6458 - accuracy: 0.6250  
Epoch 509: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 9ms/step - loss: 0.5791 - accuracy: 0.  
6466 - val_loss: 0.5737 - val_accuracy: 0.6467 - lr: 0.0090  
Epoch 510/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5882 - accuracy: 0.6562  
Epoch 510: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 8ms/step - loss: 0.5798 - accuracy: 0.  
6437 - val_loss: 0.5843 - val_accuracy: 0.6333 - lr: 0.0090  
Epoch 511/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6377 - accuracy: 0.5938  
Epoch 511: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 9ms/step - loss: 0.5801 - accuracy: 0.  
6437 - val_loss: 0.5733 - val_accuracy: 0.6533 - lr: 0.0090  
Epoch 512/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4996 - accuracy: 0.7500  
Epoch 512: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 9ms/step - loss: 0.5804 - accuracy: 0.  
6408 - val_loss: 0.5703 - val_accuracy: 0.6267 - lr: 0.0090  
Epoch 513/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6206 - accuracy: 0.5625  
Epoch 513: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 9ms/step - loss: 0.5816 - accuracy: 0.  
6379 - val_loss: 0.5690 - val_accuracy: 0.6600 - lr: 0.0090  
Epoch 514/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5711 - accuracy: 0.6562  
Epoch 514: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 9ms/step - loss: 0.5796 - accuracy: 0.  
6408 - val_loss: 0.5744 - val_accuracy: 0.6533 - lr: 0.0090  
Epoch 515/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5921 - accuracy: 0.5938  
Epoch 515: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 9ms/step - loss: 0.5804 - accuracy: 0.  
6437 - val_loss: 0.5775 - val_accuracy: 0.6400 - lr: 0.0090  
Epoch 516/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6466 - accuracy: 0.5938  
Epoch 516: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 9ms/step - loss: 0.5799 - accuracy: 0.  
6466 - val_loss: 0.5721 - val_accuracy: 0.6400 - lr: 0.0090  
Epoch 517/1000
```

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1/11 [=>.....] - ETA: 0s - loss: 0.6294 - accuracy: 0.5938
Epoch 517: val_loss did not improve from 0.56670
11/11 [=====] - 0s 10ms/step - loss: 0.5802 - accuracy: 0.6437 - val_loss: 0.5794 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 518/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5840 - accuracy: 0.6250
Epoch 518: val_loss did not improve from 0.56670
11/11 [=====] - 0s 7ms/step - loss: 0.5795 - accuracy: 0.6466 - val_loss: 0.5740 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 519/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5405 - accuracy: 0.6875
Epoch 519: val_loss did not improve from 0.56670
11/11 [=====] - 0s 8ms/step - loss: 0.5794 - accuracy: 0.6437 - val_loss: 0.5677 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 520/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6145 - accuracy: 0.5000
Epoch 520: val_loss did not improve from 0.56670
11/11 [=====] - 0s 8ms/step - loss: 0.5791 - accuracy: 0.6437 - val_loss: 0.5774 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 521/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5812 - accuracy: 0.6562
Epoch 521: val_loss did not improve from 0.56670
11/11 [=====] - 0s 8ms/step - loss: 0.5796 - accuracy: 0.6466 - val_loss: 0.5771 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 522/1000
11/11 [=====] - ETA: 0s - loss: 0.5801 - accuracy: 0.6408
Epoch 522: val_loss did not improve from 0.56670
11/11 [=====] - 0s 10ms/step - loss: 0.5801 - accuracy: 0.6408 - val_loss: 0.5806 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 523/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5602 - accuracy: 0.6250
Epoch 523: val_loss did not improve from 0.56670
11/11 [=====] - 0s 9ms/step - loss: 0.5802 - accuracy: 0.6408 - val_loss: 0.5771 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 524/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5490 - accuracy: 0.6562
Epoch 524: val_loss did not improve from 0.56670
11/11 [=====] - 0s 10ms/step - loss: 0.5802 - accuracy: 0.6437 - val_loss: 0.5677 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 525/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5797 - accuracy: 0.6875
Epoch 525: val_loss did not improve from 0.56670
11/11 [=====] - 0s 10ms/step - loss: 0.5798 - accuracy: 0.6408 - val_loss: 0.5731 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 526/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6491 - accuracy: 0.5312
Epoch 526: val_loss did not improve from 0.56670
11/11 [=====] - 0s 9ms/step - loss: 0.5803 - accuracy: 0.6466 - val_loss: 0.5761 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 527/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6258 - accuracy: 0.5938
Epoch 527: val_loss did not improve from 0.56670
11/11 [=====] - 0s 10ms/step - loss: 0.5800 - accuracy: 0.6437 - val_loss: 0.5761 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 528/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5882 - accuracy: 0.7500
Epoch 528: val_loss did not improve from 0.56670
11/11 [=====] - 0s 8ms/step - loss: 0.5799 - accuracy: 0.6437 - val_loss: 0.5841 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 529/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5738 - accuracy: 0.7500
Epoch 529: val_loss did not improve from 0.56670
11/11 [=====] - 0s 9ms/step - loss: 0.5810 - accuracy: 0.6494 - val_loss: 0.5728 - val_accuracy: 0.6600 - lr: 0.0090
```

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Epoch 530/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5861 - accuracy: 0.6250
Epoch 530: val_loss did not improve from 0.56670
11/11 [=====] - 0s 8ms/step - loss: 0.5804 - accuracy: 0.
6437 - val_loss: 0.5708 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 531/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5553 - accuracy: 0.7188
Epoch 531: val_loss did not improve from 0.56670
11/11 [=====] - 0s 9ms/step - loss: 0.5814 - accuracy: 0.
6466 - val_loss: 0.5847 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 532/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5838 - accuracy: 0.6406
Epoch 532: val_loss did not improve from 0.56670
11/11 [=====] - 0s 12ms/step - loss: 0.5802 - accuracy:
0.6437 - val_loss: 0.5712 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 533/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6634 - accuracy: 0.5312
Epoch 533: val_loss did not improve from 0.56670
11/11 [=====] - 0s 8ms/step - loss: 0.5797 - accuracy: 0.
6437 - val_loss: 0.5801 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 534/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5636 - accuracy: 0.7188
Epoch 534: val_loss did not improve from 0.56670
11/11 [=====] - 0s 10ms/step - loss: 0.5806 - accuracy:
0.6466 - val_loss: 0.5748 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 535/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6391 - accuracy: 0.5938
Epoch 535: val_loss did not improve from 0.56670
11/11 [=====] - 0s 8ms/step - loss: 0.5795 - accuracy: 0.
6437 - val_loss: 0.5818 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 536/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6178 - accuracy: 0.5000
Epoch 536: val_loss did not improve from 0.56670
11/11 [=====] - 0s 8ms/step - loss: 0.5815 - accuracy: 0.
6351 - val_loss: 0.5680 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 537/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5312 - accuracy: 0.7188
Epoch 537: val_loss did not improve from 0.56670
11/11 [=====] - 0s 8ms/step - loss: 0.5807 - accuracy: 0.
6437 - val_loss: 0.5747 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 538/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6325 - accuracy: 0.5938
Epoch 538: val_loss did not improve from 0.56670
11/11 [=====] - 0s 9ms/step - loss: 0.5861 - accuracy: 0.
6408 - val_loss: 0.5948 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 539/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5684 - accuracy: 0.7500
Epoch 539: val_loss did not improve from 0.56670
11/11 [=====] - 0s 9ms/step - loss: 0.5865 - accuracy: 0.
6379 - val_loss: 0.6006 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 540/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5246 - accuracy: 0.7188
Epoch 540: val_loss did not improve from 0.56670
11/11 [=====] - 0s 9ms/step - loss: 0.5900 - accuracy: 0.
6437 - val_loss: 0.7289 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 541/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6227 - accuracy: 0.5625
Epoch 541: val_loss did not improve from 0.56670
11/11 [=====] - 0s 9ms/step - loss: 0.6546 - accuracy: 0.
5891 - val_loss: 0.7195 - val_accuracy: 0.4933 - lr: 0.0090
Epoch 542/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7449 - accuracy: 0.5625
Epoch 542: val_loss did not improve from 0.56670
11/11 [=====] - 0s 9ms/step - loss: 0.6877 - accuracy: 0.
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5603 - val_loss: 0.6996 - val_accuracy: 0.4733 - lr: 0.0090
Epoch 543/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5680 - accuracy: 0.6562
Epoch 543: val_loss did not improve from 0.56670
11/11 [=====] - 0s 8ms/step - loss: 0.6603 - accuracy: 0.
5632 - val_loss: 0.6720 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 544/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7019 - accuracy: 0.4062
Epoch 544: val_loss did not improve from 0.56670
11/11 [=====] - 0s 9ms/step - loss: 0.6558 - accuracy: 0.
5575 - val_loss: 0.6906 - val_accuracy: 0.4933 - lr: 0.0090
Epoch 545/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6171 - accuracy: 0.5625
Epoch 545: val_loss did not improve from 0.56670
11/11 [=====] - 0s 9ms/step - loss: 0.6531 - accuracy: 0.
5603 - val_loss: 0.6672 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 546/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6346 - accuracy: 0.4688
Epoch 546: val_loss did not improve from 0.56670
11/11 [=====] - 0s 9ms/step - loss: 0.6335 - accuracy: 0.
5776 - val_loss: 0.6387 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 547/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5808 - accuracy: 0.7188
Epoch 547: val_loss did not improve from 0.56670
11/11 [=====] - 0s 10ms/step - loss: 0.6238 - accuracy: 0.
6006 - val_loss: 0.6463 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 548/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6097 - accuracy: 0.7812
Epoch 548: val_loss did not improve from 0.56670
11/11 [=====] - 0s 8ms/step - loss: 0.6176 - accuracy: 0.
6121 - val_loss: 0.6309 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 549/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6281 - accuracy: 0.5000
Epoch 549: val_loss did not improve from 0.56670
11/11 [=====] - 0s 8ms/step - loss: 0.6140 - accuracy: 0.
6207 - val_loss: 0.6325 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 550/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6275 - accuracy: 0.5312
Epoch 550: val_loss did not improve from 0.56670
11/11 [=====] - 0s 8ms/step - loss: 0.6122 - accuracy: 0.
6149 - val_loss: 0.6250 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 551/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6067 - accuracy: 0.7188
Epoch 551: val_loss did not improve from 0.56670
11/11 [=====] - 0s 9ms/step - loss: 0.6116 - accuracy: 0.
6236 - val_loss: 0.6324 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 552/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5288 - accuracy: 0.5938
Epoch 552: val_loss did not improve from 0.56670
11/11 [=====] - 0s 8ms/step - loss: 0.6137 - accuracy: 0.
6121 - val_loss: 0.6287 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 553/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6441 - accuracy: 0.6875
Epoch 553: val_loss did not improve from 0.56670
11/11 [=====] - 0s 9ms/step - loss: 0.6120 - accuracy: 0.
6207 - val_loss: 0.6250 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 554/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6486 - accuracy: 0.5625
Epoch 554: val_loss did not improve from 0.56670
11/11 [=====] - 0s 9ms/step - loss: 0.6117 - accuracy: 0.
6092 - val_loss: 0.6263 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 555/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5664 - accuracy: 0.7812
Epoch 555: val_loss did not improve from 0.56670
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11/11 [=====] - 0s 9ms/step - loss: 0.6117 - accuracy: 0.  
6236 - val_loss: 0.6250 - val_accuracy: 0.5933 - lr: 0.0090  
Epoch 556/1000  
11/11 [=====] - ETA: 0s - loss: 0.6094 - accuracy: 0.6121  
Epoch 556: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 10ms/step - loss: 0.6094 - accuracy:  
0.6121 - val_loss: 0.6204 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 557/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5949 - accuracy: 0.6562  
Epoch 557: val_loss did not improve from 0.56670  
  
Epoch 557: ReduceLROnPlateau reducing learning rate to 0.006299999728798866.  
11/11 [=====] - 0s 10ms/step - loss: 0.6092 - accuracy:  
0.6149 - val_loss: 0.6244 - val_accuracy: 0.5867 - lr: 0.0090  
Epoch 558/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7002 - accuracy: 0.5000  
Epoch 558: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 10ms/step - loss: 0.6097 - accuracy:  
0.6178 - val_loss: 0.6308 - val_accuracy: 0.5733 - lr: 0.0063  
Epoch 559/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7063 - accuracy: 0.4688  
Epoch 559: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 9ms/step - loss: 0.6100 - accuracy: 0.  
6178 - val_loss: 0.6296 - val_accuracy: 0.5800 - lr: 0.0063  
Epoch 560/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6730 - accuracy: 0.5000  
Epoch 560: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 9ms/step - loss: 0.6099 - accuracy: 0.  
6236 - val_loss: 0.6224 - val_accuracy: 0.6067 - lr: 0.0063  
Epoch 561/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5799 - accuracy: 0.6250  
Epoch 561: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 8ms/step - loss: 0.6093 - accuracy: 0.  
6207 - val_loss: 0.6217 - val_accuracy: 0.5933 - lr: 0.0063  
Epoch 562/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5681 - accuracy: 0.6875  
Epoch 562: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 9ms/step - loss: 0.6093 - accuracy: 0.  
6178 - val_loss: 0.6200 - val_accuracy: 0.6000 - lr: 0.0063  
Epoch 563/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5664 - accuracy: 0.6562  
Epoch 563: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 8ms/step - loss: 0.6089 - accuracy: 0.  
6149 - val_loss: 0.6194 - val_accuracy: 0.6000 - lr: 0.0063  
Epoch 564/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6586 - accuracy: 0.5000  
Epoch 564: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 8ms/step - loss: 0.6091 - accuracy: 0.  
6149 - val_loss: 0.6217 - val_accuracy: 0.5867 - lr: 0.0063  
Epoch 565/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5490 - accuracy: 0.7812  
Epoch 565: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 9ms/step - loss: 0.6094 - accuracy: 0.  
6149 - val_loss: 0.6220 - val_accuracy: 0.6000 - lr: 0.0063  
Epoch 566/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6110 - accuracy: 0.6250  
Epoch 566: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 8ms/step - loss: 0.6088 - accuracy: 0.  
6178 - val_loss: 0.6183 - val_accuracy: 0.6000 - lr: 0.0063  
Epoch 567/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6104 - accuracy: 0.5625  
Epoch 567: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 8ms/step - loss: 0.6093 - accuracy: 0.  
6207 - val_loss: 0.6207 - val_accuracy: 0.6067 - lr: 0.0063
```

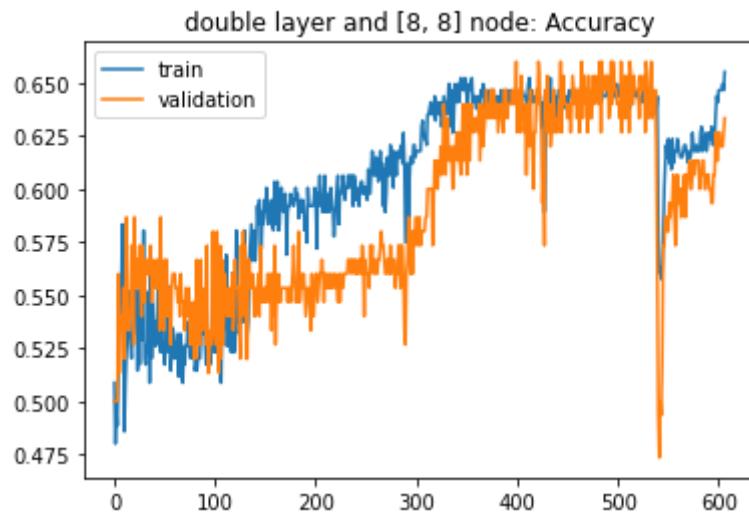
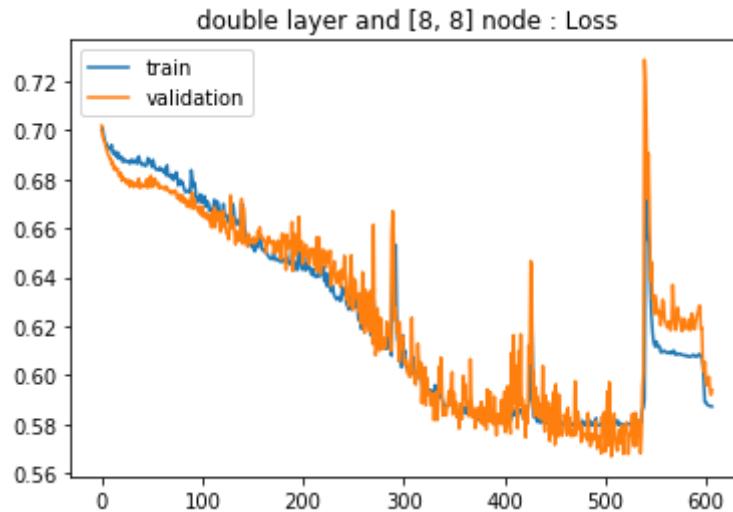
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Epoch 568/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5683 - accuracy: 0.7188
Epoch 568: val_loss did not improve from 0.56670
11/11 [=====] - 0s 9ms/step - loss: 0.6094 - accuracy: 0.
6207 - val_loss: 0.6369 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 569/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6712 - accuracy: 0.6562
Epoch 569: val_loss did not improve from 0.56670
11/11 [=====] - 0s 8ms/step - loss: 0.6101 - accuracy: 0.
6178 - val_loss: 0.6279 - val_accuracy: 0.6000 - lr: 0.0063
Epoch 570/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6535 - accuracy: 0.5312
Epoch 570: val_loss did not improve from 0.56670
11/11 [=====] - 0s 9ms/step - loss: 0.6086 - accuracy: 0.
6149 - val_loss: 0.6225 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 571/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6848 - accuracy: 0.5000
Epoch 571: val_loss did not improve from 0.56670
11/11 [=====] - 0s 9ms/step - loss: 0.6091 - accuracy: 0.
6121 - val_loss: 0.6184 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 572/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5712 - accuracy: 0.7812
Epoch 572: val_loss did not improve from 0.56670
11/11 [=====] - 0s 8ms/step - loss: 0.6084 - accuracy: 0.
6178 - val_loss: 0.6212 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 573/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6307 - accuracy: 0.5625
Epoch 573: val_loss did not improve from 0.56670
11/11 [=====] - 0s 10ms/step - loss: 0.6086 - accuracy: 0.
6149 - val_loss: 0.6275 - val_accuracy: 0.6000 - lr: 0.0063
Epoch 574/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5740 - accuracy: 0.6562
Epoch 574: val_loss did not improve from 0.56670
11/11 [=====] - 0s 9ms/step - loss: 0.6086 - accuracy: 0.
6178 - val_loss: 0.6237 - val_accuracy: 0.6000 - lr: 0.0063
Epoch 575/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6068 - accuracy: 0.6250
Epoch 575: val_loss did not improve from 0.56670
11/11 [=====] - 0s 8ms/step - loss: 0.6088 - accuracy: 0.
6264 - val_loss: 0.6234 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 576/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5437 - accuracy: 0.7188
Epoch 576: val_loss did not improve from 0.56670
11/11 [=====] - 0s 8ms/step - loss: 0.6086 - accuracy: 0.
6207 - val_loss: 0.6208 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 577/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5885 - accuracy: 0.7188
Epoch 577: val_loss did not improve from 0.56670
11/11 [=====] - 0s 8ms/step - loss: 0.6082 - accuracy: 0.
6178 - val_loss: 0.6180 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 578/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6604 - accuracy: 0.6250
Epoch 578: val_loss did not improve from 0.56670
11/11 [=====] - 0s 9ms/step - loss: 0.6082 - accuracy: 0.
6178 - val_loss: 0.6185 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 579/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6562 - accuracy: 0.5938
Epoch 579: val_loss did not improve from 0.56670
11/11 [=====] - 0s 8ms/step - loss: 0.6081 - accuracy: 0.
6207 - val_loss: 0.6231 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 580/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5995 - accuracy: 0.7500
Epoch 580: val_loss did not improve from 0.56670
11/11 [=====] - 0s 8ms/step - loss: 0.6079 - accuracy: 0.
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6178 - val_loss: 0.6194 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 581/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5955 - accuracy: 0.6875
Epoch 581: val_loss did not improve from 0.56670
11/11 [=====] - 0s 9ms/step - loss: 0.6082 - accuracy: 0.
6178 - val_loss: 0.6191 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 582/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6209 - accuracy: 0.4688
Epoch 582: val_loss did not improve from 0.56670
11/11 [=====] - 0s 8ms/step - loss: 0.6079 - accuracy: 0.
6178 - val_loss: 0.6192 - val_accuracy: 0.6000 - lr: 0.0063
Epoch 583/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6037 - accuracy: 0.6406
Epoch 583: val_loss did not improve from 0.56670
11/11 [=====] - 0s 11ms/step - loss: 0.6076 - accuracy:
0.6264 - val_loss: 0.6208 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 584/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6474 - accuracy: 0.5625
Epoch 584: val_loss did not improve from 0.56670
11/11 [=====] - 0s 9ms/step - loss: 0.6077 - accuracy: 0.
6293 - val_loss: 0.6227 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 585/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5493 - accuracy: 0.7812
Epoch 585: val_loss did not improve from 0.56670
11/11 [=====] - 0s 13ms/step - loss: 0.6075 - accuracy:
0.6178 - val_loss: 0.6182 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 586/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5774 - accuracy: 0.5625
Epoch 586: val_loss did not improve from 0.56670
11/11 [=====] - 0s 9ms/step - loss: 0.6075 - accuracy: 0.
6207 - val_loss: 0.6202 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 587/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6134 - accuracy: 0.5000
Epoch 587: val_loss did not improve from 0.56670
11/11 [=====] - 0s 9ms/step - loss: 0.6078 - accuracy: 0.
6236 - val_loss: 0.6251 - val_accuracy: 0.6000 - lr: 0.0063
Epoch 588/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5695 - accuracy: 0.6250
Epoch 588: val_loss did not improve from 0.56670
11/11 [=====] - 0s 9ms/step - loss: 0.6083 - accuracy: 0.
6264 - val_loss: 0.6229 - val_accuracy: 0.6000 - lr: 0.0063
Epoch 589/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6952 - accuracy: 0.5312
Epoch 589: val_loss did not improve from 0.56670
11/11 [=====] - 0s 9ms/step - loss: 0.6083 - accuracy: 0.
6178 - val_loss: 0.6187 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 590/1000
11/11 [=====] - ETA: 0s - loss: 0.6076 - accuracy: 0.6207
Epoch 590: val_loss did not improve from 0.56670
11/11 [=====] - 0s 10ms/step - loss: 0.6076 - accuracy:
0.6207 - val_loss: 0.6188 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 591/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6293 - accuracy: 0.5625
Epoch 591: val_loss did not improve from 0.56670
11/11 [=====] - 0s 9ms/step - loss: 0.6078 - accuracy: 0.
6264 - val_loss: 0.6216 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 592/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5847 - accuracy: 0.6250
Epoch 592: val_loss did not improve from 0.56670
11/11 [=====] - 0s 8ms/step - loss: 0.6076 - accuracy: 0.
6264 - val_loss: 0.6246 - val_accuracy: 0.6000 - lr: 0.0063
Epoch 593/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6640 - accuracy: 0.5000
Epoch 593: val_loss did not improve from 0.56670
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11/11 [=====] - 0s 9ms/step - loss: 0.6076 - accuracy: 0.  
6236 - val_loss: 0.6251 - val_accuracy: 0.6000 - lr: 0.0063  
Epoch 594/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5640 - accuracy: 0.6875  
Epoch 594: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 8ms/step - loss: 0.6086 - accuracy: 0.  
6293 - val_loss: 0.6280 - val_accuracy: 0.5933 - lr: 0.0063  
Epoch 595/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5989 - accuracy: 0.7188  
Epoch 595: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 9ms/step - loss: 0.6084 - accuracy: 0.  
6207 - val_loss: 0.6284 - val_accuracy: 0.5933 - lr: 0.0063  
Epoch 596/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5917 - accuracy: 0.7188  
Epoch 596: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 8ms/step - loss: 0.6078 - accuracy: 0.  
6236 - val_loss: 0.6188 - val_accuracy: 0.6067 - lr: 0.0063  
Epoch 597/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6458 - accuracy: 0.5000  
Epoch 597: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 9ms/step - loss: 0.6074 - accuracy: 0.  
6236 - val_loss: 0.6193 - val_accuracy: 0.6067 - lr: 0.0063  
Epoch 598/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5728 - accuracy: 0.7812  
Epoch 598: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 9ms/step - loss: 0.6041 - accuracy: 0.  
6351 - val_loss: 0.6043 - val_accuracy: 0.6267 - lr: 0.0063  
Epoch 599/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5852 - accuracy: 0.7188  
Epoch 599: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 10ms/step - loss: 0.5962 - accuracy:  
0.6437 - val_loss: 0.6012 - val_accuracy: 0.6133 - lr: 0.0063  
Epoch 600/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5489 - accuracy: 0.7812  
Epoch 600: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 8ms/step - loss: 0.5889 - accuracy: 0.  
6408 - val_loss: 0.6053 - val_accuracy: 0.6133 - lr: 0.0063  
Epoch 601/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5502 - accuracy: 0.7188  
Epoch 601: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 9ms/step - loss: 0.5889 - accuracy: 0.  
6466 - val_loss: 0.5980 - val_accuracy: 0.6267 - lr: 0.0063  
Epoch 602/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6004 - accuracy: 0.7188  
Epoch 602: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 8ms/step - loss: 0.5881 - accuracy: 0.  
6466 - val_loss: 0.5958 - val_accuracy: 0.6267 - lr: 0.0063  
Epoch 603/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5233 - accuracy: 0.7188  
Epoch 603: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 10ms/step - loss: 0.5876 - accuracy:  
0.6466 - val_loss: 0.5961 - val_accuracy: 0.6200 - lr: 0.0063  
Epoch 604/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5570 - accuracy: 0.8125  
Epoch 604: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 9ms/step - loss: 0.5876 - accuracy: 0.  
6466 - val_loss: 0.5993 - val_accuracy: 0.6200 - lr: 0.0063  
Epoch 605/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5925 - accuracy: 0.6250  
Epoch 605: val_loss did not improve from 0.56670  
11/11 [=====] - 0s 9ms/step - loss: 0.5873 - accuracy: 0.  
6494 - val_loss: 0.5940 - val_accuracy: 0.6200 - lr: 0.0063  
Epoch 606/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6390 - accuracy: 0.5312
```

```
Epoch 606: val_loss did not improve from 0.56670
11/11 [=====] - 0s 8ms/step - loss: 0.5873 - accuracy: 0.
6466 - val_loss: 0.5919 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 607/1000
 1/11 [=>.....] - ETA: 0s - loss: 0.5454 - accuracy: 0.5938
Epoch 607: val_loss did not improve from 0.56670

Epoch 607: ReduceLROnPlateau reducing learning rate to 0.004409999679774046.
11/11 [=====] - 0s 9ms/step - loss: 0.5871 - accuracy: 0.
6552 - val_loss: 0.5940 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 607: early stopping
Final training loss for double layer and [8, 8] nodes: 0.5871383547782898
Final training accuracy for double layer and [8, 8] nodes 0.6551724076271057
Final validation loss for double layer and [8, 8] nodes 0.5939555168151855
Final validation accuracy for double layer and [8, 8] nodes 0.6333333253860474
```



>>>>>>>>>>>>>>> Model training with double hidden layer and [8, 12] node>>>>
>>>>>>>>

Model: "sequential_39"

Layer (type)	Output Shape	Param #
<hr/>		
dense_105 (Dense)	(None, 8)	24
dense_106 (Dense)	(None, 12)	108
dense_107 (Dense)	(None, 1)	13
<hr/>		
Total params: 145		
Trainable params: 145		
Non-trainable params: 0		

None

Epoch 1/1000

1/11 [=>.....] - ETA: 7s - loss: 0.6908 - accuracy: 0.5625
Epoch 1: val_loss improved from inf to 0.69562, saving model to tmp/Weights-001--0.69562.hdf5

11/11 [=====] - 1s 32ms/step - loss: 0.6994 - accuracy: 0.5029 - val_loss: 0.6956 - val_accuracy: 0.4933 - lr: 0.0090

Epoch 2/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6984 - accuracy: 0.5000
Epoch 2: val_loss improved from 0.69562 to 0.69229, saving model to tmp/Weights-002--0.69229.hdf5

11/11 [=====] - 0s 10ms/step - loss: 0.6941 - accuracy: 0.5057 - val_loss: 0.6923 - val_accuracy: 0.5200 - lr: 0.0090

Epoch 3/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6868 - accuracy: 0.6250
Epoch 3: val_loss improved from 0.69229 to 0.68839, saving model to tmp/Weights-003--0.68839.hdf5

11/11 [=====] - 0s 11ms/step - loss: 0.6943 - accuracy: 0.5115 - val_loss: 0.6884 - val_accuracy: 0.5600 - lr: 0.0090

Epoch 4/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6933 - accuracy: 0.5000
Epoch 4: val_loss improved from 0.68839 to 0.68218, saving model to tmp/Weights-004--0.68218.hdf5

11/11 [=====] - 0s 11ms/step - loss: 0.6941 - accuracy: 0.4943 - val_loss: 0.6822 - val_accuracy: 0.6133 - lr: 0.0090

Epoch 5/1000

1/11 [=>.....] - ETA: 0s - loss: 0.7034 - accuracy: 0.4688
Epoch 5: val_loss did not improve from 0.68218

11/11 [=====] - 0s 8ms/step - loss: 0.6906 - accuracy: 0.4684 - val_loss: 0.6827 - val_accuracy: 0.6200 - lr: 0.0090

Epoch 6/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6856 - accuracy: 0.5000
Epoch 6: val_loss improved from 0.68218 to 0.68166, saving model to tmp/Weights-006--0.68166.hdf5

11/11 [=====] - 0s 11ms/step - loss: 0.6905 - accuracy: 0.5374 - val_loss: 0.6817 - val_accuracy: 0.6067 - lr: 0.0090

Epoch 7/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6587 - accuracy: 0.7188
Epoch 7: val_loss improved from 0.68166 to 0.67961, saving model to tmp/Weights-007--0.67961.hdf5

11/11 [=====] - 0s 11ms/step - loss: 0.6885 - accuracy: 0.5489 - val_loss: 0.6796 - val_accuracy: 0.6267 - lr: 0.0090

Epoch 8/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6864 - accuracy: 0.5625

```
Epoch 8: val_loss improved from 0.67961 to 0.67792, saving model to tmp/Weights-00
8--0.67792.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6876 - accuracy: 0.5057
  val_loss: 0.6779 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 9/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6864 - accuracy: 0.5000
Epoch 9: val_loss improved from 0.67792 to 0.67558, saving model to tmp/Weights-00
9--0.67558.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6861 - accuracy: 0.4971
  val_loss: 0.6756 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 10/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6673 - accuracy: 0.6562
Epoch 10: val_loss improved from 0.67558 to 0.67545, saving model to tmp/Weights-0
10--0.67545.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6861 - accuracy: 0.5489
  val_loss: 0.6755 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 11/1000
  1/11 [=====] - ETA: 0s - loss: 0.6862 - accuracy: 0.5029
Epoch 11: val_loss improved from 0.67545 to 0.67210, saving model to tmp/Weights-0
11--0.67210.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6862 - accuracy: 0.5029
  val_loss: 0.6721 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 12/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6795 - accuracy: 0.5625
Epoch 12: val_loss improved from 0.67210 to 0.67053, saving model to tmp/Weights-0
12--0.67053.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6847 - accuracy: 0.5402
  val_loss: 0.6705 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 13/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6551 - accuracy: 0.6562
Epoch 13: val_loss did not improve from 0.67053
  1/11 [=====] - 0s 9ms/step - loss: 0.6824 - accuracy: 0.5690
  val_loss: 0.6719 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 14/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.7002 - accuracy: 0.4062
Epoch 14: val_loss improved from 0.67053 to 0.66836, saving model to tmp/Weights-0
14--0.66836.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6810 - accuracy: 0.5575
  val_loss: 0.6684 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 15/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6707 - accuracy: 0.5938
Epoch 15: val_loss improved from 0.66836 to 0.66782, saving model to tmp/Weights-0
15--0.66782.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6835 - accuracy: 0.5546
  val_loss: 0.6678 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 16/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6397 - accuracy: 0.6250
Epoch 16: val_loss improved from 0.66782 to 0.66761, saving model to tmp/Weights-0
16--0.66761.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6797 - accuracy: 0.5431
  val_loss: 0.6676 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 17/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6636 - accuracy: 0.5625
Epoch 17: val_loss improved from 0.66761 to 0.66615, saving model to tmp/Weights-0
17--0.66615.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6792 - accuracy: 0.5172
  val_loss: 0.6661 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 18/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6729 - accuracy: 0.5625
Epoch 18: val_loss improved from 0.66615 to 0.66605, saving model to tmp/Weights-0
18--0.66605.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6783 - accuracy: 0.5718
  val_loss: 0.6660 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 19/1000
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11/11 [=====] - ETA: 0s - loss: 0.6775 - accuracy: 0.5603
Epoch 19: val_loss improved from 0.66605 to 0.66448, saving model to tmp/Weights-0
19--0.66448.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6775 - accuracy:
0.5603 - val_loss: 0.6645 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 20/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6547 - accuracy: 0.5312
Epoch 20: val_loss improved from 0.66448 to 0.66220, saving model to tmp/Weights-0
20--0.66220.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6785 - accuracy:
0.5259 - val_loss: 0.6622 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 21/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6770 - accuracy: 0.5000
Epoch 21: val_loss did not improve from 0.66220
11/11 [=====] - 0s 7ms/step - loss: 0.6768 - accuracy: 0.
5546 - val_loss: 0.6626 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 22/1000
11/11 [=====] - ETA: 0s - loss: 0.6745 - accuracy: 0.5575
Epoch 22: val_loss improved from 0.66220 to 0.66087, saving model to tmp/Weights-0
22--0.66087.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6745 - accuracy:
0.5575 - val_loss: 0.6609 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 23/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6503 - accuracy: 0.6562
Epoch 23: val_loss improved from 0.66087 to 0.65879, saving model to tmp/Weights-0
23--0.65879.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6754 - accuracy:
0.5546 - val_loss: 0.6588 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 24/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7019 - accuracy: 0.5000
Epoch 24: val_loss did not improve from 0.65879
11/11 [=====] - 0s 8ms/step - loss: 0.6736 - accuracy: 0.
5115 - val_loss: 0.6596 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 25/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6819 - accuracy: 0.4062
Epoch 25: val_loss improved from 0.65879 to 0.65794, saving model to tmp/Weights-0
25--0.65794.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6727 - accuracy:
0.5431 - val_loss: 0.6579 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 26/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6729 - accuracy: 0.5156
Epoch 26: val_loss improved from 0.65794 to 0.65767, saving model to tmp/Weights-0
26--0.65767.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6713 - accuracy:
0.5144 - val_loss: 0.6577 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 27/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6094 - accuracy: 0.5000
Epoch 27: val_loss improved from 0.65767 to 0.65671, saving model to tmp/Weights-0
27--0.65671.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6709 - accuracy:
0.5862 - val_loss: 0.6567 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 28/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6920 - accuracy: 0.4688
Epoch 28: val_loss improved from 0.65671 to 0.65663, saving model to tmp/Weights-0
28--0.65663.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6702 - accuracy:
0.5460 - val_loss: 0.6566 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 29/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6333 - accuracy: 0.6250
Epoch 29: val_loss improved from 0.65663 to 0.65619, saving model to tmp/Weights-0
29--0.65619.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6682 - accuracy:
0.5517 - val_loss: 0.6562 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 30/1000
```

```
1/11 [=>.....] - ETA: 0s - loss: 0.6500 - accuracy: 0.5938
Epoch 30: val_loss improved from 0.65619 to 0.65590, saving model to tmp/Weights-0
30--0.65590.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6656 - accuracy:
0.5517 - val_loss: 0.6559 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 31/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6244 - accuracy: 0.5938
Epoch 31: val_loss improved from 0.65590 to 0.65457, saving model to tmp/Weights-0
31--0.65457.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6684 - accuracy:
0.5201 - val_loss: 0.6546 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 32/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7055 - accuracy: 0.4062
Epoch 32: val_loss improved from 0.65457 to 0.65424, saving model to tmp/Weights-0
32--0.65424.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6692 - accuracy:
0.5632 - val_loss: 0.6542 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 33/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6953 - accuracy: 0.4375
Epoch 33: val_loss improved from 0.65424 to 0.65391, saving model to tmp/Weights-0
33--0.65391.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6657 - accuracy:
0.5345 - val_loss: 0.6539 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 34/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7059 - accuracy: 0.4688
Epoch 34: val_loss did not improve from 0.65391
11/11 [=====] - 0s 7ms/step - loss: 0.6669 - accuracy: 0.
5489 - val_loss: 0.6543 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 35/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6576 - accuracy: 0.5938
Epoch 35: val_loss improved from 0.65391 to 0.65190, saving model to tmp/Weights-0
35--0.65190.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6641 - accuracy:
0.5575 - val_loss: 0.6519 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 36/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6858 - accuracy: 0.5312
Epoch 36: val_loss did not improve from 0.65190
11/11 [=====] - 0s 8ms/step - loss: 0.6649 - accuracy: 0.
5517 - val_loss: 0.6538 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 37/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6752 - accuracy: 0.5312
Epoch 37: val_loss improved from 0.65190 to 0.65092, saving model to tmp/Weights-0
37--0.65092.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6632 - accuracy:
0.5460 - val_loss: 0.6509 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 38/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6422 - accuracy: 0.5625
Epoch 38: val_loss did not improve from 0.65092
11/11 [=====] - 0s 9ms/step - loss: 0.6634 - accuracy: 0.
5632 - val_loss: 0.6528 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 39/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6725 - accuracy: 0.5938
Epoch 39: val_loss did not improve from 0.65092
11/11 [=====] - 0s 8ms/step - loss: 0.6624 - accuracy: 0.
5690 - val_loss: 0.6512 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 40/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6553 - accuracy: 0.5813
Epoch 40: val_loss improved from 0.65092 to 0.64979, saving model to tmp/Weights-0
40--0.64979.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6593 - accuracy:
0.5661 - val_loss: 0.6498 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 41/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6385 - accuracy: 0.5312
Epoch 41: val_loss did not improve from 0.64979
```

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11/11 [=====] - 0s 8ms/step - loss: 0.6581 - accuracy: 0.5460 - val_loss: 0.6508 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 42/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6458 - accuracy: 0.5625
Epoch 42: val_loss did not improve from 0.64979
11/11 [=====] - 0s 8ms/step - loss: 0.6601 - accuracy: 0.5661 - val_loss: 0.6506 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 43/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6760 - accuracy: 0.5625
Epoch 43: val_loss improved from 0.64979 to 0.64775, saving model to tmp/Weights-043--0.64775.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6568 - accuracy: 0.5718 - val_loss: 0.6477 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 44/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5903 - accuracy: 0.6875
Epoch 44: val_loss did not improve from 0.64775
11/11 [=====] - 0s 8ms/step - loss: 0.6567 - accuracy: 0.5517 - val_loss: 0.6490 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 45/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5277 - accuracy: 0.6875
Epoch 45: val_loss improved from 0.64775 to 0.64747, saving model to tmp/Weights-045--0.64747.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6550 - accuracy: 0.5747 - val_loss: 0.6475 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 46/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6916 - accuracy: 0.5000
Epoch 46: val_loss improved from 0.64747 to 0.64539, saving model to tmp/Weights-046--0.64539.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6544 - accuracy: 0.5747 - val_loss: 0.6454 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 47/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6451 - accuracy: 0.5625
Epoch 47: val_loss did not improve from 0.64539
11/11 [=====] - 0s 8ms/step - loss: 0.6583 - accuracy: 0.5517 - val_loss: 0.6503 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 48/1000
10/11 [======>...] - ETA: 0s - loss: 0.6557 - accuracy: 0.5656
Epoch 48: val_loss did not improve from 0.64539
11/11 [=====] - 0s 9ms/step - loss: 0.6620 - accuracy: 0.5575 - val_loss: 0.6513 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 49/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6904 - accuracy: 0.4688
Epoch 49: val_loss did not improve from 0.64539
11/11 [=====] - 0s 7ms/step - loss: 0.6561 - accuracy: 0.5402 - val_loss: 0.6463 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 50/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6884 - accuracy: 0.4688
Epoch 50: val_loss did not improve from 0.64539
11/11 [=====] - 0s 8ms/step - loss: 0.6545 - accuracy: 0.5603 - val_loss: 0.6467 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 51/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7038 - accuracy: 0.4688
Epoch 51: val_loss improved from 0.64539 to 0.64537, saving model to tmp/Weights-051--0.64537.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6540 - accuracy: 0.5690 - val_loss: 0.6454 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 52/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6666 - accuracy: 0.4375
Epoch 52: val_loss did not improve from 0.64537
11/11 [=====] - 0s 8ms/step - loss: 0.6575 - accuracy: 0.5431 - val_loss: 0.6456 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 53/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6356 - accuracy: 0.5000
Epoch 53: val_loss improved from 0.64537 to 0.64520, saving model to tmp/Weights-053--0.64520.hdf5
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53--0.64520.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6522 - accuracy: 0.5517 - val_loss: 0.6452 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 54/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6553 - accuracy: 0.6562
Epoch 54: val_loss improved from 0.64520 to 0.63992, saving model to tmp/Weights-0
54--0.63992.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6505 - accuracy: 0.5747 - val_loss: 0.6399 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 55/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7012 - accuracy: 0.4688
Epoch 55: val_loss did not improve from 0.63992
11/11 [=====] - 0s 9ms/step - loss: 0.6486 - accuracy: 0.5690 - val_loss: 0.6443 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 56/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6854 - accuracy: 0.6250
Epoch 56: val_loss did not improve from 0.63992
11/11 [=====] - 0s 9ms/step - loss: 0.6480 - accuracy: 0.5747 - val_loss: 0.6408 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 57/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6222 - accuracy: 0.4688
Epoch 57: val_loss improved from 0.63992 to 0.63765, saving model to tmp/Weights-0
57--0.63765.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6467 - accuracy: 0.5805 - val_loss: 0.6377 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 58/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6681 - accuracy: 0.5312
Epoch 58: val_loss improved from 0.63765 to 0.63664, saving model to tmp/Weights-0
58--0.63664.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6438 - accuracy: 0.5833 - val_loss: 0.6366 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 59/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6349 - accuracy: 0.5312
Epoch 59: val_loss improved from 0.63664 to 0.63642, saving model to tmp/Weights-0
59--0.63642.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6510 - accuracy: 0.5862 - val_loss: 0.6364 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 60/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6455 - accuracy: 0.5875
Epoch 60: val_loss did not improve from 0.63642
11/11 [=====] - 0s 11ms/step - loss: 0.6465 - accuracy: 0.5862 - val_loss: 0.6376 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 61/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6359 - accuracy: 0.5312
Epoch 61: val_loss improved from 0.63642 to 0.63613, saving model to tmp/Weights-0
61--0.63613.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6416 - accuracy: 0.5862 - val_loss: 0.6361 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 62/1000
11/11 [=====] - ETA: 0s - loss: 0.6403 - accuracy: 0.5776
Epoch 62: val_loss did not improve from 0.63613
11/11 [=====] - 0s 9ms/step - loss: 0.6403 - accuracy: 0.5776 - val_loss: 0.6381 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 63/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6936 - accuracy: 0.4375
Epoch 63: val_loss improved from 0.63613 to 0.63567, saving model to tmp/Weights-0
63--0.63567.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6406 - accuracy: 0.5920 - val_loss: 0.6357 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 64/1000
11/11 [=====] - ETA: 0s - loss: 0.6417 - accuracy: 0.5805
Epoch 64: val_loss did not improve from 0.63567
11/11 [=====] - 0s 10ms/step - loss: 0.6417 - accuracy: 0.5805 - val_loss: 0.6404 - val_accuracy: 0.5800 - lr: 0.0090
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Epoch 65/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6452 - accuracy: 0.5312
Epoch 65: val_loss improved from 0.63567 to 0.63335, saving model to tmp/Weights-0
65--0.63335.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6393 - accuracy:
0.6034 - val_loss: 0.6334 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 66/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6715 - accuracy: 0.4062
Epoch 66: val_loss improved from 0.63335 to 0.63081, saving model to tmp/Weights-0
66--0.63081.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6392 - accuracy:
0.5661 - val_loss: 0.6308 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 67/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5515 - accuracy: 0.7812
Epoch 67: val_loss did not improve from 0.63081
11/11 [=====] - 0s 8ms/step - loss: 0.6364 - accuracy: 0.
6034 - val_loss: 0.6326 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 68/1000
11/11 [=====] - ETA: 0s - loss: 0.6369 - accuracy: 0.5747
Epoch 68: val_loss did not improve from 0.63081
11/11 [=====] - 0s 10ms/step - loss: 0.6369 - accuracy:
0.5747 - val_loss: 0.6338 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 69/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6537 - accuracy: 0.5000
Epoch 69: val_loss did not improve from 0.63081
11/11 [=====] - 0s 9ms/step - loss: 0.6343 - accuracy: 0.
5632 - val_loss: 0.6333 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 70/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6664 - accuracy: 0.5000
Epoch 70: val_loss did not improve from 0.63081
11/11 [=====] - 0s 9ms/step - loss: 0.6343 - accuracy: 0.
5661 - val_loss: 0.6345 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 71/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6068 - accuracy: 0.5938
Epoch 71: val_loss improved from 0.63081 to 0.62972, saving model to tmp/Weights-0
71--0.62972.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6346 - accuracy:
0.5805 - val_loss: 0.6297 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 72/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6219 - accuracy: 0.5938
Epoch 72: val_loss did not improve from 0.62972
11/11 [=====] - 0s 7ms/step - loss: 0.6305 - accuracy: 0.
6264 - val_loss: 0.6307 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 73/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6622 - accuracy: 0.4688
Epoch 73: val_loss improved from 0.62972 to 0.62621, saving model to tmp/Weights-0
73--0.62621.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6313 - accuracy:
0.6322 - val_loss: 0.6262 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 74/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5986 - accuracy: 0.5938
Epoch 74: val_loss did not improve from 0.62621
11/11 [=====] - 0s 7ms/step - loss: 0.6345 - accuracy: 0.
5977 - val_loss: 0.6333 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 75/1000
11/11 [=====] - ETA: 0s - loss: 0.6314 - accuracy: 0.5805
Epoch 75: val_loss did not improve from 0.62621
11/11 [=====] - 0s 11ms/step - loss: 0.6314 - accuracy:
0.5805 - val_loss: 0.6279 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 76/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6367 - accuracy: 0.5312
Epoch 76: val_loss did not improve from 0.62621
11/11 [=====] - 0s 7ms/step - loss: 0.6307 - accuracy: 0.
6322 - val_loss: 0.6325 - val_accuracy: 0.5933 - lr: 0.0090
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Epoch 77/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6406 - accuracy: 0.5625
Epoch 77: val_loss improved from 0.62621 to 0.62421, saving model to tmp/Weights-0
77--0.62421.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6291 - accuracy: 0.6006 - val_loss: 0.6242 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 78/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6803 - accuracy: 0.4062
Epoch 78: val_loss did not improve from 0.62421
11/11 [=====] - 0s 9ms/step - loss: 0.6277 - accuracy: 0.5948 - val_loss: 0.6305 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 79/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6719 - accuracy: 0.5312
Epoch 79: val_loss did not improve from 0.62421
11/11 [=====] - 0s 9ms/step - loss: 0.6257 - accuracy: 0.6034 - val_loss: 0.6244 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 80/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6069 - accuracy: 0.5938
Epoch 80: val_loss did not improve from 0.62421
11/11 [=====] - 0s 8ms/step - loss: 0.6239 - accuracy: 0.6207 - val_loss: 0.6271 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 81/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6513 - accuracy: 0.6250
Epoch 81: val_loss improved from 0.62421 to 0.62298, saving model to tmp/Weights-0
81--0.62298.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6248 - accuracy: 0.6264 - val_loss: 0.6230 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 82/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5757 - accuracy: 0.6875
Epoch 82: val_loss did not improve from 0.62298
11/11 [=====] - 0s 7ms/step - loss: 0.6233 - accuracy: 0.6264 - val_loss: 0.6235 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 83/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5645 - accuracy: 0.6562
Epoch 83: val_loss did not improve from 0.62298
11/11 [=====] - 0s 9ms/step - loss: 0.6261 - accuracy: 0.5833 - val_loss: 0.6275 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 84/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6380 - accuracy: 0.4375
Epoch 84: val_loss did not improve from 0.62298
11/11 [=====] - 0s 9ms/step - loss: 0.6209 - accuracy: 0.6322 - val_loss: 0.6260 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 85/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6205 - accuracy: 0.5938
Epoch 85: val_loss did not improve from 0.62298
11/11 [=====] - 0s 8ms/step - loss: 0.6282 - accuracy: 0.6063 - val_loss: 0.6357 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 86/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6072 - accuracy: 0.5625
Epoch 86: val_loss did not improve from 0.62298
11/11 [=====] - 0s 7ms/step - loss: 0.6279 - accuracy: 0.5977 - val_loss: 0.6271 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 87/1000
11/11 [=====] - ETA: 0s - loss: 0.6230 - accuracy: 0.6063
Epoch 87: val_loss did not improve from 0.62298
11/11 [=====] - 0s 10ms/step - loss: 0.6230 - accuracy: 0.6063 - val_loss: 0.6278 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 88/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6231 - accuracy: 0.6250
Epoch 88: val_loss did not improve from 0.62298
11/11 [=====] - 0s 8ms/step - loss: 0.6235 - accuracy: 0.6236 - val_loss: 0.6296 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 89/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6213 - accuracy: 0.6094
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Epoch 89: val_loss did not improve from 0.62298
11/11 [=====] - 0s 9ms/step - loss: 0.6190 - accuracy: 0.
6178 - val_loss: 0.6270 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 90/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5671 - accuracy: 0.7500
Epoch 90: val_loss did not improve from 0.62298
11/11 [=====] - 0s 8ms/step - loss: 0.6244 - accuracy: 0.
5891 - val_loss: 0.6394 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 91/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6072 - accuracy: 0.6875
Epoch 91: val_loss improved from 0.62298 to 0.61909, saving model to tmp/Weights-0
91--0.61909.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6281 - accuracy: 0.
6034 - val_loss: 0.6191 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 92/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5743 - accuracy: 0.6250
Epoch 92: val_loss did not improve from 0.61909
11/11 [=====] - 0s 8ms/step - loss: 0.6192 - accuracy: 0.
6207 - val_loss: 0.6319 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 93/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6459 - accuracy: 0.7500
Epoch 93: val_loss did not improve from 0.61909
11/11 [=====] - 0s 8ms/step - loss: 0.6250 - accuracy: 0.
5948 - val_loss: 0.6281 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 94/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6265 - accuracy: 0.5625
Epoch 94: val_loss did not improve from 0.61909
11/11 [=====] - 0s 10ms/step - loss: 0.6246 - accuracy: 0.
6580 - val_loss: 0.6217 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 95/1000
11/11 [=====] - ETA: 0s - loss: 0.6195 - accuracy: 0.6466
Epoch 95: val_loss did not improve from 0.61909
11/11 [=====] - 0s 10ms/step - loss: 0.6195 - accuracy: 0.
6466 - val_loss: 0.6295 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 96/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6233 - accuracy: 0.6562
Epoch 96: val_loss did not improve from 0.61909
11/11 [=====] - 0s 9ms/step - loss: 0.6200 - accuracy: 0.
6322 - val_loss: 0.6221 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 97/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6609 - accuracy: 0.6562
Epoch 97: val_loss did not improve from 0.61909
11/11 [=====] - 0s 8ms/step - loss: 0.6156 - accuracy: 0.
6782 - val_loss: 0.6195 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 98/1000
11/11 [=====] - ETA: 0s - loss: 0.6169 - accuracy: 0.6580
Epoch 98: val_loss did not improve from 0.61909
11/11 [=====] - 0s 9ms/step - loss: 0.6169 - accuracy: 0.
6580 - val_loss: 0.6219 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 99/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6369 - accuracy: 0.6875
Epoch 99: val_loss did not improve from 0.61909
11/11 [=====] - 0s 9ms/step - loss: 0.6152 - accuracy: 0.
6437 - val_loss: 0.6288 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 100/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6672 - accuracy: 0.5625
Epoch 100: val_loss did not improve from 0.61909
11/11 [=====] - 0s 10ms/step - loss: 0.6183 - accuracy: 0.
6466 - val_loss: 0.6256 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 101/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5710 - accuracy: 0.7812
Epoch 101: val_loss did not improve from 0.61909
11/11 [=====] - 0s 9ms/step - loss: 0.6189 - accuracy: 0.
6667 - val_loss: 0.6217 - val_accuracy: 0.6200 - lr: 0.0090
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Epoch 102/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5921 - accuracy: 0.7500
Epoch 102: val_loss did not improve from 0.61909
11/11 [=====] - 0s 8ms/step - loss: 0.6199 - accuracy: 0.
6523 - val_loss: 0.6367 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 103/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6418 - accuracy: 0.5938
Epoch 103: val_loss improved from 0.61909 to 0.61478, saving model to tmp/Weights-
103--0.61478.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6227 - accuracy:
0.6552 - val_loss: 0.6148 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 104/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5923 - accuracy: 0.6562
Epoch 104: val_loss did not improve from 0.61478
11/11 [=====] - 0s 9ms/step - loss: 0.6125 - accuracy: 0.
6351 - val_loss: 0.6356 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 105/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5589 - accuracy: 0.8438
Epoch 105: val_loss did not improve from 0.61478
11/11 [=====] - 0s 9ms/step - loss: 0.6103 - accuracy: 0.
6753 - val_loss: 0.6173 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 106/1000
11/11 [=====] - ETA: 0s - loss: 0.6121 - accuracy: 0.6609
Epoch 106: val_loss did not improve from 0.61478
11/11 [=====] - 0s 10ms/step - loss: 0.6121 - accuracy:
0.6609 - val_loss: 0.6272 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 107/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6126 - accuracy: 0.6875
Epoch 107: val_loss did not improve from 0.61478
11/11 [=====] - 0s 9ms/step - loss: 0.6169 - accuracy: 0.
6437 - val_loss: 0.6252 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 108/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5684 - accuracy: 0.6875
Epoch 108: val_loss did not improve from 0.61478
11/11 [=====] - 0s 9ms/step - loss: 0.6086 - accuracy: 0.
6810 - val_loss: 0.6193 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 109/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6015 - accuracy: 0.6562
Epoch 109: val_loss did not improve from 0.61478
11/11 [=====] - 0s 8ms/step - loss: 0.6114 - accuracy: 0.
6638 - val_loss: 0.6231 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 110/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5945 - accuracy: 0.6875
Epoch 110: val_loss did not improve from 0.61478
11/11 [=====] - 0s 9ms/step - loss: 0.6088 - accuracy: 0.
6552 - val_loss: 0.6164 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 111/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5977 - accuracy: 0.7188
Epoch 111: val_loss did not improve from 0.61478
11/11 [=====] - 0s 8ms/step - loss: 0.6075 - accuracy: 0.
6695 - val_loss: 0.6203 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 112/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6052 - accuracy: 0.6719
Epoch 112: val_loss improved from 0.61478 to 0.61044, saving model to tmp/Weights-
112--0.61044.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6052 - accuracy:
0.6667 - val_loss: 0.6104 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 113/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6559 - accuracy: 0.6250
Epoch 113: val_loss did not improve from 0.61044
11/11 [=====] - 0s 8ms/step - loss: 0.6114 - accuracy: 0.
6897 - val_loss: 0.6255 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 114/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6430 - accuracy: 0.5938
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Epoch 114: val_loss did not improve from 0.61044
11/11 [=====] - 0s 8ms/step - loss: 0.6046 - accuracy: 0.
6753 - val_loss: 0.6136 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 115/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5681 - accuracy: 0.7500
Epoch 115: val_loss did not improve from 0.61044
11/11 [=====] - 0s 8ms/step - loss: 0.6032 - accuracy: 0.
6695 - val_loss: 0.6120 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 116/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6286 - accuracy: 0.6562
Epoch 116: val_loss did not improve from 0.61044
11/11 [=====] - 0s 8ms/step - loss: 0.6028 - accuracy: 0.
6695 - val_loss: 0.6192 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 117/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6314 - accuracy: 0.5938
Epoch 117: val_loss did not improve from 0.61044
11/11 [=====] - 0s 8ms/step - loss: 0.6040 - accuracy: 0.
6609 - val_loss: 0.6188 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 118/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5710 - accuracy: 0.6875
Epoch 118: val_loss improved from 0.61044 to 0.60983, saving model to tmp/Weights-118--0.60983.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5998 - accuracy: 0.
6695 - val_loss: 0.6098 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 119/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5382 - accuracy: 0.6250
Epoch 119: val_loss did not improve from 0.60983
11/11 [=====] - 0s 9ms/step - loss: 0.6026 - accuracy: 0.
6839 - val_loss: 0.6243 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 120/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6144 - accuracy: 0.6875
Epoch 120: val_loss did not improve from 0.60983
11/11 [=====] - 0s 10ms/step - loss: 0.6013 - accuracy: 0.
6753 - val_loss: 0.6109 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 121/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6289 - accuracy: 0.5312
Epoch 121: val_loss did not improve from 0.60983
11/11 [=====] - 0s 9ms/step - loss: 0.5984 - accuracy: 0.
6437 - val_loss: 0.6171 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 122/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5312 - accuracy: 0.7812
Epoch 122: val_loss did not improve from 0.60983
11/11 [=====] - 0s 9ms/step - loss: 0.5980 - accuracy: 0.
6494 - val_loss: 0.6115 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 123/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5978 - accuracy: 0.6594
Epoch 123: val_loss did not improve from 0.60983
11/11 [=====] - 0s 10ms/step - loss: 0.5980 - accuracy: 0.
6580 - val_loss: 0.6194 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 124/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5286 - accuracy: 0.8125
Epoch 124: val_loss did not improve from 0.60983
11/11 [=====] - 0s 8ms/step - loss: 0.5990 - accuracy: 0.
6753 - val_loss: 0.6218 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 125/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5955 - accuracy: 0.5625
Epoch 125: val_loss did not improve from 0.60983
11/11 [=====] - 0s 8ms/step - loss: 0.5994 - accuracy: 0.
6437 - val_loss: 0.6156 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 126/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6090 - accuracy: 0.5625
Epoch 126: val_loss did not improve from 0.60983
11/11 [=====] - 0s 9ms/step - loss: 0.6014 - accuracy: 0.
6724 - val_loss: 0.6203 - val_accuracy: 0.6400 - lr: 0.0090
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Epoch 127/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5780 - accuracy: 0.6875
Epoch 127: val_loss did not improve from 0.60983
11/11 [=====] - 0s 8ms/step - loss: 0.5958 - accuracy: 0.
6494 - val_loss: 0.6136 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 128/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5958 - accuracy: 0.6656
Epoch 128: val_loss did not improve from 0.60983
11/11 [=====] - 0s 11ms/step - loss: 0.5988 - accuracy:
0.6580 - val_loss: 0.6177 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 129/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5889 - accuracy: 0.6875
Epoch 129: val_loss did not improve from 0.60983
11/11 [=====] - 0s 9ms/step - loss: 0.5940 - accuracy: 0.
6609 - val_loss: 0.6112 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 130/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6332 - accuracy: 0.5000
Epoch 130: val_loss did not improve from 0.60983
11/11 [=====] - 0s 8ms/step - loss: 0.5950 - accuracy: 0.
6466 - val_loss: 0.6171 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 131/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6458 - accuracy: 0.5938
Epoch 131: val_loss improved from 0.60983 to 0.60960, saving model to tmp/Weights-
131--0.60960.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5949 - accuracy:
0.6638 - val_loss: 0.6096 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 132/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5650 - accuracy: 0.7188
Epoch 132: val_loss did not improve from 0.60960
11/11 [=====] - 0s 8ms/step - loss: 0.5948 - accuracy: 0.
6839 - val_loss: 0.6119 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 133/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6414 - accuracy: 0.6562
Epoch 133: val_loss did not improve from 0.60960
11/11 [=====] - 0s 8ms/step - loss: 0.5954 - accuracy: 0.
6494 - val_loss: 0.6221 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 134/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6391 - accuracy: 0.5938
Epoch 134: val_loss improved from 0.60960 to 0.60720, saving model to tmp/Weights-
134--0.60720.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5945 - accuracy:
0.6552 - val_loss: 0.6072 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 135/1000
11/11 [=====] - ETA: 0s - loss: 0.5926 - accuracy: 0.6695
Epoch 135: val_loss did not improve from 0.60720
11/11 [=====] - 0s 10ms/step - loss: 0.5926 - accuracy:
0.6695 - val_loss: 0.6172 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 136/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5735 - accuracy: 0.6875
Epoch 136: val_loss did not improve from 0.60720
11/11 [=====] - 0s 8ms/step - loss: 0.5936 - accuracy: 0.
6782 - val_loss: 0.6130 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 137/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5555 - accuracy: 0.7188
Epoch 137: val_loss did not improve from 0.60720
11/11 [=====] - 0s 8ms/step - loss: 0.5941 - accuracy: 0.
6638 - val_loss: 0.6124 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 138/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5968 - accuracy: 0.6562
Epoch 138: val_loss did not improve from 0.60720
11/11 [=====] - 0s 8ms/step - loss: 0.5994 - accuracy: 0.
6494 - val_loss: 0.6157 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 139/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6058 - accuracy: 0.5938
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Epoch 139: val_loss did not improve from 0.60720
11/11 [=====] - 0s 8ms/step - loss: 0.5906 - accuracy: 0.
6552 - val_loss: 0.6141 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 140/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5481 - accuracy: 0.7500
Epoch 140: val_loss did not improve from 0.60720
11/11 [=====] - 0s 9ms/step - loss: 0.5878 - accuracy: 0.
6724 - val_loss: 0.6129 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 141/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5320 - accuracy: 0.7500
Epoch 141: val_loss did not improve from 0.60720
11/11 [=====] - 0s 8ms/step - loss: 0.5903 - accuracy: 0.
6638 - val_loss: 0.6186 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 142/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5384 - accuracy: 0.6562
Epoch 142: val_loss did not improve from 0.60720
11/11 [=====] - 0s 8ms/step - loss: 0.5946 - accuracy: 0.
6609 - val_loss: 0.6120 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 143/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5510 - accuracy: 0.7188
Epoch 143: val_loss did not improve from 0.60720
11/11 [=====] - 0s 9ms/step - loss: 0.5914 - accuracy: 0.
6753 - val_loss: 0.6172 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 144/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5552 - accuracy: 0.6562
Epoch 144: val_loss did not improve from 0.60720
11/11 [=====] - 0s 9ms/step - loss: 0.5880 - accuracy: 0.
6609 - val_loss: 0.6110 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 145/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4996 - accuracy: 0.8125
Epoch 145: val_loss improved from 0.60720 to 0.60571, saving model to tmp/Weights-145--0.60571.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5925 - accuracy: 0.
6523 - val_loss: 0.6057 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 146/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6183 - accuracy: 0.7188
Epoch 146: val_loss did not improve from 0.60571
11/11 [=====] - 0s 8ms/step - loss: 0.5859 - accuracy: 0.
6523 - val_loss: 0.6144 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 147/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5895 - accuracy: 0.6250
Epoch 147: val_loss did not improve from 0.60571
11/11 [=====] - 0s 8ms/step - loss: 0.5842 - accuracy: 0.
6351 - val_loss: 0.6140 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 148/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6145 - accuracy: 0.6562
Epoch 148: val_loss improved from 0.60571 to 0.60132, saving model to tmp/Weights-148--0.60132.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5836 - accuracy: 0.
6695 - val_loss: 0.6013 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 149/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5955 - accuracy: 0.7188
Epoch 149: val_loss did not improve from 0.60132
11/11 [=====] - 0s 9ms/step - loss: 0.5872 - accuracy: 0.
6724 - val_loss: 0.6180 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 150/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5336 - accuracy: 0.7188
Epoch 150: val_loss did not improve from 0.60132
11/11 [=====] - 0s 9ms/step - loss: 0.5926 - accuracy: 0.
6782 - val_loss: 0.6093 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 151/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5158 - accuracy: 0.7188
Epoch 151: val_loss did not improve from 0.60132
11/11 [=====] - 0s 9ms/step - loss: 0.5869 - accuracy: 0.
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6523 - val_loss: 0.6110 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 152/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5815 - accuracy: 0.6875
Epoch 152: val_loss did not improve from 0.60132
11/11 [=====] - 0s 9ms/step - loss: 0.5850 - accuracy: 0.
6580 - val_loss: 0.6138 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 153/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5756 - accuracy: 0.6687
Epoch 153: val_loss did not improve from 0.60132
11/11 [=====] - 0s 10ms/step - loss: 0.5803 - accuracy:
0.6667 - val_loss: 0.6032 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 154/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5367 - accuracy: 0.7812
Epoch 154: val_loss did not improve from 0.60132
11/11 [=====] - 0s 8ms/step - loss: 0.5863 - accuracy: 0.
6839 - val_loss: 0.6196 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 155/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5439 - accuracy: 0.7500
Epoch 155: val_loss improved from 0.60132 to 0.59847, saving model to tmp/Weights-
155--0.59847.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5847 - accuracy:
0.6466 - val_loss: 0.5985 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 156/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5740 - accuracy: 0.5938
Epoch 156: val_loss did not improve from 0.59847
11/11 [=====] - 0s 9ms/step - loss: 0.5805 - accuracy: 0.
6782 - val_loss: 0.6098 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 157/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5353 - accuracy: 0.7812
Epoch 157: val_loss did not improve from 0.59847
11/11 [=====] - 0s 9ms/step - loss: 0.5812 - accuracy: 0.
6695 - val_loss: 0.6013 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 158/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5414 - accuracy: 0.6875
Epoch 158: val_loss did not improve from 0.59847
11/11 [=====] - 0s 8ms/step - loss: 0.5798 - accuracy: 0.
6753 - val_loss: 0.6093 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 159/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5819 - accuracy: 0.6687
Epoch 159: val_loss did not improve from 0.59847
11/11 [=====] - 0s 10ms/step - loss: 0.5810 - accuracy:
0.6695 - val_loss: 0.6185 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 160/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5366 - accuracy: 0.6250
Epoch 160: val_loss did not improve from 0.59847
11/11 [=====] - 0s 10ms/step - loss: 0.5899 - accuracy:
0.6638 - val_loss: 0.6064 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 161/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5934 - accuracy: 0.6562
Epoch 161: val_loss did not improve from 0.59847
11/11 [=====] - 0s 9ms/step - loss: 0.5862 - accuracy: 0.
6638 - val_loss: 0.6258 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 162/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5850 - accuracy: 0.6562
Epoch 162: val_loss did not improve from 0.59847
11/11 [=====] - 0s 9ms/step - loss: 0.5809 - accuracy: 0.
6868 - val_loss: 0.6029 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 163/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5464 - accuracy: 0.7188
Epoch 163: val_loss did not improve from 0.59847
11/11 [=====] - 0s 9ms/step - loss: 0.5801 - accuracy: 0.
6523 - val_loss: 0.5998 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 164/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5898 - accuracy: 0.7188
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Epoch 164: val_loss did not improve from 0.59847
11/11 [=====] - 0s 10ms/step - loss: 0.5795 - accuracy: 0.6782 - val_loss: 0.5999 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 165/1000
11/11 [=====] - ETA: 0s - loss: 0.5789 - accuracy: 0.6782
Epoch 165: val_loss did not improve from 0.59847
11/11 [=====] - 0s 11ms/step - loss: 0.5789 - accuracy: 0.6782 - val_loss: 0.6010 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 166/1000
11/11 [=====] - ETA: 0s - loss: 0.5796 - accuracy: 0.6839
Epoch 166: val_loss improved from 0.59847 to 0.59512, saving model to tmp/Weights-166--0.59512.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5796 - accuracy: 0.6839 - val_loss: 0.5951 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 167/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6124 - accuracy: 0.6875
Epoch 167: val_loss did not improve from 0.59512
11/11 [=====] - 0s 8ms/step - loss: 0.5754 - accuracy: 0.6753 - val_loss: 0.6160 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 168/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5545 - accuracy: 0.7188
Epoch 168: val_loss improved from 0.59512 to 0.57923, saving model to tmp/Weights-168--0.57923.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5738 - accuracy: 0.6954 - val_loss: 0.5792 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 169/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5627 - accuracy: 0.6875
Epoch 169: val_loss did not improve from 0.57923
11/11 [=====] - 0s 9ms/step - loss: 0.5682 - accuracy: 0.6810 - val_loss: 0.5907 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 170/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5376 - accuracy: 0.6562
Epoch 170: val_loss did not improve from 0.57923
11/11 [=====] - 0s 8ms/step - loss: 0.5758 - accuracy: 0.6552 - val_loss: 0.6009 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 171/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5137 - accuracy: 0.7188
Epoch 171: val_loss did not improve from 0.57923
11/11 [=====] - 0s 8ms/step - loss: 0.5774 - accuracy: 0.6753 - val_loss: 0.5822 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 172/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5693 - accuracy: 0.5938
Epoch 172: val_loss did not improve from 0.57923
11/11 [=====] - 0s 9ms/step - loss: 0.5752 - accuracy: 0.6379 - val_loss: 0.6049 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 173/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5670 - accuracy: 0.6875
Epoch 173: val_loss did not improve from 0.57923
11/11 [=====] - 0s 8ms/step - loss: 0.5776 - accuracy: 0.6695 - val_loss: 0.5885 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 174/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5935 - accuracy: 0.7812
Epoch 174: val_loss did not improve from 0.57923
11/11 [=====] - 0s 9ms/step - loss: 0.5710 - accuracy: 0.6868 - val_loss: 0.5909 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 175/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5983 - accuracy: 0.5312
Epoch 175: val_loss did not improve from 0.57923
11/11 [=====] - 0s 9ms/step - loss: 0.5696 - accuracy: 0.6753 - val_loss: 0.5835 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 176/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6252 - accuracy: 0.6562
Epoch 176: val_loss did not improve from 0.57923
11/11 [=====] - 0s 9ms/step - loss: 0.5696 - accuracy: 0.
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6494 - val_loss: 0.5916 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 177/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6167 - accuracy: 0.5938
Epoch 177: val_loss improved from 0.57923 to 0.57210, saving model to tmp/Weights-177--0.57210.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5686 - accuracy: 0.6897
0.5721 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 178/1000
11/11 [=====] - ETA: 0s - loss: 0.5713 - accuracy: 0.6839
Epoch 178: val_loss did not improve from 0.57210
11/11 [=====] - 0s 11ms/step - loss: 0.5713 - accuracy: 0.6839
0.6096 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 179/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6025 - accuracy: 0.6562
Epoch 179: val_loss did not improve from 0.57210
11/11 [=====] - 0s 9ms/step - loss: 0.5687 - accuracy: 0.6724
0.5799 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 180/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5067 - accuracy: 0.7500
Epoch 180: val_loss did not improve from 0.57210
11/11 [=====] - 0s 9ms/step - loss: 0.5692 - accuracy: 0.6609
0.5885 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 181/1000
11/11 [=====] - ETA: 0s - loss: 0.5677 - accuracy: 0.6638
Epoch 181: val_loss did not improve from 0.57210
11/11 [=====] - 0s 11ms/step - loss: 0.5677 - accuracy: 0.6638
0.5760 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 182/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5710 - accuracy: 0.6875
Epoch 182: val_loss did not improve from 0.57210
11/11 [=====] - 0s 9ms/step - loss: 0.5652 - accuracy: 0.6580
0.5815 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 183/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5976 - accuracy: 0.6250
Epoch 183: val_loss did not improve from 0.57210
11/11 [=====] - 0s 9ms/step - loss: 0.5600 - accuracy: 0.6552
0.5930 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 184/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6025 - accuracy: 0.5938
Epoch 184: val_loss did not improve from 0.57210
11/11 [=====] - 0s 9ms/step - loss: 0.5680 - accuracy: 0.6466
0.5810 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 185/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5458 - accuracy: 0.7500
Epoch 185: val_loss did not improve from 0.57210
11/11 [=====] - 0s 9ms/step - loss: 0.5693 - accuracy: 0.6638
0.5830 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 186/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5748 - accuracy: 0.6562
Epoch 186: val_loss did not improve from 0.57210
11/11 [=====] - 0s 9ms/step - loss: 0.5614 - accuracy: 0.6695
0.5878 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 187/1000
11/11 [=====] - ETA: 0s - loss: 0.5657 - accuracy: 0.6580
Epoch 187: val_loss did not improve from 0.57210
11/11 [=====] - 0s 11ms/step - loss: 0.5657 - accuracy: 0.6580
0.5842 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 188/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5138 - accuracy: 0.7500
Epoch 188: val_loss did not improve from 0.57210
11/11 [=====] - 0s 8ms/step - loss: 0.5558 - accuracy: 0.6609
0.5834 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 189/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4990 - accuracy: 0.7500
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Epoch 189: val_loss did not improve from 0.57210
11/11 [=====] - 0s 9ms/step - loss: 0.5576 - accuracy: 0.
6609 - val_loss: 0.5788 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 190/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6024 - accuracy: 0.6250
Epoch 190: val_loss did not improve from 0.57210
11/11 [=====] - 0s 9ms/step - loss: 0.5606 - accuracy: 0.
6724 - val_loss: 0.5870 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 191/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5819 - accuracy: 0.6250
Epoch 191: val_loss did not improve from 0.57210
11/11 [=====] - 0s 9ms/step - loss: 0.5688 - accuracy: 0.
6322 - val_loss: 0.5778 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 192/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5186 - accuracy: 0.6562
Epoch 192: val_loss did not improve from 0.57210
11/11 [=====] - 0s 9ms/step - loss: 0.5688 - accuracy: 0.
6293 - val_loss: 0.5773 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 193/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6068 - accuracy: 0.6562
Epoch 193: val_loss did not improve from 0.57210
11/11 [=====] - 0s 9ms/step - loss: 0.5625 - accuracy: 0.
6552 - val_loss: 0.5832 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 194/1000
11/11 [=====] - ETA: 0s - loss: 0.5643 - accuracy: 0.6753
Epoch 194: val_loss did not improve from 0.57210
11/11 [=====] - 0s 11ms/step - loss: 0.5643 - accuracy: 0.
6753 - val_loss: 0.6029 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 195/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5597 - accuracy: 0.7500
Epoch 195: val_loss did not improve from 0.57210
11/11 [=====] - 0s 10ms/step - loss: 0.5662 - accuracy: 0.
6466 - val_loss: 0.5929 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 196/1000
11/11 [=====] - ETA: 0s - loss: 0.5681 - accuracy: 0.6494
Epoch 196: val_loss did not improve from 0.57210
11/11 [=====] - 0s 11ms/step - loss: 0.5681 - accuracy: 0.
6494 - val_loss: 0.5843 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 197/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5783 - accuracy: 0.5938
Epoch 197: val_loss did not improve from 0.57210
11/11 [=====] - 0s 9ms/step - loss: 0.5620 - accuracy: 0.
6379 - val_loss: 0.6046 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 198/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5078 - accuracy: 0.7500
Epoch 198: val_loss did not improve from 0.57210
11/11 [=====] - 0s 9ms/step - loss: 0.5562 - accuracy: 0.
6580 - val_loss: 0.5913 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 199/1000
11/11 [=====] - ETA: 0s - loss: 0.5589 - accuracy: 0.6494
Epoch 199: val_loss did not improve from 0.57210
11/11 [=====] - 0s 10ms/step - loss: 0.5589 - accuracy: 0.
6494 - val_loss: 0.5820 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 200/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6024 - accuracy: 0.5312
Epoch 200: val_loss did not improve from 0.57210
11/11 [=====] - 0s 10ms/step - loss: 0.5594 - accuracy: 0.
6609 - val_loss: 0.5952 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 201/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5343 - accuracy: 0.6250
Epoch 201: val_loss did not improve from 0.57210
11/11 [=====] - 0s 9ms/step - loss: 0.5512 - accuracy: 0.
6609 - val_loss: 0.5842 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 202/1000
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11/11 [=====] - ETA: 0s - loss: 0.5528 - accuracy: 0.6466
Epoch 202: val_loss did not improve from 0.57210
11/11 [=====] - 0s 11ms/step - loss: 0.5528 - accuracy: 0.6466 - val_loss: 0.5907 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 203/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5283 - accuracy: 0.7500
Epoch 203: val_loss did not improve from 0.57210
11/11 [=====] - 0s 10ms/step - loss: 0.5536 - accuracy: 0.6494 - val_loss: 0.5888 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 204/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5568 - accuracy: 0.7188
Epoch 204: val_loss did not improve from 0.57210
11/11 [=====] - 0s 10ms/step - loss: 0.5490 - accuracy: 0.6695 - val_loss: 0.5783 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 205/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5231 - accuracy: 0.6875
Epoch 205: val_loss did not improve from 0.57210
11/11 [=====] - 0s 10ms/step - loss: 0.5534 - accuracy: 0.6580 - val_loss: 0.6033 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 206/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5168 - accuracy: 0.6562
Epoch 206: val_loss did not improve from 0.57210
11/11 [=====] - 0s 8ms/step - loss: 0.5546 - accuracy: 0.6609 - val_loss: 0.5977 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 207/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6394 - accuracy: 0.5312
Epoch 207: val_loss did not improve from 0.57210
11/11 [=====] - 0s 10ms/step - loss: 0.5616 - accuracy: 0.6379 - val_loss: 0.5763 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 208/1000
11/11 [=====] - ETA: 0s - loss: 0.5579 - accuracy: 0.6264
Epoch 208: val_loss did not improve from 0.57210
11/11 [=====] - 0s 11ms/step - loss: 0.5579 - accuracy: 0.6264 - val_loss: 0.6000 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 209/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6062 - accuracy: 0.5938
Epoch 209: val_loss did not improve from 0.57210
11/11 [=====] - 0s 10ms/step - loss: 0.5515 - accuracy: 0.6609 - val_loss: 0.5824 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 210/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6048 - accuracy: 0.5938
Epoch 210: val_loss did not improve from 0.57210
11/11 [=====] - 0s 9ms/step - loss: 0.5478 - accuracy: 0.6552 - val_loss: 0.6011 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 211/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5609 - accuracy: 0.6562
Epoch 211: val_loss did not improve from 0.57210
11/11 [=====] - 0s 9ms/step - loss: 0.5604 - accuracy: 0.6523 - val_loss: 0.5821 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 212/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5630 - accuracy: 0.6375
Epoch 212: val_loss did not improve from 0.57210
11/11 [=====] - 0s 11ms/step - loss: 0.5600 - accuracy: 0.6466 - val_loss: 0.5829 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 213/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6062 - accuracy: 0.5312
Epoch 213: val_loss did not improve from 0.57210
11/11 [=====] - 0s 9ms/step - loss: 0.5519 - accuracy: 0.6494 - val_loss: 0.5945 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 214/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5594 - accuracy: 0.6313
Epoch 214: val_loss did not improve from 0.57210
11/11 [=====] - 0s 11ms/step - loss: 0.5607 - accuracy: 0.6322 - val_loss: 0.5879 - val_accuracy: 0.6200 - lr: 0.0090
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Epoch 215/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5141 - accuracy: 0.7188
Epoch 215: val_loss did not improve from 0.57210
11/11 [=====] - 0s 9ms/step - loss: 0.5526 - accuracy: 0.
6580 - val_loss: 0.5881 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 216/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5472 - accuracy: 0.7188
Epoch 216: val_loss did not improve from 0.57210
11/11 [=====] - 0s 9ms/step - loss: 0.5482 - accuracy: 0.
6609 - val_loss: 0.5791 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 217/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6300 - accuracy: 0.5938
Epoch 217: val_loss did not improve from 0.57210
11/11 [=====] - 0s 8ms/step - loss: 0.5471 - accuracy: 0.
6724 - val_loss: 0.5813 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 218/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6231 - accuracy: 0.5312
Epoch 218: val_loss did not improve from 0.57210
11/11 [=====] - 0s 9ms/step - loss: 0.5535 - accuracy: 0.
6552 - val_loss: 0.5892 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 219/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5301 - accuracy: 0.7188
Epoch 219: val_loss did not improve from 0.57210
11/11 [=====] - 0s 9ms/step - loss: 0.5477 - accuracy: 0.
6523 - val_loss: 0.5815 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 220/1000
11/11 [=====] - ETA: 0s - loss: 0.5518 - accuracy: 0.6408
Epoch 220: val_loss did not improve from 0.57210
11/11 [=====] - 0s 11ms/step - loss: 0.5518 - accuracy:
0.6408 - val_loss: 0.5927 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 221/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5031 - accuracy: 0.7500
Epoch 221: val_loss improved from 0.57210 to 0.56995, saving model to tmp/Weights-
221--0.56995.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5454 - accuracy:
0.6753 - val_loss: 0.5700 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 222/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4871 - accuracy: 0.8125
Epoch 222: val_loss did not improve from 0.56995
11/11 [=====] - 0s 8ms/step - loss: 0.5479 - accuracy: 0.
6667 - val_loss: 0.5883 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 223/1000
11/11 [=====] - ETA: 0s - loss: 0.5521 - accuracy: 0.6638
Epoch 223: val_loss did not improve from 0.56995
11/11 [=====] - 0s 11ms/step - loss: 0.5521 - accuracy:
0.6638 - val_loss: 0.5833 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 224/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5191 - accuracy: 0.7188
Epoch 224: val_loss did not improve from 0.56995
11/11 [=====] - 0s 9ms/step - loss: 0.5456 - accuracy: 0.
6379 - val_loss: 0.5837 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 225/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5487 - accuracy: 0.7188
Epoch 225: val_loss did not improve from 0.56995
11/11 [=====] - 0s 9ms/step - loss: 0.5486 - accuracy: 0.
6724 - val_loss: 0.5829 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 226/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5544 - accuracy: 0.6594
Epoch 226: val_loss did not improve from 0.56995
11/11 [=====] - 0s 11ms/step - loss: 0.5524 - accuracy:
0.6580 - val_loss: 0.5948 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 227/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5061 - accuracy: 0.6875
Epoch 227: val_loss did not improve from 0.56995
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11/11 [=====] - 0s 10ms/step - loss: 0.5428 - accuracy: 0.6638 - val_loss: 0.5777 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 228/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4439 - accuracy: 0.8438
Epoch 228: val_loss did not improve from 0.56995
11/11 [=====] - 0s 9ms/step - loss: 0.5436 - accuracy: 0.6667 - val_loss: 0.5930 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 229/1000
11/11 [=====] - ETA: 0s - loss: 0.5435 - accuracy: 0.6552
Epoch 229: val_loss did not improve from 0.56995
11/11 [=====] - 0s 10ms/step - loss: 0.5435 - accuracy: 0.6552 - val_loss: 0.5796 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 230/1000
11/11 [=====] - ETA: 0s - loss: 0.5419 - accuracy: 0.6810
Epoch 230: val_loss did not improve from 0.56995
11/11 [=====] - 0s 10ms/step - loss: 0.5419 - accuracy: 0.6810 - val_loss: 0.5898 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 231/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5291 - accuracy: 0.7500
Epoch 231: val_loss did not improve from 0.56995
11/11 [=====] - 0s 9ms/step - loss: 0.5474 - accuracy: 0.6437 - val_loss: 0.5799 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 232/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5156 - accuracy: 0.7500
Epoch 232: val_loss did not improve from 0.56995
11/11 [=====] - 0s 9ms/step - loss: 0.5393 - accuracy: 0.6724 - val_loss: 0.5875 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 233/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4249 - accuracy: 0.7812
Epoch 233: val_loss did not improve from 0.56995
11/11 [=====] - 0s 9ms/step - loss: 0.5419 - accuracy: 0.6782 - val_loss: 0.5879 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 234/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4772 - accuracy: 0.7812
Epoch 234: val_loss did not improve from 0.56995
11/11 [=====] - 0s 9ms/step - loss: 0.5407 - accuracy: 0.6638 - val_loss: 0.5823 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 235/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5456 - accuracy: 0.6875
Epoch 235: val_loss did not improve from 0.56995
11/11 [=====] - 0s 9ms/step - loss: 0.5420 - accuracy: 0.6552 - val_loss: 0.5849 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 236/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6173 - accuracy: 0.5938
Epoch 236: val_loss did not improve from 0.56995
11/11 [=====] - 0s 9ms/step - loss: 0.5410 - accuracy: 0.6638 - val_loss: 0.5939 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 237/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4299 - accuracy: 0.8750
Epoch 237: val_loss did not improve from 0.56995
11/11 [=====] - 0s 8ms/step - loss: 0.5424 - accuracy: 0.6695 - val_loss: 0.5763 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 238/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5269 - accuracy: 0.6250
Epoch 238: val_loss did not improve from 0.56995
11/11 [=====] - 0s 9ms/step - loss: 0.5406 - accuracy: 0.6667 - val_loss: 0.5870 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 239/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6338 - accuracy: 0.4688
Epoch 239: val_loss did not improve from 0.56995
11/11 [=====] - 0s 9ms/step - loss: 0.5407 - accuracy: 0.6695 - val_loss: 0.5871 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 240/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5146 - accuracy: 0.7812
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Epoch 240: val_loss did not improve from 0.56995
11/11 [=====] - 0s 9ms/step - loss: 0.5466 - accuracy: 0.
6437 - val_loss: 0.5915 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 241/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5978 - accuracy: 0.5625
Epoch 241: val_loss did not improve from 0.56995
11/11 [=====] - 0s 10ms/step - loss: 0.5467 - accuracy: 0.
6839 - val_loss: 0.5931 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 242/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5444 - accuracy: 0.7188
Epoch 242: val_loss did not improve from 0.56995
11/11 [=====] - 0s 9ms/step - loss: 0.5437 - accuracy: 0.
6609 - val_loss: 0.5785 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 243/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5480 - accuracy: 0.5938
Epoch 243: val_loss did not improve from 0.56995
11/11 [=====] - 0s 11ms/step - loss: 0.5447 - accuracy: 0.
6523 - val_loss: 0.5837 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 244/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5238 - accuracy: 0.6562
Epoch 244: val_loss did not improve from 0.56995
11/11 [=====] - 0s 9ms/step - loss: 0.5375 - accuracy: 0.
6695 - val_loss: 0.5784 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 245/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5448 - accuracy: 0.6875
Epoch 245: val_loss did not improve from 0.56995
11/11 [=====] - 0s 10ms/step - loss: 0.5378 - accuracy: 0.
6753 - val_loss: 0.5746 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 246/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6490 - accuracy: 0.4688
Epoch 246: val_loss did not improve from 0.56995
11/11 [=====] - 0s 8ms/step - loss: 0.5499 - accuracy: 0.
6580 - val_loss: 0.5936 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 247/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4664 - accuracy: 0.7812
Epoch 247: val_loss did not improve from 0.56995
11/11 [=====] - 0s 9ms/step - loss: 0.5384 - accuracy: 0.
6638 - val_loss: 0.5773 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 248/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6278 - accuracy: 0.5312
Epoch 248: val_loss did not improve from 0.56995
11/11 [=====] - 0s 8ms/step - loss: 0.5387 - accuracy: 0.
6753 - val_loss: 0.5902 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 249/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5160 - accuracy: 0.6875
Epoch 249: val_loss improved from 0.56995 to 0.56433, saving model to tmp/Weights-249--0.56433.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5351 - accuracy: 0.
6782 - val_loss: 0.5643 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 250/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5093 - accuracy: 0.7188
Epoch 250: val_loss did not improve from 0.56433
11/11 [=====] - 0s 9ms/step - loss: 0.5378 - accuracy: 0.
6667 - val_loss: 0.5815 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 251/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6123 - accuracy: 0.5625
Epoch 251: val_loss improved from 0.56433 to 0.56137, saving model to tmp/Weights-251--0.56137.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5388 - accuracy: 0.
6609 - val_loss: 0.5614 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 252/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5574 - accuracy: 0.6250
Epoch 252: val_loss did not improve from 0.56137
11/11 [=====] - 0s 8ms/step - loss: 0.5451 - accuracy: 0.
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6523 - val_loss: 0.6002 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 253/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5746 - accuracy: 0.6562
Epoch 253: val_loss did not improve from 0.56137
11/11 [=====] - 0s 8ms/step - loss: 0.5383 - accuracy: 0.
6580 - val_loss: 0.5749 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 254/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4523 - accuracy: 0.7812
Epoch 254: val_loss improved from 0.56137 to 0.55951, saving model to tmp/Weights-254--0.55951.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5435 - accuracy:
0.6580 - val_loss: 0.5595 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 255/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4890 - accuracy: 0.6562
Epoch 255: val_loss did not improve from 0.55951
11/11 [=====] - 0s 8ms/step - loss: 0.5371 - accuracy: 0.
6695 - val_loss: 0.5936 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 256/1000
11/11 [=====] - ETA: 0s - loss: 0.5455 - accuracy: 0.6724
Epoch 256: val_loss did not improve from 0.55951
11/11 [=====] - 0s 9ms/step - loss: 0.5455 - accuracy: 0.
6724 - val_loss: 0.5764 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 257/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5565 - accuracy: 0.5938
Epoch 257: val_loss did not improve from 0.55951
11/11 [=====] - 0s 9ms/step - loss: 0.5405 - accuracy: 0.
6609 - val_loss: 0.5694 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 258/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5669 - accuracy: 0.6562
Epoch 258: val_loss did not improve from 0.55951
11/11 [=====] - 0s 9ms/step - loss: 0.5325 - accuracy: 0.
6810 - val_loss: 0.5934 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 259/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5242 - accuracy: 0.6562
Epoch 259: val_loss did not improve from 0.55951
11/11 [=====] - 0s 9ms/step - loss: 0.5372 - accuracy: 0.
6810 - val_loss: 0.5835 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 260/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4571 - accuracy: 0.7500
Epoch 260: val_loss did not improve from 0.55951
11/11 [=====] - 0s 9ms/step - loss: 0.5354 - accuracy: 0.
6839 - val_loss: 0.5919 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 261/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4415 - accuracy: 0.8125
Epoch 261: val_loss did not improve from 0.55951
11/11 [=====] - 0s 9ms/step - loss: 0.5363 - accuracy: 0.
6810 - val_loss: 0.5924 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 262/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4877 - accuracy: 0.7812
Epoch 262: val_loss did not improve from 0.55951
11/11 [=====] - 0s 10ms/step - loss: 0.5330 - accuracy:
0.6810 - val_loss: 0.5761 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 263/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5739 - accuracy: 0.5938
Epoch 263: val_loss did not improve from 0.55951
11/11 [=====] - 0s 9ms/step - loss: 0.5382 - accuracy: 0.
6695 - val_loss: 0.5795 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 264/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5572 - accuracy: 0.5938
Epoch 264: val_loss did not improve from 0.55951
11/11 [=====] - 0s 10ms/step - loss: 0.5573 - accuracy:
0.6667 - val_loss: 0.6464 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 265/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5658 - accuracy: 0.6562
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Epoch 265: val_loss did not improve from 0.55951
11/11 [=====] - 0s 9ms/step - loss: 0.5520 - accuracy: 0.
6494 - val_loss: 0.5704 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 266/1000
11/11 [=====] - ETA: 0s - loss: 0.5452 - accuracy: 0.6523
Epoch 266: val_loss did not improve from 0.55951
11/11 [=====] - 0s 10ms/step - loss: 0.5452 - accuracy:
0.6523 - val_loss: 0.5832 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 267/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3633 - accuracy: 0.7812
Epoch 267: val_loss did not improve from 0.55951
11/11 [=====] - 0s 9ms/step - loss: 0.5419 - accuracy: 0.
6494 - val_loss: 0.6212 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 268/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6396 - accuracy: 0.4375
Epoch 268: val_loss did not improve from 0.55951
11/11 [=====] - 0s 10ms/step - loss: 0.5614 - accuracy:
0.6494 - val_loss: 0.6044 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 269/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5617 - accuracy: 0.6250
Epoch 269: val_loss did not improve from 0.55951
11/11 [=====] - 0s 9ms/step - loss: 0.5594 - accuracy: 0.
6523 - val_loss: 0.6161 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 270/1000
10/11 [======>...] - ETA: 0s - loss: 0.5458 - accuracy: 0.6750
Epoch 270: val_loss did not improve from 0.55951
11/11 [=====] - 0s 11ms/step - loss: 0.5417 - accuracy:
0.6782 - val_loss: 0.5989 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 271/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5104 - accuracy: 0.6562
Epoch 271: val_loss did not improve from 0.55951
11/11 [=====] - 0s 9ms/step - loss: 0.5418 - accuracy: 0.
6724 - val_loss: 0.5997 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 272/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4859 - accuracy: 0.7500
Epoch 272: val_loss did not improve from 0.55951
11/11 [=====] - 0s 9ms/step - loss: 0.5390 - accuracy: 0.
6695 - val_loss: 0.6165 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 273/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5762 - accuracy: 0.6875
Epoch 273: val_loss did not improve from 0.55951
11/11 [=====] - 0s 9ms/step - loss: 0.5400 - accuracy: 0.
6839 - val_loss: 0.5787 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 274/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5512 - accuracy: 0.6250
Epoch 274: val_loss did not improve from 0.55951
11/11 [=====] - 0s 9ms/step - loss: 0.5332 - accuracy: 0.
6810 - val_loss: 0.6038 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 275/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5113 - accuracy: 0.7500
Epoch 275: val_loss did not improve from 0.55951
11/11 [=====] - 0s 9ms/step - loss: 0.5363 - accuracy: 0.
6753 - val_loss: 0.5794 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 276/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5971 - accuracy: 0.5938
Epoch 276: val_loss did not improve from 0.55951
11/11 [=====] - 0s 9ms/step - loss: 0.5383 - accuracy: 0.
6667 - val_loss: 0.5787 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 277/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4979 - accuracy: 0.7188
Epoch 277: val_loss did not improve from 0.55951
11/11 [=====] - 0s 9ms/step - loss: 0.5318 - accuracy: 0.
6868 - val_loss: 0.5959 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 278/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6281 - accuracy: 0.5000
Epoch 278: val_loss did not improve from 0.55951
11/11 [=====] - 0s 9ms/step - loss: 0.5338 - accuracy: 0.
6868 - val_loss: 0.5817 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 279/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5878 - accuracy: 0.6562
Epoch 279: val_loss did not improve from 0.55951
11/11 [=====] - 0s 9ms/step - loss: 0.5405 - accuracy: 0.
6839 - val_loss: 0.5969 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 280/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4930 - accuracy: 0.7500
Epoch 280: val_loss did not improve from 0.55951
11/11 [=====] - 0s 10ms/step - loss: 0.5415 - accuracy: 0.
6810 - val_loss: 0.5767 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 281/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6365 - accuracy: 0.5312
Epoch 281: val_loss did not improve from 0.55951
11/11 [=====] - 0s 9ms/step - loss: 0.5380 - accuracy: 0.
6810 - val_loss: 0.5752 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 282/1000
11/11 [=====] - ETA: 0s - loss: 0.5338 - accuracy: 0.7040
Epoch 282: val_loss did not improve from 0.55951
11/11 [=====] - 0s 11ms/step - loss: 0.5338 - accuracy: 0.
7040 - val_loss: 0.5899 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 283/1000
11/11 [=====] - ETA: 0s - loss: 0.5244 - accuracy: 0.6925
Epoch 283: val_loss improved from 0.55951 to 0.55113, saving model to tmp/Weights-283--0.55113.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.5244 - accuracy: 0.
6925 - val_loss: 0.5511 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 284/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4895 - accuracy: 0.7188
Epoch 284: val_loss did not improve from 0.55113
11/11 [=====] - 0s 9ms/step - loss: 0.5269 - accuracy: 0.
6782 - val_loss: 0.6088 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 285/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5504 - accuracy: 0.6562
Epoch 285: val_loss did not improve from 0.55113
11/11 [=====] - 0s 9ms/step - loss: 0.5322 - accuracy: 0.
6839 - val_loss: 0.5827 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 286/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6132 - accuracy: 0.5625
Epoch 286: val_loss did not improve from 0.55113
11/11 [=====] - 0s 9ms/step - loss: 0.5411 - accuracy: 0.
6466 - val_loss: 0.5804 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 287/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5103 - accuracy: 0.6875
Epoch 287: val_loss did not improve from 0.55113
11/11 [=====] - 0s 9ms/step - loss: 0.5424 - accuracy: 0.
6580 - val_loss: 0.5952 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 288/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5312 - accuracy: 0.6562
Epoch 288: val_loss did not improve from 0.55113
11/11 [=====] - 0s 8ms/step - loss: 0.5339 - accuracy: 0.
6753 - val_loss: 0.5940 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 289/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5325 - accuracy: 0.6875
Epoch 289: val_loss did not improve from 0.55113
11/11 [=====] - 0s 10ms/step - loss: 0.5331 - accuracy: 0.
6695 - val_loss: 0.5601 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 290/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5051 - accuracy: 0.7500
Epoch 290: val_loss did not improve from 0.55113
11/11 [=====] - 0s 9ms/step - loss: 0.5495 - accuracy: 0.
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6782 - val_loss: 0.6297 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 291/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4635 - accuracy: 0.8750
Epoch 291: val_loss improved from 0.55113 to 0.54423, saving model to tmp/Weights-291--0.54423.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5347 - accuracy: 0.6753 - val_loss: 0.5442 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 292/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5980 - accuracy: 0.5938
Epoch 292: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5269 - accuracy: 0.6753 - val_loss: 0.6051 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 293/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4766 - accuracy: 0.6562
Epoch 293: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5368 - accuracy: 0.6753 - val_loss: 0.5751 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 294/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4710 - accuracy: 0.7812
Epoch 294: val_loss did not improve from 0.54423
11/11 [=====] - 0s 10ms/step - loss: 0.5515 - accuracy: 0.6667 - val_loss: 0.5972 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 295/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5753 - accuracy: 0.6562
Epoch 295: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5313 - accuracy: 0.6868 - val_loss: 0.5831 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 296/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4963 - accuracy: 0.7188
Epoch 296: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5280 - accuracy: 0.6839 - val_loss: 0.5747 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 297/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4592 - accuracy: 0.7812
Epoch 297: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5243 - accuracy: 0.6753 - val_loss: 0.5864 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 298/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4999 - accuracy: 0.7812
Epoch 298: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5281 - accuracy: 0.6810 - val_loss: 0.5813 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 299/1000
11/11 [=====] - ETA: 0s - loss: 0.5235 - accuracy: 0.6868
Epoch 299: val_loss did not improve from 0.54423
11/11 [=====] - 0s 11ms/step - loss: 0.5235 - accuracy: 0.6868 - val_loss: 0.5812 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 300/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5165 - accuracy: 0.7188
Epoch 300: val_loss did not improve from 0.54423
11/11 [=====] - 0s 10ms/step - loss: 0.5200 - accuracy: 0.6839 - val_loss: 0.5759 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 301/1000
11/11 [=====] - ETA: 0s - loss: 0.5259 - accuracy: 0.6868
Epoch 301: val_loss did not improve from 0.54423
11/11 [=====] - 0s 10ms/step - loss: 0.5259 - accuracy: 0.6868 - val_loss: 0.5843 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 302/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5924 - accuracy: 0.6562
Epoch 302: val_loss did not improve from 0.54423
11/11 [=====] - 0s 10ms/step - loss: 0.5232 - accuracy: 0.6839 - val_loss: 0.5770 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 303/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5133 - accuracy: 0.6562
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Epoch 303: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5245 - accuracy: 0.
7011 - val_loss: 0.5716 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 304/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5136 - accuracy: 0.7188
Epoch 304: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5385 - accuracy: 0.
6695 - val_loss: 0.5999 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 305/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4464 - accuracy: 0.7188
Epoch 305: val_loss did not improve from 0.54423
11/11 [=====] - 0s 8ms/step - loss: 0.5296 - accuracy: 0.
6839 - val_loss: 0.5689 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 306/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5763 - accuracy: 0.6250
Epoch 306: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5360 - accuracy: 0.
6638 - val_loss: 0.5870 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 307/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4950 - accuracy: 0.8125
Epoch 307: val_loss did not improve from 0.54423
11/11 [=====] - 0s 8ms/step - loss: 0.5257 - accuracy: 0.
6782 - val_loss: 0.5762 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 308/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5607 - accuracy: 0.6562
Epoch 308: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5266 - accuracy: 0.
6782 - val_loss: 0.5758 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 309/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5369 - accuracy: 0.6875
Epoch 309: val_loss did not improve from 0.54423
11/11 [=====] - 0s 10ms/step - loss: 0.5233 - accuracy: 0.
6897 - val_loss: 0.6014 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 310/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5218 - accuracy: 0.6938
Epoch 310: val_loss did not improve from 0.54423
11/11 [=====] - 0s 10ms/step - loss: 0.5221 - accuracy: 0.
6954 - val_loss: 0.5699 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 311/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5311 - accuracy: 0.6562
Epoch 311: val_loss did not improve from 0.54423
11/11 [=====] - 0s 8ms/step - loss: 0.5175 - accuracy: 0.
6897 - val_loss: 0.5927 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 312/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5301 - accuracy: 0.6250
Epoch 312: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5214 - accuracy: 0.
6954 - val_loss: 0.5850 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 313/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4481 - accuracy: 0.7500
Epoch 313: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5238 - accuracy: 0.
6667 - val_loss: 0.5621 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 314/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4855 - accuracy: 0.7188
Epoch 314: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5234 - accuracy: 0.
6868 - val_loss: 0.5995 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 315/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5128 - accuracy: 0.7188
Epoch 315: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5183 - accuracy: 0.
6954 - val_loss: 0.5639 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 316/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5386 - accuracy: 0.6562
Epoch 316: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5270 - accuracy: 0.
6810 - val_loss: 0.5934 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 317/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4996 - accuracy: 0.7500
Epoch 317: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5263 - accuracy: 0.
6810 - val_loss: 0.5920 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 318/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5187 - accuracy: 0.7500
Epoch 318: val_loss did not improve from 0.54423
11/11 [=====] - 0s 8ms/step - loss: 0.5265 - accuracy: 0.
6810 - val_loss: 0.5803 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 319/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4863 - accuracy: 0.6875
Epoch 319: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5228 - accuracy: 0.
6810 - val_loss: 0.6080 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 320/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5247 - accuracy: 0.6875
Epoch 320: val_loss did not improve from 0.54423
11/11 [=====] - 0s 12ms/step - loss: 0.5253 - accuracy: 0.
6925 - val_loss: 0.5540 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 321/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5565 - accuracy: 0.7188
Epoch 321: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5232 - accuracy: 0.
6954 - val_loss: 0.5999 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 322/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5928 - accuracy: 0.6562
Epoch 322: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5236 - accuracy: 0.
6810 - val_loss: 0.5986 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 323/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5116 - accuracy: 0.6875
Epoch 323: val_loss did not improve from 0.54423
11/11 [=====] - 0s 8ms/step - loss: 0.5335 - accuracy: 0.
6753 - val_loss: 0.5544 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 324/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4728 - accuracy: 0.7188
Epoch 324: val_loss did not improve from 0.54423
11/11 [=====] - 0s 8ms/step - loss: 0.5179 - accuracy: 0.
6753 - val_loss: 0.5902 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 325/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5005 - accuracy: 0.7500
Epoch 325: val_loss did not improve from 0.54423
11/11 [=====] - 0s 8ms/step - loss: 0.5179 - accuracy: 0.
6925 - val_loss: 0.5990 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 326/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4201 - accuracy: 0.8438
Epoch 326: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5177 - accuracy: 0.
6954 - val_loss: 0.5732 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 327/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5539 - accuracy: 0.6875
Epoch 327: val_loss did not improve from 0.54423
11/11 [=====] - 0s 8ms/step - loss: 0.5198 - accuracy: 0.
6782 - val_loss: 0.5755 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 328/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4563 - accuracy: 0.7812
Epoch 328: val_loss did not improve from 0.54423
11/11 [=====] - 0s 10ms/step - loss: 0.5290 - accuracy: 0.
6782 - val_loss: 0.5764 - val_accuracy: 0.6467 - lr: 0.0090
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Epoch 329/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5044 - accuracy: 0.6875
Epoch 329: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5184 - accuracy: 0.
6954 - val_loss: 0.5913 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 330/1000
11/11 [=====] - ETA: 0s - loss: 0.5158 - accuracy: 0.7040
Epoch 330: val_loss did not improve from 0.54423
11/11 [=====] - 0s 10ms/step - loss: 0.5158 - accuracy:
0.7040 - val_loss: 0.5772 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 331/1000
11/11 [=====] - ETA: 0s - loss: 0.5186 - accuracy: 0.6868
Epoch 331: val_loss did not improve from 0.54423
11/11 [=====] - 0s 10ms/step - loss: 0.5186 - accuracy:
0.6868 - val_loss: 0.6003 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 332/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5287 - accuracy: 0.6875
Epoch 332: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5257 - accuracy: 0.
6810 - val_loss: 0.5788 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 333/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5491 - accuracy: 0.6250
Epoch 333: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5245 - accuracy: 0.
6897 - val_loss: 0.5818 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 334/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5357 - accuracy: 0.6875
Epoch 334: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5166 - accuracy: 0.
7011 - val_loss: 0.5874 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 335/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6371 - accuracy: 0.5000
Epoch 335: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5149 - accuracy: 0.
6954 - val_loss: 0.5923 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 336/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4505 - accuracy: 0.7500
Epoch 336: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5262 - accuracy: 0.
6695 - val_loss: 0.5918 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 337/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5875 - accuracy: 0.6250
Epoch 337: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5349 - accuracy: 0.
6925 - val_loss: 0.6062 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 338/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6175 - accuracy: 0.6250
Epoch 338: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5196 - accuracy: 0.
6868 - val_loss: 0.5719 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 339/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5707 - accuracy: 0.6250
Epoch 339: val_loss did not improve from 0.54423
11/11 [=====] - 0s 8ms/step - loss: 0.5256 - accuracy: 0.
6897 - val_loss: 0.5726 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 340/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5409 - accuracy: 0.6250
Epoch 340: val_loss did not improve from 0.54423
11/11 [=====] - 0s 10ms/step - loss: 0.5274 - accuracy:
0.6638 - val_loss: 0.5971 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 341/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5721 - accuracy: 0.5938
Epoch 341: val_loss did not improve from 0.54423
```

```
Epoch 341: ReduceLROnPlateau reducing learning rate to 0.006299999728798866.
11/11 [=====] - 0s 9ms/step - loss: 0.5340 - accuracy: 0.
6753 - val_loss: 0.6086 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 342/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4700 - accuracy: 0.7500
Epoch 342: val_loss did not improve from 0.54423
11/11 [=====] - 0s 8ms/step - loss: 0.5178 - accuracy: 0.
7011 - val_loss: 0.6014 - val_accuracy: 0.6600 - lr: 0.0063
Epoch 343/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4328 - accuracy: 0.7812
Epoch 343: val_loss did not improve from 0.54423
11/11 [=====] - 0s 8ms/step - loss: 0.5185 - accuracy: 0.
6839 - val_loss: 0.5770 - val_accuracy: 0.6533 - lr: 0.0063
Epoch 344/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4767 - accuracy: 0.7188
Epoch 344: val_loss did not improve from 0.54423
11/11 [=====] - 0s 8ms/step - loss: 0.5133 - accuracy: 0.
6954 - val_loss: 0.5850 - val_accuracy: 0.6600 - lr: 0.0063
Epoch 345/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5871 - accuracy: 0.6875
Epoch 345: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5197 - accuracy: 0.
6954 - val_loss: 0.5968 - val_accuracy: 0.6467 - lr: 0.0063
Epoch 346/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6180 - accuracy: 0.5938
Epoch 346: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5152 - accuracy: 0.
6868 - val_loss: 0.5787 - val_accuracy: 0.6600 - lr: 0.0063
Epoch 347/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5554 - accuracy: 0.6875
Epoch 347: val_loss did not improve from 0.54423
11/11 [=====] - 0s 10ms/step - loss: 0.5163 - accuracy: 0.
6839 - val_loss: 0.5938 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 348/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5429 - accuracy: 0.5938
Epoch 348: val_loss did not improve from 0.54423
11/11 [=====] - 0s 8ms/step - loss: 0.5126 - accuracy: 0.
6925 - val_loss: 0.5861 - val_accuracy: 0.6533 - lr: 0.0063
Epoch 349/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5211 - accuracy: 0.6562
Epoch 349: val_loss did not improve from 0.54423
11/11 [=====] - 0s 8ms/step - loss: 0.5113 - accuracy: 0.
7011 - val_loss: 0.5884 - val_accuracy: 0.6733 - lr: 0.0063
Epoch 350/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4771 - accuracy: 0.7500
Epoch 350: val_loss did not improve from 0.54423
11/11 [=====] - 0s 8ms/step - loss: 0.5097 - accuracy: 0.
6897 - val_loss: 0.5914 - val_accuracy: 0.6600 - lr: 0.0063
Epoch 351/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6078 - accuracy: 0.6562
Epoch 351: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5124 - accuracy: 0.
6925 - val_loss: 0.5775 - val_accuracy: 0.6533 - lr: 0.0063
Epoch 352/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4578 - accuracy: 0.7812
Epoch 352: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5198 - accuracy: 0.
7011 - val_loss: 0.5776 - val_accuracy: 0.6600 - lr: 0.0063
Epoch 353/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4511 - accuracy: 0.8125
Epoch 353: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5115 - accuracy: 0.
6954 - val_loss: 0.5991 - val_accuracy: 0.6600 - lr: 0.0063
Epoch 354/1000
```

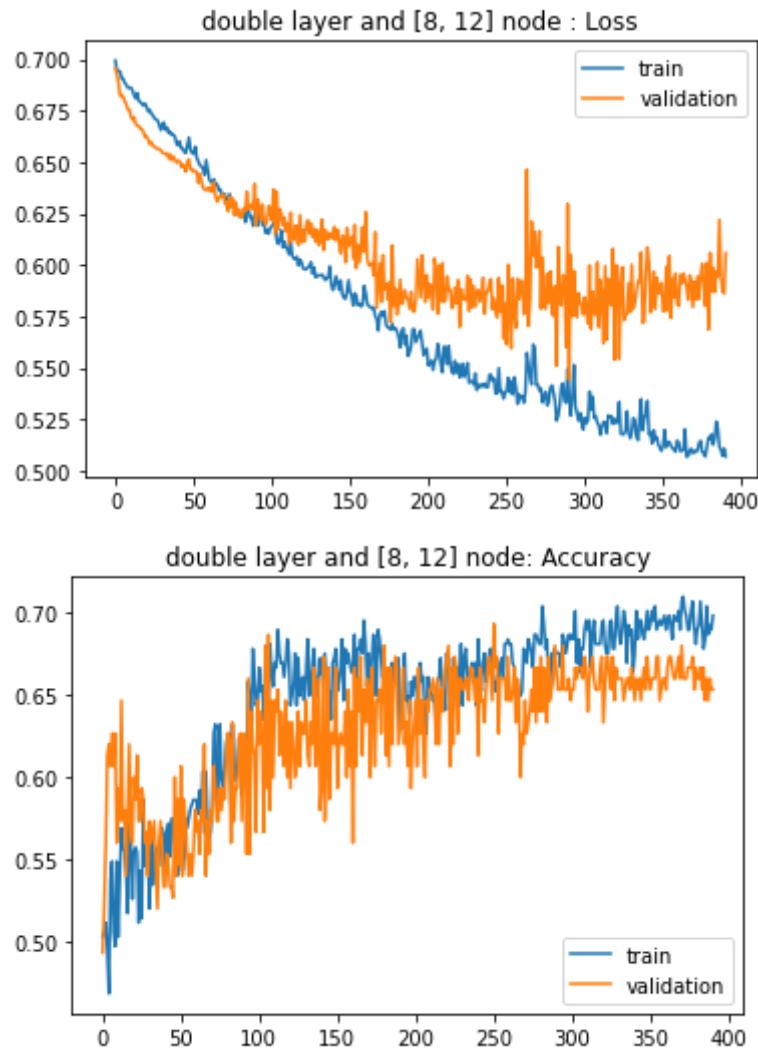
```
1/11 [=>.....] - ETA: 0s - loss: 0.4927 - accuracy: 0.7500
Epoch 354: val_loss did not improve from 0.54423
11/11 [=====] - 0s 8ms/step - loss: 0.5137 - accuracy: 0.
7040 - val_loss: 0.5781 - val_accuracy: 0.6600 - lr: 0.0063
Epoch 355/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4810 - accuracy: 0.7500
Epoch 355: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5140 - accuracy: 0.
6897 - val_loss: 0.6044 - val_accuracy: 0.6733 - lr: 0.0063
Epoch 356/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5715 - accuracy: 0.7188
Epoch 356: val_loss did not improve from 0.54423
11/11 [=====] - 0s 10ms/step - loss: 0.5123 - accuracy: 0.
6925 - val_loss: 0.5743 - val_accuracy: 0.6733 - lr: 0.0063
Epoch 357/1000
11/11 [=====] - ETA: 0s - loss: 0.5109 - accuracy: 0.6954
Epoch 357: val_loss did not improve from 0.54423
11/11 [=====] - 0s 11ms/step - loss: 0.5109 - accuracy: 0.
6954 - val_loss: 0.5933 - val_accuracy: 0.6467 - lr: 0.0063
Epoch 358/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4593 - accuracy: 0.7500
Epoch 358: val_loss did not improve from 0.54423
11/11 [=====] - 0s 10ms/step - loss: 0.5106 - accuracy: 0.
6925 - val_loss: 0.5842 - val_accuracy: 0.6533 - lr: 0.0063
Epoch 359/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5196 - accuracy: 0.7188
Epoch 359: val_loss did not improve from 0.54423
11/11 [=====] - 0s 10ms/step - loss: 0.5093 - accuracy: 0.
6954 - val_loss: 0.5959 - val_accuracy: 0.6600 - lr: 0.0063
Epoch 360/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4324 - accuracy: 0.8125
Epoch 360: val_loss did not improve from 0.54423
11/11 [=====] - 0s 11ms/step - loss: 0.5147 - accuracy: 0.
6983 - val_loss: 0.5810 - val_accuracy: 0.6600 - lr: 0.0063
Epoch 361/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5074 - accuracy: 0.6875
Epoch 361: val_loss did not improve from 0.54423
11/11 [=====] - 0s 10ms/step - loss: 0.5137 - accuracy: 0.
6897 - val_loss: 0.5801 - val_accuracy: 0.6533 - lr: 0.0063
Epoch 362/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4950 - accuracy: 0.6562
Epoch 362: val_loss did not improve from 0.54423
11/11 [=====] - 0s 8ms/step - loss: 0.5096 - accuracy: 0.
6954 - val_loss: 0.5952 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 363/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6767 - accuracy: 0.5938
Epoch 363: val_loss did not improve from 0.54423
11/11 [=====] - 0s 8ms/step - loss: 0.5097 - accuracy: 0.
6983 - val_loss: 0.5910 - val_accuracy: 0.6733 - lr: 0.0063
Epoch 364/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4533 - accuracy: 0.8438
Epoch 364: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5102 - accuracy: 0.
6925 - val_loss: 0.5960 - val_accuracy: 0.6733 - lr: 0.0063
Epoch 365/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4903 - accuracy: 0.7812
Epoch 365: val_loss did not improve from 0.54423
11/11 [=====] - 0s 10ms/step - loss: 0.5202 - accuracy: 0.
6839 - val_loss: 0.5930 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 366/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5516 - accuracy: 0.7500
Epoch 366: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5069 - accuracy: 0.
6983 - val_loss: 0.5896 - val_accuracy: 0.6600 - lr: 0.0063
```

```
Epoch 367/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4812 - accuracy: 0.7188
Epoch 367: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5071 - accuracy: 0.
6954 - val_loss: 0.5830 - val_accuracy: 0.6600 - lr: 0.0063
Epoch 368/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4535 - accuracy: 0.7500
Epoch 368: val_loss did not improve from 0.54423
11/11 [=====] - 0s 10ms/step - loss: 0.5099 - accuracy:
0.6954 - val_loss: 0.5951 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 369/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4913 - accuracy: 0.7812
Epoch 369: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5108 - accuracy: 0.
7011 - val_loss: 0.5922 - val_accuracy: 0.6733 - lr: 0.0063
Epoch 370/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5282 - accuracy: 0.6250
Epoch 370: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5085 - accuracy: 0.
6897 - val_loss: 0.5795 - val_accuracy: 0.6600 - lr: 0.0063
Epoch 371/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4659 - accuracy: 0.7500
Epoch 371: val_loss did not improve from 0.54423
11/11 [=====] - 0s 10ms/step - loss: 0.5096 - accuracy:
0.7069 - val_loss: 0.5919 - val_accuracy: 0.6800 - lr: 0.0063
Epoch 372/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4014 - accuracy: 0.7812
Epoch 372: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5092 - accuracy: 0.
7098 - val_loss: 0.5832 - val_accuracy: 0.6600 - lr: 0.0063
Epoch 373/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4286 - accuracy: 0.7812
Epoch 373: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5101 - accuracy: 0.
7011 - val_loss: 0.5946 - val_accuracy: 0.6600 - lr: 0.0063
Epoch 374/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4069 - accuracy: 0.7812
Epoch 374: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5136 - accuracy: 0.
6983 - val_loss: 0.5834 - val_accuracy: 0.6600 - lr: 0.0063
Epoch 375/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4174 - accuracy: 0.7812
Epoch 375: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5146 - accuracy: 0.
6897 - val_loss: 0.5947 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 376/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6039 - accuracy: 0.5625
Epoch 376: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5091 - accuracy: 0.
6897 - val_loss: 0.6005 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 377/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4308 - accuracy: 0.8125
Epoch 377: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5088 - accuracy: 0.
7011 - val_loss: 0.5914 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 378/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4743 - accuracy: 0.7812
Epoch 378: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5070 - accuracy: 0.
7069 - val_loss: 0.5802 - val_accuracy: 0.6733 - lr: 0.0063
Epoch 379/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4666 - accuracy: 0.7500
Epoch 379: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5118 - accuracy: 0.
```

```
6925 - val_loss: 0.6011 - val_accuracy: 0.6533 - lr: 0.0063
Epoch 380/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5232 - accuracy: 0.6875
Epoch 380: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5161 - accuracy: 0.
6810 - val_loss: 0.5687 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 381/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5859 - accuracy: 0.6250
Epoch 381: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5156 - accuracy: 0.
6897 - val_loss: 0.6060 - val_accuracy: 0.6600 - lr: 0.0063
Epoch 382/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6341 - accuracy: 0.5938
Epoch 382: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5177 - accuracy: 0.
6925 - val_loss: 0.5870 - val_accuracy: 0.6600 - lr: 0.0063
Epoch 383/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5245 - accuracy: 0.6875
Epoch 383: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5127 - accuracy: 0.
7069 - val_loss: 0.5987 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 384/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4579 - accuracy: 0.8125
Epoch 384: val_loss did not improve from 0.54423
11/11 [=====] - 0s 8ms/step - loss: 0.5159 - accuracy: 0.
6925 - val_loss: 0.5868 - val_accuracy: 0.6533 - lr: 0.0063
Epoch 385/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5742 - accuracy: 0.5625
Epoch 385: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5239 - accuracy: 0.
6782 - val_loss: 0.5968 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 386/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4894 - accuracy: 0.7500
Epoch 386: val_loss did not improve from 0.54423
11/11 [=====] - 0s 9ms/step - loss: 0.5203 - accuracy: 0.
6839 - val_loss: 0.5945 - val_accuracy: 0.6467 - lr: 0.0063
Epoch 387/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4186 - accuracy: 0.8125
Epoch 387: val_loss did not improve from 0.54423
11/11 [=====] - 0s 8ms/step - loss: 0.5117 - accuracy: 0.
7040 - val_loss: 0.6220 - val_accuracy: 0.6600 - lr: 0.0063
Epoch 388/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5801 - accuracy: 0.6875
Epoch 388: val_loss did not improve from 0.54423
11/11 [=====] - 0s 8ms/step - loss: 0.5102 - accuracy: 0.
6868 - val_loss: 0.5943 - val_accuracy: 0.6467 - lr: 0.0063
Epoch 389/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5360 - accuracy: 0.6562
Epoch 389: val_loss did not improve from 0.54423
11/11 [=====] - 0s 10ms/step - loss: 0.5074 - accuracy:
0.6925 - val_loss: 0.5871 - val_accuracy: 0.6600 - lr: 0.0063
Epoch 390/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4293 - accuracy: 0.7812
Epoch 390: val_loss did not improve from 0.54423
11/11 [=====] - 0s 10ms/step - loss: 0.5108 - accuracy:
0.6897 - val_loss: 0.5863 - val_accuracy: 0.6533 - lr: 0.0063
Epoch 391/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5153 - accuracy: 0.7188
Epoch 391: val_loss did not improve from 0.54423

Epoch 391: ReduceLROnPlateau reducing learning rate to 0.004409999679774046.
11/11 [=====] - 0s 8ms/step - loss: 0.5070 - accuracy: 0.
6983 - val_loss: 0.6058 - val_accuracy: 0.6533 - lr: 0.0063
Epoch 391: early stopping
```

Final training loss for double layer and [8, 12] nodes: 0.5069849491119385
Final training accuracy for double layer and [8, 12] nodes 0.6982758641242981
Final validation loss for double layer and [8, 12] nodes 0.6057798266410828
Final validation accuracy for double layer and [8, 12] nodes 0.653333306312561



```
>>>>>>>>>>>>>>> Model training with double hidden layer and [8, 16] node>>>>
>>>>>>>
```

Model: "sequential_40"

Layer (type)	Output Shape	Param #
<hr/>		
dense_108 (Dense)	(None, 8)	24
dense_109 (Dense)	(None, 16)	144
dense_110 (Dense)	(None, 1)	17
<hr/>		
Total params: 185		
Trainable params: 185		
Non-trainable params: 0		

None

Epoch 1/1000

```
1/11 [=>.....] - ETA: 7s - loss: 0.6980 - accuracy: 0.4375
Epoch 1: val_loss improved from inf to 0.69112, saving model to tmp/Weights-001--0.69112.hdf5
```

```
11/11 [=====] - 1s 24ms/step - loss: 0.7012 - accuracy: 0.4971 - val_loss: 0.6911 - val_accuracy: 0.5000 - lr: 0.0090
```

Epoch 2/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.7139 - accuracy: 0.3750
Epoch 2: val_loss improved from 0.69112 to 0.68752, saving model to tmp/Weights-002--0.68752.hdf5
```

```
11/11 [=====] - 0s 11ms/step - loss: 0.6931 - accuracy: 0.5057 - val_loss: 0.6875 - val_accuracy: 0.5267 - lr: 0.0090
```

Epoch 3/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6885 - accuracy: 0.6562
Epoch 3: val_loss improved from 0.68752 to 0.68569, saving model to tmp/Weights-003--0.68569.hdf5
```

```
11/11 [=====] - 0s 10ms/step - loss: 0.6948 - accuracy: 0.5230 - val_loss: 0.6857 - val_accuracy: 0.5733 - lr: 0.0090
```

Epoch 4/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6844 - accuracy: 0.5625
Epoch 4: val_loss improved from 0.68569 to 0.68506, saving model to tmp/Weights-004--0.68506.hdf5
```

```
11/11 [=====] - 0s 10ms/step - loss: 0.6907 - accuracy: 0.5374 - val_loss: 0.6851 - val_accuracy: 0.5200 - lr: 0.0090
```

Epoch 5/1000

```
9/11 [=====>.....] - ETA: 0s - loss: 0.6890 - accuracy: 0.5035
Epoch 5: val_loss improved from 0.68506 to 0.68264, saving model to tmp/Weights-005--0.68264.hdf5
```

```
11/11 [=====] - 0s 13ms/step - loss: 0.6887 - accuracy: 0.5172 - val_loss: 0.6826 - val_accuracy: 0.5333 - lr: 0.0090
```

Epoch 6/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6695 - accuracy: 0.6562
Epoch 6: val_loss improved from 0.68264 to 0.68164, saving model to tmp/Weights-006--0.68164.hdf5
```

```
11/11 [=====] - 0s 10ms/step - loss: 0.6885 - accuracy: 0.5144 - val_loss: 0.6816 - val_accuracy: 0.5333 - lr: 0.0090
```

Epoch 7/1000

```
9/11 [=====>.....] - ETA: 0s - loss: 0.6880 - accuracy: 0.5208
Epoch 7: val_loss improved from 0.68164 to 0.67969, saving model to tmp/Weights-007--0.67969.hdf5
```

```
11/11 [=====] - 0s 13ms/step - loss: 0.6872 - accuracy: 0.5316 - val_loss: 0.6797 - val_accuracy: 0.5400 - lr: 0.0090
```

Epoch 8/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6804 - accuracy: 0.5938
Epoch 8: val_loss improved from 0.67969 to 0.67891, saving model to tmp/Weights-00
8--0.67891.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6867 - accuracy: 0.5431 - val_loss: 0.6789 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 9/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6937 - accuracy: 0.5312
Epoch 9: val_loss improved from 0.67891 to 0.67818, saving model to tmp/Weights-00
9--0.67818.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6863 - accuracy: 0.5460 - val_loss: 0.6782 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 10/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6597 - accuracy: 0.6562
Epoch 10: val_loss did not improve from 0.67818
11/11 [=====] - 0s 9ms/step - loss: 0.6878 - accuracy: 0.5144 - val_loss: 0.6791 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 11/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6911 - accuracy: 0.4688
Epoch 11: val_loss improved from 0.67818 to 0.67641, saving model to tmp/Weights-01
11--0.67641.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6906 - accuracy: 0.5230 - val_loss: 0.6764 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 12/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6749 - accuracy: 0.5625
Epoch 12: val_loss did not improve from 0.67641
11/11 [=====] - 0s 8ms/step - loss: 0.6854 - accuracy: 0.5259 - val_loss: 0.6806 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 13/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6525 - accuracy: 0.6562
Epoch 13: val_loss did not improve from 0.67641
11/11 [=====] - 0s 8ms/step - loss: 0.6852 - accuracy: 0.5287 - val_loss: 0.6776 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 14/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7041 - accuracy: 0.4375
Epoch 14: val_loss did not improve from 0.67641
11/11 [=====] - 0s 8ms/step - loss: 0.6858 - accuracy: 0.5345 - val_loss: 0.6767 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 15/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6749 - accuracy: 0.6250
Epoch 15: val_loss improved from 0.67641 to 0.67426, saving model to tmp/Weights-01
15--0.67426.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6868 - accuracy: 0.5575 - val_loss: 0.6743 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 16/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6470 - accuracy: 0.6562
Epoch 16: val_loss did not improve from 0.67426
11/11 [=====] - 0s 9ms/step - loss: 0.6825 - accuracy: 0.5316 - val_loss: 0.6774 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 17/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6652 - accuracy: 0.5938
Epoch 17: val_loss did not improve from 0.67426
11/11 [=====] - 0s 9ms/step - loss: 0.6834 - accuracy: 0.5402 - val_loss: 0.6757 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 18/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6777 - accuracy: 0.5938
Epoch 18: val_loss improved from 0.67426 to 0.67318, saving model to tmp/Weights-01
18--0.67318.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6811 - accuracy: 0.5172 - val_loss: 0.6732 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 19/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6330 - accuracy: 0.7188
Epoch 19: val_loss did not improve from 0.67318
11/11 [=====] - 0s 7ms/step - loss: 0.6811 - accuracy: 0.5144 - val_loss: 0.6739 - val_accuracy: 0.5333 - lr: 0.0090
```

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Epoch 20/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6717 - accuracy: 0.5625
Epoch 20: val_loss did not improve from 0.67318
11/11 [=====] - 0s 8ms/step - loss: 0.6805 - accuracy: 0.
5345 - val_loss: 0.6741 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 21/1000
11/11 [=====] - ETA: 0s - loss: 0.6817 - accuracy: 0.5460
Epoch 21: val_loss improved from 0.67318 to 0.67274, saving model to tmp/Weights-0
21--0.67274.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6817 - accuracy:
0.5460 - val_loss: 0.6727 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 22/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6830 - accuracy: 0.4688
Epoch 22: val_loss did not improve from 0.67274
11/11 [=====] - 0s 7ms/step - loss: 0.6779 - accuracy: 0.
5259 - val_loss: 0.6746 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 23/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6602 - accuracy: 0.6250
Epoch 23: val_loss improved from 0.67274 to 0.67008, saving model to tmp/Weights-0
23--0.67008.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6784 - accuracy:
0.5057 - val_loss: 0.6701 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 24/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6968 - accuracy: 0.4688
Epoch 24: val_loss did not improve from 0.67008
11/11 [=====] - 0s 9ms/step - loss: 0.6783 - accuracy: 0.
5201 - val_loss: 0.6710 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 25/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6928 - accuracy: 0.4688
Epoch 25: val_loss did not improve from 0.67008
11/11 [=====] - 0s 10ms/step - loss: 0.6767 - accuracy:
0.5259 - val_loss: 0.6705 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 26/1000
11/11 [=====] - ETA: 0s - loss: 0.6757 - accuracy: 0.5172
Epoch 26: val_loss improved from 0.67008 to 0.66874, saving model to tmp/Weights-0
26--0.66874.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6757 - accuracy:
0.5172 - val_loss: 0.6687 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 27/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6300 - accuracy: 0.5625
Epoch 27: val_loss did not improve from 0.66874
11/11 [=====] - 0s 9ms/step - loss: 0.6765 - accuracy: 0.
5259 - val_loss: 0.6726 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 28/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6903 - accuracy: 0.4688
Epoch 28: val_loss improved from 0.66874 to 0.66785, saving model to tmp/Weights-0
28--0.66785.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6746 - accuracy:
0.5316 - val_loss: 0.6679 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 29/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6399 - accuracy: 0.6562
Epoch 29: val_loss did not improve from 0.66785
11/11 [=====] - 0s 9ms/step - loss: 0.6731 - accuracy: 0.
5172 - val_loss: 0.6686 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 30/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6705 - accuracy: 0.5625
Epoch 30: val_loss improved from 0.66785 to 0.66653, saving model to tmp/Weights-0
30--0.66653.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6721 - accuracy:
0.5374 - val_loss: 0.6665 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 31/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6195 - accuracy: 0.6250
Epoch 31: val_loss improved from 0.66653 to 0.66640, saving model to tmp/Weights-0
31--0.66640.hdf5
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11/11 [=====] - 0s 10ms/step - loss: 0.6732 - accuracy: 0.5259 - val_loss: 0.6664 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 32/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7068 - accuracy: 0.4062
Epoch 32: val_loss improved from 0.66640 to 0.66497, saving model to tmp/Weights-032--0.66497.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6735 - accuracy: 0.5546 - val_loss: 0.6650 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 33/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7156 - accuracy: 0.3750
Epoch 33: val_loss improved from 0.66497 to 0.66447, saving model to tmp/Weights-033--0.66447.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6715 - accuracy: 0.5172 - val_loss: 0.6645 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 34/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6732 - accuracy: 0.5312
Epoch 34: val_loss improved from 0.66447 to 0.66420, saving model to tmp/Weights-034--0.66420.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6718 - accuracy: 0.5345 - val_loss: 0.6642 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 35/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6672 - accuracy: 0.5938
Epoch 35: val_loss did not improve from 0.66420
11/11 [=====] - 0s 7ms/step - loss: 0.6721 - accuracy: 0.5316 - val_loss: 0.6673 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 36/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6547 - accuracy: 0.5312
Epoch 36: val_loss improved from 0.66420 to 0.66286, saving model to tmp/Weights-036--0.66286.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6685 - accuracy: 0.5603 - val_loss: 0.6629 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 37/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6736 - accuracy: 0.5312
Epoch 37: val_loss did not improve from 0.66286
11/11 [=====] - 0s 9ms/step - loss: 0.6706 - accuracy: 0.5603 - val_loss: 0.6665 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 38/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6863 - accuracy: 0.6250
Epoch 38: val_loss did not improve from 0.66286
11/11 [=====] - 0s 9ms/step - loss: 0.6715 - accuracy: 0.5603 - val_loss: 0.6664 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 39/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6713 - accuracy: 0.6250
Epoch 39: val_loss did not improve from 0.66286
11/11 [=====] - 0s 9ms/step - loss: 0.6703 - accuracy: 0.5632 - val_loss: 0.6633 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 40/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7153 - accuracy: 0.5625
Epoch 40: val_loss did not improve from 0.66286
11/11 [=====] - 0s 8ms/step - loss: 0.6692 - accuracy: 0.5661 - val_loss: 0.6638 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 41/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6573 - accuracy: 0.5938
Epoch 41: val_loss did not improve from 0.66286
11/11 [=====] - 0s 9ms/step - loss: 0.6681 - accuracy: 0.5230 - val_loss: 0.6644 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 42/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6425 - accuracy: 0.5312
Epoch 42: val_loss did not improve from 0.66286
11/11 [=====] - 0s 8ms/step - loss: 0.6694 - accuracy: 0.5489 - val_loss: 0.6668 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 43/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6757 - accuracy: 0.5000
Epoch 43: val_loss did not improve from 0.66286
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11/11 [=====] - 0s 8ms/step - loss: 0.6669 - accuracy: 0.5201 - val_loss: 0.6643 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 44/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6153 - accuracy: 0.7188
Epoch 44: val_loss improved from 0.66286 to 0.66123, saving model to tmp/Weights-044--0.66123.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6655 - accuracy: 0.5287 - val_loss: 0.6612 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 45/1000
11/11 [=====] - ETA: 0s - loss: 0.6651 - accuracy: 0.5431
Epoch 45: val_loss did not improve from 0.66123
11/11 [=====] - 0s 10ms/step - loss: 0.6651 - accuracy: 0.5431 - val_loss: 0.6636 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 46/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6972 - accuracy: 0.5312
Epoch 46: val_loss did not improve from 0.66123
11/11 [=====] - 0s 8ms/step - loss: 0.6646 - accuracy: 0.5546 - val_loss: 0.6630 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 47/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6717 - accuracy: 0.4688
Epoch 47: val_loss did not improve from 0.66123
11/11 [=====] - 0s 7ms/step - loss: 0.6694 - accuracy: 0.5517 - val_loss: 0.6652 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 48/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7369 - accuracy: 0.5000
Epoch 48: val_loss did not improve from 0.66123
11/11 [=====] - 0s 9ms/step - loss: 0.6707 - accuracy: 0.5603 - val_loss: 0.6654 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 49/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7135 - accuracy: 0.4375
Epoch 49: val_loss did not improve from 0.66123
11/11 [=====] - 0s 9ms/step - loss: 0.6687 - accuracy: 0.5575 - val_loss: 0.6614 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 50/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7044 - accuracy: 0.4375
Epoch 50: val_loss did not improve from 0.66123
11/11 [=====] - 0s 9ms/step - loss: 0.6697 - accuracy: 0.5431 - val_loss: 0.6641 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 51/1000
11/11 [=====] - ETA: 0s - loss: 0.6653 - accuracy: 0.5546
Epoch 51: val_loss did not improve from 0.66123
11/11 [=====] - 0s 11ms/step - loss: 0.6653 - accuracy: 0.5546 - val_loss: 0.6660 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 52/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6783 - accuracy: 0.5312
Epoch 52: val_loss did not improve from 0.66123
11/11 [=====] - 0s 9ms/step - loss: 0.6726 - accuracy: 0.5431 - val_loss: 0.6641 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 53/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6612 - accuracy: 0.5312
Epoch 53: val_loss did not improve from 0.66123
11/11 [=====] - 0s 9ms/step - loss: 0.6687 - accuracy: 0.5833 - val_loss: 0.6624 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 54/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6403 - accuracy: 0.7500
Epoch 54: val_loss did not improve from 0.66123
11/11 [=====] - 0s 9ms/step - loss: 0.6656 - accuracy: 0.5920 - val_loss: 0.6700 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 55/1000
11/11 [=====] - ETA: 0s - loss: 0.6638 - accuracy: 0.5833
Epoch 55: val_loss improved from 0.66123 to 0.65854, saving model to tmp/Weights-055--0.65854.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6638 - accuracy: 0.5833 - val_loss: 0.6585 - val_accuracy: 0.5533 - lr: 0.0090
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Epoch 56/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6807 - accuracy: 0.5312
Epoch 56: val_loss did not improve from 0.65854
11/11 [=====] - 0s 7ms/step - loss: 0.6642 - accuracy: 0.
5718 - val_loss: 0.6616 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 57/1000
11/11 [=====] - ETA: 0s - loss: 0.6629 - accuracy: 0.5575
Epoch 57: val_loss did not improve from 0.65854
11/11 [=====] - 0s 10ms/step - loss: 0.6629 - accuracy:
0.5575 - val_loss: 0.6619 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 58/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6586 - accuracy: 0.5875
Epoch 58: val_loss did not improve from 0.65854
11/11 [=====] - 0s 10ms/step - loss: 0.6619 - accuracy:
0.5718 - val_loss: 0.6630 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 59/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6691 - accuracy: 0.4375
Epoch 59: val_loss did not improve from 0.65854
11/11 [=====] - 0s 9ms/step - loss: 0.6653 - accuracy: 0.
5776 - val_loss: 0.6604 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 60/1000
11/11 [=====] - ETA: 0s - loss: 0.6614 - accuracy: 0.5460
Epoch 60: val_loss did not improve from 0.65854
11/11 [=====] - 0s 10ms/step - loss: 0.6614 - accuracy:
0.5460 - val_loss: 0.6589 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 61/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6672 - accuracy: 0.5000
Epoch 61: val_loss did not improve from 0.65854
11/11 [=====] - 0s 8ms/step - loss: 0.6620 - accuracy: 0.
5546 - val_loss: 0.6596 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 62/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6692 - accuracy: 0.6562
Epoch 62: val_loss did not improve from 0.65854
11/11 [=====] - 0s 10ms/step - loss: 0.6626 - accuracy:
0.5661 - val_loss: 0.6609 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 63/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7032 - accuracy: 0.4375
Epoch 63: val_loss improved from 0.65854 to 0.65776, saving model to tmp/Weights-0
63--0.65776.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6614 - accuracy:
0.5661 - val_loss: 0.6578 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 64/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6632 - accuracy: 0.5312
Epoch 64: val_loss did not improve from 0.65776
11/11 [=====] - 0s 9ms/step - loss: 0.6597 - accuracy: 0.
5603 - val_loss: 0.6602 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 65/1000
11/11 [=====] - ETA: 0s - loss: 0.6579 - accuracy: 0.5747
Epoch 65: val_loss did not improve from 0.65776
11/11 [=====] - 0s 11ms/step - loss: 0.6579 - accuracy:
0.5747 - val_loss: 0.6581 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 66/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6973 - accuracy: 0.3438
Epoch 66: val_loss did not improve from 0.65776
11/11 [=====] - 0s 9ms/step - loss: 0.6617 - accuracy: 0.
5776 - val_loss: 0.6596 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 67/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6341 - accuracy: 0.6562
Epoch 67: val_loss improved from 0.65776 to 0.65706, saving model to tmp/Weights-0
67--0.65706.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6594 - accuracy:
0.5776 - val_loss: 0.6571 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 68/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6735 - accuracy: 0.5312
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Epoch 68: val_loss did not improve from 0.65706
11/11 [=====] - 0s 8ms/step - loss: 0.6584 - accuracy: 0.
5460 - val_loss: 0.6607 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 69/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6947 - accuracy: 0.5000
Epoch 69: val_loss did not improve from 0.65706
11/11 [=====] - 0s 10ms/step - loss: 0.6577 - accuracy:
0.5517 - val_loss: 0.6581 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 70/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6756 - accuracy: 0.4688
Epoch 70: val_loss did not improve from 0.65706
11/11 [=====] - 0s 9ms/step - loss: 0.6592 - accuracy: 0.
5575 - val_loss: 0.6627 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 71/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6728 - accuracy: 0.5938
Epoch 71: val_loss did not improve from 0.65706
11/11 [=====] - 0s 9ms/step - loss: 0.6586 - accuracy: 0.
5690 - val_loss: 0.6604 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 72/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6773 - accuracy: 0.5000
Epoch 72: val_loss did not improve from 0.65706
11/11 [=====] - 0s 9ms/step - loss: 0.6550 - accuracy: 0.
5805 - val_loss: 0.6582 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 73/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7201 - accuracy: 0.3125
Epoch 73: val_loss did not improve from 0.65706
11/11 [=====] - 0s 9ms/step - loss: 0.6554 - accuracy: 0.
5718 - val_loss: 0.6590 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 74/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6404 - accuracy: 0.5312
Epoch 74: val_loss did not improve from 0.65706
11/11 [=====] - 0s 9ms/step - loss: 0.6603 - accuracy: 0.
5575 - val_loss: 0.6584 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 75/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6783 - accuracy: 0.5000
Epoch 75: val_loss improved from 0.65706 to 0.65525, saving model to tmp/Weights-0
75--0.65525.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6576 - accuracy:
0.5805 - val_loss: 0.6553 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 76/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6684 - accuracy: 0.5625
Epoch 76: val_loss did not improve from 0.65525
11/11 [=====] - 0s 9ms/step - loss: 0.6586 - accuracy: 0.
5920 - val_loss: 0.6625 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 77/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6707 - accuracy: 0.4375
Epoch 77: val_loss did not improve from 0.65525
11/11 [=====] - 0s 9ms/step - loss: 0.6549 - accuracy: 0.
5603 - val_loss: 0.6584 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 78/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6938 - accuracy: 0.3750
Epoch 78: val_loss did not improve from 0.65525
11/11 [=====] - 0s 9ms/step - loss: 0.6550 - accuracy: 0.
5747 - val_loss: 0.6615 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 79/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6906 - accuracy: 0.5000
Epoch 79: val_loss did not improve from 0.65525
11/11 [=====] - 0s 9ms/step - loss: 0.6537 - accuracy: 0.
5747 - val_loss: 0.6597 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 80/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6443 - accuracy: 0.5312
Epoch 80: val_loss did not improve from 0.65525
11/11 [=====] - 0s 9ms/step - loss: 0.6516 - accuracy: 0.
5632 - val_loss: 0.6589 - val_accuracy: 0.5333 - lr: 0.0090
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Epoch 81/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6529 - accuracy: 0.5000
Epoch 81: val_loss did not improve from 0.65525
11/11 [=====] - 0s 8ms/step - loss: 0.6544 - accuracy: 0.
5661 - val_loss: 0.6561 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 82/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6187 - accuracy: 0.5625
Epoch 82: val_loss did not improve from 0.65525
11/11 [=====] - 0s 9ms/step - loss: 0.6536 - accuracy: 0.
5920 - val_loss: 0.6617 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 83/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6229 - accuracy: 0.6562
Epoch 83: val_loss did not improve from 0.65525
11/11 [=====] - 0s 8ms/step - loss: 0.6520 - accuracy: 0.
5661 - val_loss: 0.6559 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 84/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6713 - accuracy: 0.4375
Epoch 84: val_loss did not improve from 0.65525
11/11 [=====] - 0s 9ms/step - loss: 0.6500 - accuracy: 0.
5747 - val_loss: 0.6579 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 85/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6423 - accuracy: 0.5625
Epoch 85: val_loss did not improve from 0.65525
11/11 [=====] - 0s 8ms/step - loss: 0.6544 - accuracy: 0.
5977 - val_loss: 0.6564 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 86/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6361 - accuracy: 0.5625
Epoch 86: val_loss did not improve from 0.65525
11/11 [=====] - 0s 9ms/step - loss: 0.6545 - accuracy: 0.
5661 - val_loss: 0.6602 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 87/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6227 - accuracy: 0.5938
Epoch 87: val_loss did not improve from 0.65525
11/11 [=====] - 0s 10ms/step - loss: 0.6559 - accuracy: 0.
5805 - val_loss: 0.6605 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 88/1000
9/11 [=====>.....] - ETA: 0s - loss: 0.6594 - accuracy: 0.5486
Epoch 88: val_loss did not improve from 0.65525
11/11 [=====] - 0s 12ms/step - loss: 0.6526 - accuracy: 0.
5632 - val_loss: 0.6575 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 89/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6399 - accuracy: 0.6250
Epoch 89: val_loss improved from 0.65525 to 0.65385, saving model to tmp/Weights-0
89--0.65385.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6510 - accuracy: 0.
5632 - val_loss: 0.6539 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 90/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5916 - accuracy: 0.6562
Epoch 90: val_loss did not improve from 0.65385
11/11 [=====] - 0s 8ms/step - loss: 0.6554 - accuracy: 0.
6293 - val_loss: 0.6652 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 91/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6374 - accuracy: 0.6562
Epoch 91: val_loss did not improve from 0.65385
11/11 [=====] - 0s 9ms/step - loss: 0.6648 - accuracy: 0.
5402 - val_loss: 0.6643 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 92/1000
11/11 [=====] - ETA: 0s - loss: 0.6650 - accuracy: 0.5718
Epoch 92: val_loss did not improve from 0.65385
11/11 [=====] - 0s 11ms/step - loss: 0.6650 - accuracy: 0.
5718 - val_loss: 0.6615 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 93/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6663 - accuracy: 0.6875
Epoch 93: val_loss did not improve from 0.65385
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11/11 [=====] - 0s 9ms/step - loss: 0.6680 - accuracy: 0.  
5517 - val_loss: 0.6661 - val_accuracy: 0.5067 - lr: 0.0090  
Epoch 94/1000  
11/11 [=====] - ETA: 0s - loss: 0.6637 - accuracy: 0.5632  
Epoch 94: val_loss did not improve from 0.65385  
11/11 [=====] - 0s 11ms/step - loss: 0.6637 - accuracy:  
0.5632 - val_loss: 0.6699 - val_accuracy: 0.5533 - lr: 0.0090  
Epoch 95/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6497 - accuracy: 0.7188  
Epoch 95: val_loss did not improve from 0.65385  
11/11 [=====] - 0s 9ms/step - loss: 0.6562 - accuracy: 0.  
5948 - val_loss: 0.6679 - val_accuracy: 0.5333 - lr: 0.0090  
Epoch 96/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6488 - accuracy: 0.6875  
Epoch 96: val_loss did not improve from 0.65385  
11/11 [=====] - 0s 10ms/step - loss: 0.6591 - accuracy:  
0.5489 - val_loss: 0.6662 - val_accuracy: 0.5267 - lr: 0.0090  
Epoch 97/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6765 - accuracy: 0.5312  
Epoch 97: val_loss did not improve from 0.65385  
11/11 [=====] - 0s 9ms/step - loss: 0.6547 - accuracy: 0.  
5747 - val_loss: 0.6660 - val_accuracy: 0.5400 - lr: 0.0090  
Epoch 98/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6807 - accuracy: 0.5312  
Epoch 98: val_loss did not improve from 0.65385  
11/11 [=====] - 0s 9ms/step - loss: 0.6487 - accuracy: 0.  
6006 - val_loss: 0.6593 - val_accuracy: 0.5133 - lr: 0.0090  
Epoch 99/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6481 - accuracy: 0.5312  
Epoch 99: val_loss did not improve from 0.65385  
11/11 [=====] - 0s 9ms/step - loss: 0.6532 - accuracy: 0.  
5747 - val_loss: 0.6581 - val_accuracy: 0.5333 - lr: 0.0090  
Epoch 100/1000  
11/11 [=====] - ETA: 0s - loss: 0.6491 - accuracy: 0.5747  
Epoch 100: val_loss did not improve from 0.65385  
11/11 [=====] - 0s 9ms/step - loss: 0.6491 - accuracy: 0.  
5747 - val_loss: 0.6588 - val_accuracy: 0.5400 - lr: 0.0090  
Epoch 101/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6075 - accuracy: 0.5938  
Epoch 101: val_loss did not improve from 0.65385  
11/11 [=====] - 0s 10ms/step - loss: 0.6482 - accuracy:  
0.6149 - val_loss: 0.6582 - val_accuracy: 0.5667 - lr: 0.0090  
Epoch 102/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6198 - accuracy: 0.6875  
Epoch 102: val_loss did not improve from 0.65385  
11/11 [=====] - 0s 9ms/step - loss: 0.6519 - accuracy: 0.  
6236 - val_loss: 0.6670 - val_accuracy: 0.5133 - lr: 0.0090  
Epoch 103/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6716 - accuracy: 0.4062  
Epoch 103: val_loss did not improve from 0.65385  
11/11 [=====] - 0s 9ms/step - loss: 0.6643 - accuracy: 0.  
5489 - val_loss: 0.6574 - val_accuracy: 0.5400 - lr: 0.0090  
Epoch 104/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6427 - accuracy: 0.6250  
Epoch 104: val_loss did not improve from 0.65385  
11/11 [=====] - 0s 9ms/step - loss: 0.6515 - accuracy: 0.  
6063 - val_loss: 0.6701 - val_accuracy: 0.5400 - lr: 0.0090  
Epoch 105/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6069 - accuracy: 0.7812  
Epoch 105: val_loss did not improve from 0.65385  
11/11 [=====] - 0s 9ms/step - loss: 0.6490 - accuracy: 0.  
6034 - val_loss: 0.6624 - val_accuracy: 0.5200 - lr: 0.0090  
Epoch 106/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5778 - accuracy: 0.6250
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Epoch 106: val_loss did not improve from 0.65385
11/11 [=====] - 0s 8ms/step - loss: 0.6517 - accuracy: 0.
5575 - val_loss: 0.6634 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 107/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6549 - accuracy: 0.6562
Epoch 107: val_loss did not improve from 0.65385
11/11 [=====] - 0s 8ms/step - loss: 0.6509 - accuracy: 0.
6149 - val_loss: 0.6578 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 108/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6439 - accuracy: 0.5625
Epoch 108: val_loss improved from 0.65385 to 0.65258, saving model to tmp/Weights-108--0.65258.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6461 - accuracy: 0.
5776 - val_loss: 0.6526 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 109/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6068 - accuracy: 0.6250
Epoch 109: val_loss did not improve from 0.65258
11/11 [=====] - 0s 8ms/step - loss: 0.6475 - accuracy: 0.
5833 - val_loss: 0.6660 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 110/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6546 - accuracy: 0.5625
Epoch 110: val_loss did not improve from 0.65258
11/11 [=====] - 0s 8ms/step - loss: 0.6486 - accuracy: 0.
5747 - val_loss: 0.6574 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 111/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6455 - accuracy: 0.6875
Epoch 111: val_loss did not improve from 0.65258
11/11 [=====] - 0s 9ms/step - loss: 0.6444 - accuracy: 0.
6121 - val_loss: 0.6543 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 112/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6463 - accuracy: 0.6250
Epoch 112: val_loss did not improve from 0.65258
11/11 [=====] - 0s 9ms/step - loss: 0.6437 - accuracy: 0.
5776 - val_loss: 0.6544 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 113/1000
11/11 [=====] - ETA: 0s - loss: 0.6447 - accuracy: 0.6006
Epoch 113: val_loss did not improve from 0.65258
11/11 [=====] - 0s 10ms/step - loss: 0.6447 - accuracy: 0.
6006 - val_loss: 0.6592 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 114/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6560 - accuracy: 0.5312
Epoch 114: val_loss did not improve from 0.65258
11/11 [=====] - 0s 9ms/step - loss: 0.6419 - accuracy: 0.
6178 - val_loss: 0.6552 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 115/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5924 - accuracy: 0.7188
Epoch 115: val_loss did not improve from 0.65258
11/11 [=====] - 0s 10ms/step - loss: 0.6428 - accuracy: 0.
5776 - val_loss: 0.6569 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 116/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6458 - accuracy: 0.6562
Epoch 116: val_loss did not improve from 0.65258
11/11 [=====] - 0s 9ms/step - loss: 0.6427 - accuracy: 0.
5718 - val_loss: 0.6583 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 117/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6945 - accuracy: 0.4375
Epoch 117: val_loss did not improve from 0.65258
11/11 [=====] - 0s 9ms/step - loss: 0.6486 - accuracy: 0.
5891 - val_loss: 0.6557 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 118/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5905 - accuracy: 0.6562
Epoch 118: val_loss did not improve from 0.65258
11/11 [=====] - 0s 8ms/step - loss: 0.6409 - accuracy: 0.
5862 - val_loss: 0.6587 - val_accuracy: 0.5267 - lr: 0.0090
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Epoch 119/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6083 - accuracy: 0.6250
Epoch 119: val_loss did not improve from 0.65258
11/11 [=====] - 0s 8ms/step - loss: 0.6431 - accuracy: 0.
5977 - val_loss: 0.6574 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 120/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6367 - accuracy: 0.6250
Epoch 120: val_loss did not improve from 0.65258
11/11 [=====] - 0s 8ms/step - loss: 0.6441 - accuracy: 0.
6207 - val_loss: 0.6574 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 121/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6598 - accuracy: 0.5312
Epoch 121: val_loss did not improve from 0.65258
11/11 [=====] - 0s 9ms/step - loss: 0.6426 - accuracy: 0.
6149 - val_loss: 0.6551 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 122/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6108 - accuracy: 0.6562
Epoch 122: val_loss did not improve from 0.65258
11/11 [=====] - 0s 9ms/step - loss: 0.6399 - accuracy: 0.
6092 - val_loss: 0.6554 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 123/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6336 - accuracy: 0.6562
Epoch 123: val_loss did not improve from 0.65258
11/11 [=====] - 0s 10ms/step - loss: 0.6396 - accuracy: 0.
5977 - val_loss: 0.6555 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 124/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5909 - accuracy: 0.7188
Epoch 124: val_loss did not improve from 0.65258
11/11 [=====] - 0s 9ms/step - loss: 0.6375 - accuracy: 0.
6178 - val_loss: 0.6570 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 125/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6454 - accuracy: 0.5938
Epoch 125: val_loss did not improve from 0.65258
11/11 [=====] - 0s 9ms/step - loss: 0.6397 - accuracy: 0.
6006 - val_loss: 0.6555 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 126/1000
11/11 [=====] - ETA: 0s - loss: 0.6457 - accuracy: 0.5776
Epoch 126: val_loss did not improve from 0.65258
11/11 [=====] - 0s 11ms/step - loss: 0.6457 - accuracy: 0.
5776 - val_loss: 0.6565 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 127/1000
11/11 [=====] - ETA: 0s - loss: 0.6397 - accuracy: 0.5977
Epoch 127: val_loss did not improve from 0.65258
11/11 [=====] - 0s 10ms/step - loss: 0.6397 - accuracy: 0.
5977 - val_loss: 0.6532 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 128/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6371 - accuracy: 0.5938
Epoch 128: val_loss did not improve from 0.65258
11/11 [=====] - 0s 9ms/step - loss: 0.6427 - accuracy: 0.
6178 - val_loss: 0.6580 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 129/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6419 - accuracy: 0.6875
Epoch 129: val_loss did not improve from 0.65258
11/11 [=====] - 0s 9ms/step - loss: 0.6388 - accuracy: 0.
6207 - val_loss: 0.6583 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 130/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6710 - accuracy: 0.5000
Epoch 130: val_loss improved from 0.65258 to 0.65234, saving model to tmp/Weights-130--0.65234.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6358 - accuracy: 0.
6121 - val_loss: 0.6523 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 131/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6922 - accuracy: 0.5625
Epoch 131: val_loss did not improve from 0.65234
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11/11 [=====] - 0s 9ms/step - loss: 0.6362 - accuracy: 0.6236 - val_loss: 0.6555 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 132/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6014 - accuracy: 0.6562
Epoch 132: val_loss did not improve from 0.65234
11/11 [=====] - 0s 9ms/step - loss: 0.6377 - accuracy: 0.6149 - val_loss: 0.6559 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 133/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6754 - accuracy: 0.5938
Epoch 133: val_loss did not improve from 0.65234
11/11 [=====] - 0s 9ms/step - loss: 0.6365 - accuracy: 0.6207 - val_loss: 0.6562 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 134/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6722 - accuracy: 0.5312
Epoch 134: val_loss improved from 0.65234 to 0.65027, saving model to tmp/Weights-134--0.65027.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6349 - accuracy: 0.6207 - val_loss: 0.6503 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 135/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5992 - accuracy: 0.5938
Epoch 135: val_loss did not improve from 0.65027
11/11 [=====] - 0s 8ms/step - loss: 0.6378 - accuracy: 0.5920 - val_loss: 0.6577 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 136/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6241 - accuracy: 0.5938
Epoch 136: val_loss did not improve from 0.65027
11/11 [=====] - 0s 8ms/step - loss: 0.6359 - accuracy: 0.6437 - val_loss: 0.6568 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 137/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5865 - accuracy: 0.7188
Epoch 137: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6315 - accuracy: 0.6063 - val_loss: 0.6532 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 138/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6011 - accuracy: 0.6562
Epoch 138: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6330 - accuracy: 0.6149 - val_loss: 0.6599 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 139/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6427 - accuracy: 0.5938
Epoch 139: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6306 - accuracy: 0.6293 - val_loss: 0.6547 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 140/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6033 - accuracy: 0.6250
Epoch 140: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6331 - accuracy: 0.6063 - val_loss: 0.6597 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 141/1000
11/11 [=====] - ETA: 0s - loss: 0.6304 - accuracy: 0.6092
Epoch 141: val_loss did not improve from 0.65027
11/11 [=====] - 0s 10ms/step - loss: 0.6304 - accuracy: 0.6092 - val_loss: 0.6547 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 142/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5765 - accuracy: 0.7188
Epoch 142: val_loss did not improve from 0.65027
11/11 [=====] - 0s 8ms/step - loss: 0.6271 - accuracy: 0.6178 - val_loss: 0.6602 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 143/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5940 - accuracy: 0.6875
Epoch 143: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6306 - accuracy: 0.5833 - val_loss: 0.6663 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 144/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6026 - accuracy: 0.6875
Epoch 144: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6295 - accuracy: 0.
6236 - val_loss: 0.6614 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 145/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5651 - accuracy: 0.6875
Epoch 145: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6253 - accuracy: 0.
6178 - val_loss: 0.6628 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 146/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5751 - accuracy: 0.7500
Epoch 146: val_loss did not improve from 0.65027
11/11 [=====] - 0s 8ms/step - loss: 0.6388 - accuracy: 0.
5690 - val_loss: 0.6526 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 147/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6266 - accuracy: 0.6875
Epoch 147: val_loss did not improve from 0.65027
11/11 [=====] - 0s 10ms/step - loss: 0.6256 - accuracy: 0.
5977 - val_loss: 0.6678 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 148/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6524 - accuracy: 0.5312
Epoch 148: val_loss did not improve from 0.65027
11/11 [=====] - 0s 7ms/step - loss: 0.6302 - accuracy: 0.
6178 - val_loss: 0.6561 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 149/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6130 - accuracy: 0.7188
Epoch 149: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6294 - accuracy: 0.
6466 - val_loss: 0.6668 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 150/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5860 - accuracy: 0.6875
Epoch 150: val_loss did not improve from 0.65027
11/11 [=====] - 0s 10ms/step - loss: 0.6301 - accuracy: 0.
6034 - val_loss: 0.6663 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 151/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5519 - accuracy: 0.6875
Epoch 151: val_loss did not improve from 0.65027
11/11 [=====] - 0s 8ms/step - loss: 0.6316 - accuracy: 0.
6034 - val_loss: 0.6667 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 152/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6856 - accuracy: 0.5312
Epoch 152: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6323 - accuracy: 0.
5891 - val_loss: 0.6619 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 153/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5820 - accuracy: 0.6875
Epoch 153: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6214 - accuracy: 0.
6236 - val_loss: 0.6542 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 154/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5898 - accuracy: 0.7500
Epoch 154: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6257 - accuracy: 0.
6178 - val_loss: 0.6715 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 155/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5566 - accuracy: 0.7500
Epoch 155: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6258 - accuracy: 0.
6006 - val_loss: 0.6588 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 156/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6313 - accuracy: 0.5938
Epoch 156: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6174 - accuracy: 0.
6207 - val_loss: 0.6615 - val_accuracy: 0.5400 - lr: 0.0090
```

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Epoch 157/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6228 - accuracy: 0.6562
Epoch 157: val_loss did not improve from 0.65027
11/11 [=====] - 0s 10ms/step - loss: 0.6183 - accuracy: 0.6063 - val_loss: 0.6620 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 158/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6117 - accuracy: 0.6875
Epoch 158: val_loss did not improve from 0.65027
11/11 [=====] - 0s 8ms/step - loss: 0.6168 - accuracy: 0.6264 - val_loss: 0.6748 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 159/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6351 - accuracy: 0.5312
Epoch 159: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6206 - accuracy: 0.6092 - val_loss: 0.6689 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 160/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5925 - accuracy: 0.5938
Epoch 160: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6339 - accuracy: 0.5862 - val_loss: 0.6715 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 161/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6299 - accuracy: 0.5625
Epoch 161: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6236 - accuracy: 0.6178 - val_loss: 0.6692 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 162/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5907 - accuracy: 0.6875
Epoch 162: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6217 - accuracy: 0.6264 - val_loss: 0.6709 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 163/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6073 - accuracy: 0.6562
Epoch 163: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6160 - accuracy: 0.5747 - val_loss: 0.6557 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 164/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6209 - accuracy: 0.6250
Epoch 164: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6256 - accuracy: 0.6437 - val_loss: 0.6690 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 165/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6726 - accuracy: 0.4375
Epoch 165: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6264 - accuracy: 0.5718 - val_loss: 0.6791 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 166/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5961 - accuracy: 0.6875
Epoch 166: val_loss did not improve from 0.65027
11/11 [=====] - 0s 8ms/step - loss: 0.6352 - accuracy: 0.6121 - val_loss: 0.6750 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 167/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6090 - accuracy: 0.5625
Epoch 167: val_loss did not improve from 0.65027
11/11 [=====] - 0s 10ms/step - loss: 0.6180 - accuracy: 0.5891 - val_loss: 0.6772 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 168/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6104 - accuracy: 0.6250
Epoch 168: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6194 - accuracy: 0.6351 - val_loss: 0.6647 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 169/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6172 - accuracy: 0.6875
Epoch 169: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6184 - accuracy: 0.
```

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6006 - val_loss: 0.6845 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 170/1000
11/11 [=====] - ETA: 0s - loss: 0.6308 - accuracy: 0.6063
Epoch 170: val_loss did not improve from 0.65027
11/11 [=====] - 0s 10ms/step - loss: 0.6308 - accuracy: 0.6063
0.6635 - val_loss: 0.6635 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 171/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5699 - accuracy: 0.6250
Epoch 171: val_loss did not improve from 0.65027
11/11 [=====] - 0s 10ms/step - loss: 0.6127 - accuracy: 0.5920
0.6785 - val_loss: 0.6785 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 172/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6478 - accuracy: 0.6250
Epoch 172: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6194 - accuracy: 0.6351
0.6612 - val_loss: 0.6612 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 173/1000
11/11 [=====] - ETA: 0s - loss: 0.6207 - accuracy: 0.6063
Epoch 173: val_loss did not improve from 0.65027
11/11 [=====] - 0s 10ms/step - loss: 0.6207 - accuracy: 0.6063
0.6741 - val_loss: 0.6741 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 174/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6091 - accuracy: 0.6281
Epoch 174: val_loss did not improve from 0.65027
11/11 [=====] - 0s 11ms/step - loss: 0.6121 - accuracy: 0.6264
0.6636 - val_loss: 0.6636 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 175/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7014 - accuracy: 0.5312
Epoch 175: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6134 - accuracy: 0.5977
0.6825 - val_loss: 0.6825 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 176/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6318 - accuracy: 0.5000
Epoch 176: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6141 - accuracy: 0.5891
0.6716 - val_loss: 0.6716 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 177/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6288 - accuracy: 0.5312
Epoch 177: val_loss did not improve from 0.65027
11/11 [=====] - 0s 8ms/step - loss: 0.6210 - accuracy: 0.6121
0.6807 - val_loss: 0.6807 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 178/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5848 - accuracy: 0.6562
Epoch 178: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6207 - accuracy: 0.5891
0.6685 - val_loss: 0.6685 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 179/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6607 - accuracy: 0.4688
Epoch 179: val_loss did not improve from 0.65027
11/11 [=====] - 0s 10ms/step - loss: 0.6149 - accuracy: 0.6121
0.6698 - val_loss: 0.6698 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 180/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5318 - accuracy: 0.6562
Epoch 180: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6164 - accuracy: 0.6121
0.6761 - val_loss: 0.6761 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 181/1000
11/11 [=====] - ETA: 0s - loss: 0.6211 - accuracy: 0.6264
Epoch 181: val_loss did not improve from 0.65027
11/11 [=====] - 0s 11ms/step - loss: 0.6211 - accuracy: 0.6264
0.6672 - val_loss: 0.6672 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 182/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5840 - accuracy: 0.6562
Epoch 182: val_loss did not improve from 0.65027
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11/11 [=====] - 0s 9ms/step - loss: 0.6205 - accuracy: 0.  
5718 - val_loss: 0.6791 - val_accuracy: 0.5267 - lr: 0.0090  
Epoch 183/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6416 - accuracy: 0.5625  
Epoch 183: val_loss did not improve from 0.65027  
11/11 [=====] - 0s 9ms/step - loss: 0.6098 - accuracy: 0.  
5977 - val_loss: 0.6791 - val_accuracy: 0.5333 - lr: 0.0090  
Epoch 184/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6497 - accuracy: 0.3750  
Epoch 184: val_loss did not improve from 0.65027  
  
Epoch 184: ReduceLROnPlateau reducing learning rate to 0.006299999728798866.  
11/11 [=====] - 0s 9ms/step - loss: 0.6170 - accuracy: 0.  
6092 - val_loss: 0.6737 - val_accuracy: 0.5333 - lr: 0.0090  
Epoch 185/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5820 - accuracy: 0.6875  
Epoch 185: val_loss did not improve from 0.65027  
11/11 [=====] - 0s 8ms/step - loss: 0.6109 - accuracy: 0.  
6034 - val_loss: 0.6659 - val_accuracy: 0.5400 - lr: 0.0063  
Epoch 186/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6731 - accuracy: 0.5000  
Epoch 186: val_loss did not improve from 0.65027  
11/11 [=====] - 0s 9ms/step - loss: 0.6055 - accuracy: 0.  
6293 - val_loss: 0.6771 - val_accuracy: 0.5267 - lr: 0.0063  
Epoch 187/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5741 - accuracy: 0.6875  
Epoch 187: val_loss did not improve from 0.65027  
11/11 [=====] - 0s 9ms/step - loss: 0.6074 - accuracy: 0.  
6063 - val_loss: 0.6765 - val_accuracy: 0.5267 - lr: 0.0063  
Epoch 188/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5603 - accuracy: 0.6562  
Epoch 188: val_loss did not improve from 0.65027  
11/11 [=====] - 0s 9ms/step - loss: 0.6045 - accuracy: 0.  
6322 - val_loss: 0.6628 - val_accuracy: 0.5600 - lr: 0.0063  
Epoch 189/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5689 - accuracy: 0.6875  
Epoch 189: val_loss did not improve from 0.65027  
11/11 [=====] - 0s 9ms/step - loss: 0.6062 - accuracy: 0.  
6264 - val_loss: 0.6689 - val_accuracy: 0.5400 - lr: 0.0063  
Epoch 190/1000  
11/11 [=====] - ETA: 0s - loss: 0.6051 - accuracy: 0.6034  
Epoch 190: val_loss did not improve from 0.65027  
11/11 [=====] - 0s 11ms/step - loss: 0.6051 - accuracy:  
0.6034 - val_loss: 0.6761 - val_accuracy: 0.5200 - lr: 0.0063  
Epoch 191/1000  
1/11 [=====>.....] - ETA: 0s - loss: 0.6090 - accuracy: 0.6250  
Epoch 191: val_loss did not improve from 0.65027  
11/11 [=====] - 0s 12ms/step - loss: 0.6086 - accuracy:  
0.6178 - val_loss: 0.6678 - val_accuracy: 0.5333 - lr: 0.0063  
Epoch 192/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5540 - accuracy: 0.6562  
Epoch 192: val_loss did not improve from 0.65027  
11/11 [=====] - 0s 10ms/step - loss: 0.6141 - accuracy:  
0.5948 - val_loss: 0.6685 - val_accuracy: 0.5533 - lr: 0.0063  
Epoch 193/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6680 - accuracy: 0.6562  
Epoch 193: val_loss did not improve from 0.65027  
11/11 [=====] - 0s 10ms/step - loss: 0.6128 - accuracy:  
0.6092 - val_loss: 0.6696 - val_accuracy: 0.5467 - lr: 0.0063  
Epoch 194/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6358 - accuracy: 0.5312  
Epoch 194: val_loss did not improve from 0.65027  
11/11 [=====] - 0s 10ms/step - loss: 0.6025 - accuracy:  
0.6006 - val_loss: 0.6768 - val_accuracy: 0.5200 - lr: 0.0063
```

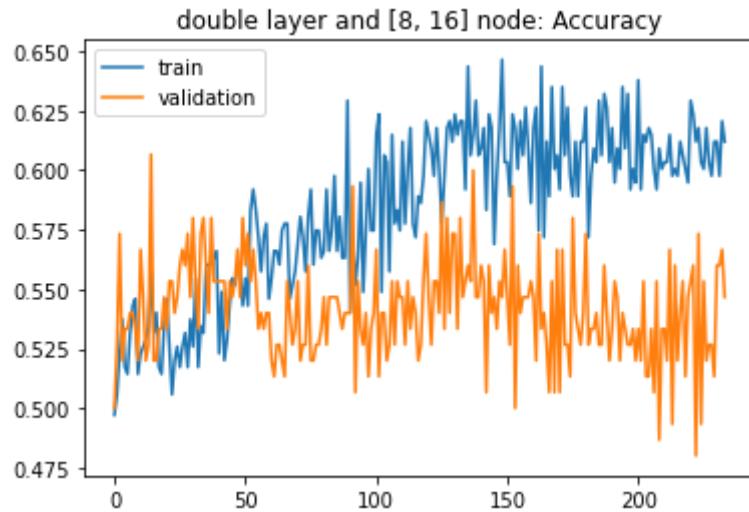
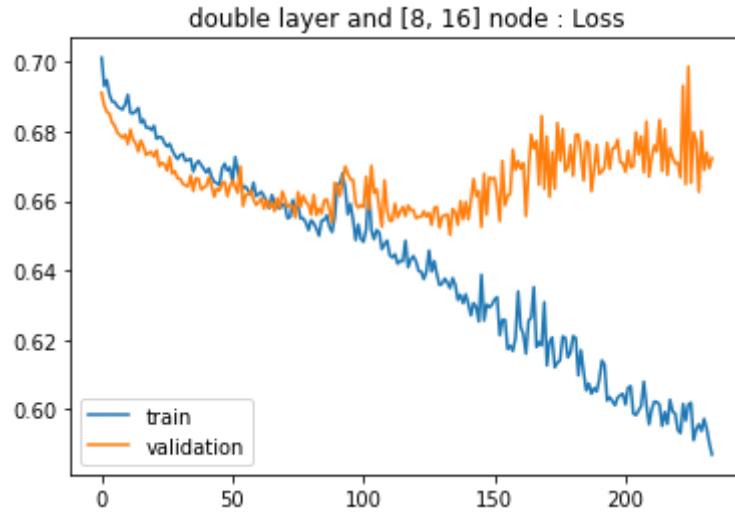
```
Epoch 195/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5794 - accuracy: 0.6875
Epoch 195: val_loss did not improve from 0.65027
11/11 [=====] - 0s 10ms/step - loss: 0.6035 - accuracy: 0.6351 - val_loss: 0.6692 - val_accuracy: 0.5400 - lr: 0.0063
Epoch 196/1000
11/11 [=====] - ETA: 0s - loss: 0.6024 - accuracy: 0.6092
Epoch 196: val_loss did not improve from 0.65027
11/11 [=====] - 0s 11ms/step - loss: 0.6024 - accuracy: 0.6092 - val_loss: 0.6752 - val_accuracy: 0.5333 - lr: 0.0063
Epoch 197/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6392 - accuracy: 0.5938
Epoch 197: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6012 - accuracy: 0.6322 - val_loss: 0.6753 - val_accuracy: 0.5267 - lr: 0.0063
Epoch 198/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5904 - accuracy: 0.5938
Epoch 198: val_loss did not improve from 0.65027
11/11 [=====] - 0s 10ms/step - loss: 0.6034 - accuracy: 0.5920 - val_loss: 0.6776 - val_accuracy: 0.5267 - lr: 0.0063
Epoch 199/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5576 - accuracy: 0.6250
Epoch 199: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6041 - accuracy: 0.6006 - val_loss: 0.6711 - val_accuracy: 0.5333 - lr: 0.0063
Epoch 200/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6785 - accuracy: 0.5000
Epoch 200: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6045 - accuracy: 0.5948 - val_loss: 0.6708 - val_accuracy: 0.5200 - lr: 0.0063
Epoch 201/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5245 - accuracy: 0.6875
Epoch 201: val_loss did not improve from 0.65027
11/11 [=====] - 0s 10ms/step - loss: 0.6014 - accuracy: 0.6379 - val_loss: 0.6684 - val_accuracy: 0.5333 - lr: 0.0063
Epoch 202/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6070 - accuracy: 0.6875
Epoch 202: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6063 - accuracy: 0.5920 - val_loss: 0.6744 - val_accuracy: 0.5200 - lr: 0.0063
Epoch 203/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5934 - accuracy: 0.5938
Epoch 203: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6067 - accuracy: 0.6149 - val_loss: 0.6697 - val_accuracy: 0.5533 - lr: 0.0063
Epoch 204/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5995 - accuracy: 0.5938
Epoch 204: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.5988 - accuracy: 0.6121 - val_loss: 0.6700 - val_accuracy: 0.5133 - lr: 0.0063
Epoch 205/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5673 - accuracy: 0.6875
Epoch 205: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.5984 - accuracy: 0.6178 - val_loss: 0.6798 - val_accuracy: 0.5133 - lr: 0.0063
Epoch 206/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5827 - accuracy: 0.6250
Epoch 206: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.5997 - accuracy: 0.6149 - val_loss: 0.6734 - val_accuracy: 0.5333 - lr: 0.0063
Epoch 207/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6076 - accuracy: 0.5312
Epoch 207: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6010 - accuracy: 0.
```

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6006 - val_loss: 0.6786 - val_accuracy: 0.5067 - lr: 0.0063
Epoch 208/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5878 - accuracy: 0.6250
Epoch 208: val_loss did not improve from 0.65027
11/11 [=====] - 0s 8ms/step - loss: 0.6080 - accuracy: 0.
5920 - val_loss: 0.6682 - val_accuracy: 0.5533 - lr: 0.0063
Epoch 209/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6415 - accuracy: 0.5312
Epoch 209: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6012 - accuracy: 0.
6092 - val_loss: 0.6828 - val_accuracy: 0.4867 - lr: 0.0063
Epoch 210/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6496 - accuracy: 0.5312
Epoch 210: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.5957 - accuracy: 0.
6006 - val_loss: 0.6670 - val_accuracy: 0.5333 - lr: 0.0063
Epoch 211/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5566 - accuracy: 0.5938
Epoch 211: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6000 - accuracy: 0.
6034 - val_loss: 0.6726 - val_accuracy: 0.5333 - lr: 0.0063
Epoch 212/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5983 - accuracy: 0.5312
Epoch 212: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6022 - accuracy: 0.
6034 - val_loss: 0.6760 - val_accuracy: 0.5200 - lr: 0.0063
Epoch 213/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6236 - accuracy: 0.6250
Epoch 213: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6021 - accuracy: 0.
6149 - val_loss: 0.6742 - val_accuracy: 0.5667 - lr: 0.0063
Epoch 214/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5187 - accuracy: 0.7188
Epoch 214: val_loss did not improve from 0.65027
11/11 [=====] - 0s 13ms/step - loss: 0.6013 - accuracy: 0.
5977 - val_loss: 0.6833 - val_accuracy: 0.4933 - lr: 0.0063
Epoch 215/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5738 - accuracy: 0.6875
Epoch 215: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.5952 - accuracy: 0.
6006 - val_loss: 0.6686 - val_accuracy: 0.5600 - lr: 0.0063
Epoch 216/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5871 - accuracy: 0.6250
Epoch 216: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.5992 - accuracy: 0.
5977 - val_loss: 0.6807 - val_accuracy: 0.5200 - lr: 0.0063
Epoch 217/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6189 - accuracy: 0.5938
Epoch 217: val_loss did not improve from 0.65027
11/11 [=====] - 0s 10ms/step - loss: 0.5958 - accuracy: 0.
6121 - val_loss: 0.6675 - val_accuracy: 0.5400 - lr: 0.0063
Epoch 218/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6545 - accuracy: 0.4062
Epoch 218: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6028 - accuracy: 0.
6063 - val_loss: 0.6753 - val_accuracy: 0.5533 - lr: 0.0063
Epoch 219/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6016 - accuracy: 0.5969
Epoch 219: val_loss did not improve from 0.65027
11/11 [=====] - 0s 11ms/step - loss: 0.5994 - accuracy: 0.
6006 - val_loss: 0.6726 - val_accuracy: 0.5133 - lr: 0.0063
Epoch 220/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6265 - accuracy: 0.5938
Epoch 220: val_loss did not improve from 0.65027
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11/11 [=====] - 0s 9ms/step - loss: 0.5988 - accuracy: 0.5948 - val_loss: 0.6708 - val_accuracy: 0.5467 - lr: 0.0063
Epoch 221/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5900 - accuracy: 0.7188
Epoch 221: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.5940 - accuracy: 0.6293 - val_loss: 0.6709 - val_accuracy: 0.5533 - lr: 0.0063
Epoch 222/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5259 - accuracy: 0.7500
Epoch 222: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.5932 - accuracy: 0.6236 - val_loss: 0.6668 - val_accuracy: 0.5600 - lr: 0.0063
Epoch 223/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6201 - accuracy: 0.5312
Epoch 223: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6016 - accuracy: 0.6121 - val_loss: 0.6932 - val_accuracy: 0.4800 - lr: 0.0063
Epoch 224/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5784 - accuracy: 0.5938
Epoch 224: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.5968 - accuracy: 0.6178 - val_loss: 0.6648 - val_accuracy: 0.5733 - lr: 0.0063
Epoch 225/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6401 - accuracy: 0.5625
Epoch 225: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6014 - accuracy: 0.6034 - val_loss: 0.6987 - val_accuracy: 0.4933 - lr: 0.0063
Epoch 226/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6325 - accuracy: 0.6250
Epoch 226: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.6019 - accuracy: 0.6006 - val_loss: 0.6652 - val_accuracy: 0.5533 - lr: 0.0063
Epoch 227/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5621 - accuracy: 0.6562
Epoch 227: val_loss did not improve from 0.65027
11/11 [=====] - 0s 8ms/step - loss: 0.5911 - accuracy: 0.6178 - val_loss: 0.6798 - val_accuracy: 0.5200 - lr: 0.0063
Epoch 228/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4987 - accuracy: 0.7500
Epoch 228: val_loss did not improve from 0.65027
11/11 [=====] - 0s 8ms/step - loss: 0.5943 - accuracy: 0.6034 - val_loss: 0.6772 - val_accuracy: 0.5267 - lr: 0.0063
Epoch 229/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5167 - accuracy: 0.8125
Epoch 229: val_loss did not improve from 0.65027
11/11 [=====] - 0s 8ms/step - loss: 0.5957 - accuracy: 0.5977 - val_loss: 0.6626 - val_accuracy: 0.5267 - lr: 0.0063
Epoch 230/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6274 - accuracy: 0.5312
Epoch 230: val_loss did not improve from 0.65027
11/11 [=====] - 0s 8ms/step - loss: 0.5938 - accuracy: 0.6121 - val_loss: 0.6801 - val_accuracy: 0.5133 - lr: 0.0063
Epoch 231/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5610 - accuracy: 0.7188
Epoch 231: val_loss did not improve from 0.65027
11/11 [=====] - 0s 9ms/step - loss: 0.5973 - accuracy: 0.6121 - val_loss: 0.6689 - val_accuracy: 0.5600 - lr: 0.0063
Epoch 232/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6528 - accuracy: 0.6250
Epoch 232: val_loss did not improve from 0.65027
11/11 [=====] - 0s 10ms/step - loss: 0.5944 - accuracy: 0.5977 - val_loss: 0.6739 - val_accuracy: 0.5600 - lr: 0.0063
Epoch 233/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5486 - accuracy: 0.6250
```

```
Epoch 233: val_loss did not improve from 0.65027
11/11 [=====] - 0s 10ms/step - loss: 0.5903 - accuracy: 0.6207 - val_loss: 0.6694 - val_accuracy: 0.5667 - lr: 0.0063
Epoch 234/1000
1/11 [=.....] - ETA: 0s - loss: 0.5278 - accuracy: 0.6875
Epoch 234: val_loss did not improve from 0.65027

Epoch 234: ReduceLROnPlateau reducing learning rate to 0.004409999679774046.
11/11 [=====] - 0s 9ms/step - loss: 0.5870 - accuracy: 0.6121 - val_loss: 0.6723 - val_accuracy: 0.5467 - lr: 0.0063
Epoch 234: early stopping
Final training loss for double layer and [8, 16] nodes: 0.586997926235199
Final training accuracy for double layer and [8, 16] nodes 0.6120689511299133
Final validation loss for double layer and [8, 16] nodes 0.6723224520683289
Final validation accuracy for double layer and [8, 16] nodes 0.54666668176651
```



```
>>>>>>>>>>>>>>> Model training with double hidden layer and [12, 4] node>>>>
>>>>>>>
```

Model: "sequential_41"

Layer (type)	Output Shape	Param #
<hr/>		
dense_111 (Dense)	(None, 12)	36
dense_112 (Dense)	(None, 4)	52
dense_113 (Dense)	(None, 1)	5
<hr/>		
Total params: 93		
Trainable params: 93		
Non-trainable params: 0		

None

Epoch 1/1000

```
1/11 [=>.....] - ETA: 6s - loss: 0.7008 - accuracy: 0.4375
Epoch 1: val_loss improved from inf to 0.69419, saving model to tmp/Weights-001--0.69419.hdf5
```

```
11/11 [=====] - 1s 24ms/step - loss: 0.6959 - accuracy: 0.4741 - val_loss: 0.6942 - val_accuracy: 0.5000 - lr: 0.0090
```

Epoch 2/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6900 - accuracy: 0.6250
Epoch 2: val_loss improved from 0.69419 to 0.69401, saving model to tmp/Weights-002--0.69401.hdf5
```

```
11/11 [=====] - 0s 12ms/step - loss: 0.6943 - accuracy: 0.5029 - val_loss: 0.6940 - val_accuracy: 0.5000 - lr: 0.0090
```

Epoch 3/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6998 - accuracy: 0.3438
Epoch 3: val_loss improved from 0.69401 to 0.69361, saving model to tmp/Weights-003--0.69361.hdf5
```

```
11/11 [=====] - 0s 11ms/step - loss: 0.6941 - accuracy: 0.5029 - val_loss: 0.6936 - val_accuracy: 0.5000 - lr: 0.0090
```

Epoch 4/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6936 - accuracy: 0.5000
Epoch 4: val_loss improved from 0.69361 to 0.69308, saving model to tmp/Weights-004--0.69308.hdf5
```

```
11/11 [=====] - 0s 12ms/step - loss: 0.6935 - accuracy: 0.5259 - val_loss: 0.6931 - val_accuracy: 0.5267 - lr: 0.0090
```

Epoch 5/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6956 - accuracy: 0.3750
Epoch 5: val_loss improved from 0.69308 to 0.69196, saving model to tmp/Weights-005--0.69196.hdf5
```

```
11/11 [=====] - 0s 10ms/step - loss: 0.6931 - accuracy: 0.5259 - val_loss: 0.6920 - val_accuracy: 0.5467 - lr: 0.0090
```

Epoch 6/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6911 - accuracy: 0.6875
Epoch 6: val_loss improved from 0.69196 to 0.69096, saving model to tmp/Weights-006--0.69096.hdf5
```

```
11/11 [=====] - 0s 11ms/step - loss: 0.6927 - accuracy: 0.5230 - val_loss: 0.6910 - val_accuracy: 0.5400 - lr: 0.0090
```

Epoch 7/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6891 - accuracy: 0.6562
Epoch 7: val_loss improved from 0.69096 to 0.68976, saving model to tmp/Weights-007--0.68976.hdf5
```

```
11/11 [=====] - 0s 10ms/step - loss: 0.6918 - accuracy: 0.5431 - val_loss: 0.6898 - val_accuracy: 0.5600 - lr: 0.0090
```

Epoch 8/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6919 - accuracy: 0.5000
Epoch 8: val_loss improved from 0.68976 to 0.68717, saving model to tmp/Weights-00
8--0.68717.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6909 - accuracy:
0.4971 - val_loss: 0.6872 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 9/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6936 - accuracy: 0.5000
Epoch 9: val_loss improved from 0.68717 to 0.68600, saving model to tmp/Weights-00
9--0.68600.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6902 - accuracy:
0.5000 - val_loss: 0.6860 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 10/1000
11/11 [=====] - ETA: 0s - loss: 0.6903 - accuracy: 0.4885
Epoch 10: val_loss improved from 0.68600 to 0.68567, saving model to tmp/Weights-0
10--0.68567.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6903 - accuracy:
0.4885 - val_loss: 0.6857 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 11/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6858 - accuracy: 0.5312
Epoch 11: val_loss improved from 0.68567 to 0.68413, saving model to tmp/Weights-0
11--0.68413.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6899 - accuracy:
0.5000 - val_loss: 0.6841 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 12/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6794 - accuracy: 0.6562
Epoch 12: val_loss improved from 0.68413 to 0.68330, saving model to tmp/Weights-0
12--0.68330.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6887 - accuracy:
0.5517 - val_loss: 0.6833 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 13/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6726 - accuracy: 0.5938
Epoch 13: val_loss did not improve from 0.68330
11/11 [=====] - 0s 9ms/step - loss: 0.6879 - accuracy: 0.
5374 - val_loss: 0.6833 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 14/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6980 - accuracy: 0.4062
Epoch 14: val_loss did not improve from 0.68330
11/11 [=====] - 0s 10ms/step - loss: 0.6888 - accuracy:
0.5316 - val_loss: 0.6835 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 15/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6830 - accuracy: 0.6250
Epoch 15: val_loss improved from 0.68330 to 0.67996, saving model to tmp/Weights-0
15--0.67996.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6877 - accuracy:
0.5374 - val_loss: 0.6800 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 16/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6628 - accuracy: 0.7500
Epoch 16: val_loss did not improve from 0.67996
11/11 [=====] - 0s 10ms/step - loss: 0.6865 - accuracy:
0.5230 - val_loss: 0.6801 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 17/1000
9/11 [=====>.....] - ETA: 0s - loss: 0.6881 - accuracy: 0.5382
Epoch 17: val_loss did not improve from 0.67996
11/11 [=====] - 0s 11ms/step - loss: 0.6870 - accuracy:
0.5517 - val_loss: 0.6810 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 18/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6882 - accuracy: 0.5938
Epoch 18: val_loss improved from 0.67996 to 0.67866, saving model to tmp/Weights-0
18--0.67866.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6854 - accuracy:
0.5374 - val_loss: 0.6787 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 19/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6485 - accuracy: 0.7188
Epoch 19: val_loss improved from 0.67866 to 0.67752, saving model to tmp/Weights-0
```

```
19--0.67752.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6854 - accuracy: 0.5172 - val_loss: 0.6775 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 20/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6690 - accuracy: 0.5938
Epoch 20: val_loss did not improve from 0.67752
11/11 [=====] - 0s 9ms/step - loss: 0.6848 - accuracy: 0.5345 - val_loss: 0.6782 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 21/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6896 - accuracy: 0.4375
Epoch 21: val_loss improved from 0.67752 to 0.67596, saving model to tmp/Weights-0
21--0.67596.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6848 - accuracy: 0.5460 - val_loss: 0.6760 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 22/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6907 - accuracy: 0.5625
Epoch 22: val_loss did not improve from 0.67596
11/11 [=====] - 0s 9ms/step - loss: 0.6837 - accuracy: 0.5546 - val_loss: 0.6761 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 23/1000
11/11 [=====] - ETA: 0s - loss: 0.6833 - accuracy: 0.5259
Epoch 23: val_loss improved from 0.67596 to 0.67559, saving model to tmp/Weights-0
23--0.67559.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6833 - accuracy: 0.5259 - val_loss: 0.6756 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 24/1000
11/11 [=====] - ETA: 0s - loss: 0.6839 - accuracy: 0.5575
Epoch 24: val_loss did not improve from 0.67559
11/11 [=====] - 0s 10ms/step - loss: 0.6839 - accuracy: 0.5575 - val_loss: 0.6767 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 25/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6964 - accuracy: 0.4375
Epoch 25: val_loss improved from 0.67559 to 0.67464, saving model to tmp/Weights-0
25--0.67464.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6825 - accuracy: 0.5230 - val_loss: 0.6746 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 26/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7083 - accuracy: 0.4375
Epoch 26: val_loss improved from 0.67464 to 0.67302, saving model to tmp/Weights-0
26--0.67302.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6823 - accuracy: 0.5115 - val_loss: 0.6730 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 27/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6502 - accuracy: 0.5000
Epoch 27: val_loss did not improve from 0.67302
11/11 [=====] - 0s 9ms/step - loss: 0.6816 - accuracy: 0.5603 - val_loss: 0.6738 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 28/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6912 - accuracy: 0.3750
Epoch 28: val_loss did not improve from 0.67302
11/11 [=====] - 0s 9ms/step - loss: 0.6823 - accuracy: 0.5489 - val_loss: 0.6737 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 29/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6520 - accuracy: 0.7188
Epoch 29: val_loss improved from 0.67302 to 0.67160, saving model to tmp/Weights-0
29--0.67160.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6802 - accuracy: 0.5287 - val_loss: 0.6716 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 30/1000
11/11 [=====] - ETA: 0s - loss: 0.6805 - accuracy: 0.5603 - val_loss: 0.67057.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6805 - accuracy: 0.5603 - val_loss: 0.6706 - val_accuracy: 0.5600 - lr: 0.0090
```

```
Epoch 31/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6370 - accuracy: 0.5312
Epoch 31: val_loss did not improve from 0.67057
11/11 [=====] - 0s 8ms/step - loss: 0.6811 - accuracy: 0.
5460 - val_loss: 0.6722 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 32/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7129 - accuracy: 0.4062
Epoch 32: val_loss did not improve from 0.67057
11/11 [=====] - 0s 9ms/step - loss: 0.6814 - accuracy: 0.
5661 - val_loss: 0.6739 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 33/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7138 - accuracy: 0.4375
Epoch 33: val_loss did not improve from 0.67057
11/11 [=====] - 0s 8ms/step - loss: 0.6807 - accuracy: 0.
5632 - val_loss: 0.6732 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 34/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6921 - accuracy: 0.4688
Epoch 34: val_loss did not improve from 0.67057
11/11 [=====] - 0s 8ms/step - loss: 0.6801 - accuracy: 0.
5201 - val_loss: 0.6724 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 35/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6833 - accuracy: 0.5625
Epoch 35: val_loss did not improve from 0.67057
11/11 [=====] - 0s 8ms/step - loss: 0.6799 - accuracy: 0.
5402 - val_loss: 0.6715 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 36/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6823 - accuracy: 0.4688
Epoch 36: val_loss did not improve from 0.67057
11/11 [=====] - 0s 9ms/step - loss: 0.6795 - accuracy: 0.
5316 - val_loss: 0.6708 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 37/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6926 - accuracy: 0.5312
Epoch 37: val_loss improved from 0.67057 to 0.67052, saving model to tmp/Weights-0
37--0.67052.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6795 - accuracy:
0.5374 - val_loss: 0.6705 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 38/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6772 - accuracy: 0.5625
Epoch 38: val_loss improved from 0.67052 to 0.67035, saving model to tmp/Weights-0
38--0.67035.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6799 - accuracy:
0.5517 - val_loss: 0.6704 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 39/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6758 - accuracy: 0.6250
Epoch 39: val_loss improved from 0.67035 to 0.66889, saving model to tmp/Weights-0
39--0.66889.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6784 - accuracy:
0.5460 - val_loss: 0.6689 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 40/1000
11/11 [=====] - ETA: 0s - loss: 0.6779 - accuracy: 0.5747
Epoch 40: val_loss did not improve from 0.66889
11/11 [=====] - 0s 10ms/step - loss: 0.6779 - accuracy:
0.5747 - val_loss: 0.6701 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 41/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6628 - accuracy: 0.6250
Epoch 41: val_loss improved from 0.66889 to 0.66888, saving model to tmp/Weights-0
41--0.66888.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6786 - accuracy:
0.5661 - val_loss: 0.6689 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 42/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6433 - accuracy: 0.5312
Epoch 42: val_loss did not improve from 0.66888
11/11 [=====] - 0s 9ms/step - loss: 0.6766 - accuracy: 0.
5747 - val_loss: 0.6692 - val_accuracy: 0.5800 - lr: 0.0090
```

```
Epoch 43/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6635 - accuracy: 0.6875
Epoch 43: val_loss improved from 0.66888 to 0.66785, saving model to tmp/Weights-0
43--0.66785.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6770 - accuracy:
0.5862 - val_loss: 0.6679 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 44/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6321 - accuracy: 0.7500
Epoch 44: val_loss improved from 0.66785 to 0.66633, saving model to tmp/Weights-0
44--0.66633.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6755 - accuracy:
0.5374 - val_loss: 0.6663 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 45/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6042 - accuracy: 0.6562
Epoch 45: val_loss did not improve from 0.66633
11/11 [=====] - 0s 8ms/step - loss: 0.6755 - accuracy: 0.
5489 - val_loss: 0.6663 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 46/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6711 - accuracy: 0.5625
Epoch 46: val_loss did not improve from 0.66633
11/11 [=====] - 0s 8ms/step - loss: 0.6753 - accuracy: 0.
5460 - val_loss: 0.6680 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 47/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6670 - accuracy: 0.6562
Epoch 47: val_loss improved from 0.66633 to 0.66600, saving model to tmp/Weights-0
47--0.66600.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6765 - accuracy:
0.5661 - val_loss: 0.6660 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 48/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7452 - accuracy: 0.2812
Epoch 48: val_loss did not improve from 0.66600
11/11 [=====] - 0s 9ms/step - loss: 0.6756 - accuracy: 0.
5287 - val_loss: 0.6674 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 49/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7041 - accuracy: 0.4375
Epoch 49: val_loss improved from 0.66600 to 0.66541, saving model to tmp/Weights-0
49--0.66541.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6754 - accuracy:
0.5460 - val_loss: 0.6654 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 50/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7087 - accuracy: 0.4062
Epoch 50: val_loss did not improve from 0.66541
11/11 [=====] - 0s 9ms/step - loss: 0.6749 - accuracy: 0.
5517 - val_loss: 0.6675 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 51/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6978 - accuracy: 0.5000
Epoch 51: val_loss improved from 0.66541 to 0.66524, saving model to tmp/Weights-0
51--0.66524.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6732 - accuracy:
0.5517 - val_loss: 0.6652 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 52/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6739 - accuracy: 0.5000
Epoch 52: val_loss did not improve from 0.66524
11/11 [=====] - 0s 10ms/step - loss: 0.6751 - accuracy:
0.5517 - val_loss: 0.6665 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 53/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6736 - accuracy: 0.5312
Epoch 53: val_loss improved from 0.66524 to 0.66468, saving model to tmp/Weights-0
53--0.66468.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6748 - accuracy:
0.5575 - val_loss: 0.6647 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 54/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6404 - accuracy: 0.7188
Epoch 54: val_loss did not improve from 0.66468
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11/11 [=====] - 0s 8ms/step - loss: 0.6740 - accuracy: 0.5690 - val_loss: 0.6662 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 55/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7047 - accuracy: 0.5000
Epoch 55: val_loss did not improve from 0.66468
11/11 [=====] - 0s 8ms/step - loss: 0.6733 - accuracy: 0.5805 - val_loss: 0.6676 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 56/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6939 - accuracy: 0.5312
Epoch 56: val_loss improved from 0.66468 to 0.66460, saving model to tmp/Weights-056--0.66460.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6725 - accuracy: 0.5690 - val_loss: 0.6646 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 57/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6672 - accuracy: 0.5000
Epoch 57: val_loss improved from 0.66460 to 0.66348, saving model to tmp/Weights-057--0.66348.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6730 - accuracy: 0.5517 - val_loss: 0.6635 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 58/1000
11/11 [=====] - ETA: 0s - loss: 0.6717 - accuracy: 0.5833
Epoch 58: val_loss did not improve from 0.66348
11/11 [=====] - 0s 10ms/step - loss: 0.6717 - accuracy: 0.5833 - val_loss: 0.6649 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 59/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6737 - accuracy: 0.4688
Epoch 59: val_loss improved from 0.66348 to 0.66270, saving model to tmp/Weights-059--0.66270.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6726 - accuracy: 0.5402 - val_loss: 0.6627 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 60/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6904 - accuracy: 0.3750
Epoch 60: val_loss did not improve from 0.66270
11/11 [=====] - 0s 9ms/step - loss: 0.6695 - accuracy: 0.5345 - val_loss: 0.6632 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 61/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6808 - accuracy: 0.5312
Epoch 61: val_loss did not improve from 0.66270
11/11 [=====] - 0s 9ms/step - loss: 0.6701 - accuracy: 0.5718 - val_loss: 0.6648 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 62/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6720 - accuracy: 0.7188
Epoch 62: val_loss improved from 0.66270 to 0.66203, saving model to tmp/Weights-062--0.66203.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6693 - accuracy: 0.5603 - val_loss: 0.6620 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 63/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6699 - accuracy: 0.5188
Epoch 63: val_loss improved from 0.66203 to 0.66045, saving model to tmp/Weights-063--0.66045.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6683 - accuracy: 0.5259 - val_loss: 0.6605 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 64/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6715 - accuracy: 0.5312
Epoch 64: val_loss did not improve from 0.66045
11/11 [=====] - 0s 7ms/step - loss: 0.6674 - accuracy: 0.5287 - val_loss: 0.6612 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 65/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6712 - accuracy: 0.4375
Epoch 65: val_loss did not improve from 0.66045
11/11 [=====] - 0s 8ms/step - loss: 0.6662 - accuracy: 0.5546 - val_loss: 0.6605 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 66/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6904 - accuracy: 0.4688
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Epoch 66: val_loss did not improve from 0.66045
11/11 [=====] - 0s 8ms/step - loss: 0.6712 - accuracy: 0.
5402 - val_loss: 0.6612 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 67/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6213 - accuracy: 0.6875
Epoch 67: val_loss did not improve from 0.66045
11/11 [=====] - 0s 8ms/step - loss: 0.6664 - accuracy: 0.
5632 - val_loss: 0.6627 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 68/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6881 - accuracy: 0.5312
Epoch 68: val_loss improved from 0.66045 to 0.65992, saving model to tmp/Weights-0
68--0.65992.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6656 - accuracy: 0.
5891 - val_loss: 0.6599 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 69/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6870 - accuracy: 0.5000
Epoch 69: val_loss did not improve from 0.65992
11/11 [=====] - 0s 9ms/step - loss: 0.6681 - accuracy: 0.
5489 - val_loss: 0.6619 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 70/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6852 - accuracy: 0.4375
Epoch 70: val_loss did not improve from 0.65992
11/11 [=====] - 0s 8ms/step - loss: 0.6686 - accuracy: 0.
5603 - val_loss: 0.6621 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 71/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6822 - accuracy: 0.5000
Epoch 71: val_loss improved from 0.65992 to 0.65679, saving model to tmp/Weights-0
71--0.65679.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6665 - accuracy: 0.
5230 - val_loss: 0.6568 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 72/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6748 - accuracy: 0.5625
Epoch 72: val_loss did not improve from 0.65679
11/11 [=====] - 0s 8ms/step - loss: 0.6647 - accuracy: 0.
5747 - val_loss: 0.6621 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 73/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7169 - accuracy: 0.4375
Epoch 73: val_loss did not improve from 0.65679
11/11 [=====] - 0s 9ms/step - loss: 0.6648 - accuracy: 0.
5517 - val_loss: 0.6627 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 74/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6481 - accuracy: 0.5312
Epoch 74: val_loss did not improve from 0.65679
11/11 [=====] - 0s 10ms/step - loss: 0.6679 - accuracy: 0.
5431 - val_loss: 0.6588 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 75/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6854 - accuracy: 0.5625
Epoch 75: val_loss did not improve from 0.65679
11/11 [=====] - 0s 8ms/step - loss: 0.6639 - accuracy: 0.
5862 - val_loss: 0.6605 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 76/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6669 - accuracy: 0.5625
Epoch 76: val_loss did not improve from 0.65679
11/11 [=====] - 0s 9ms/step - loss: 0.6638 - accuracy: 0.
5431 - val_loss: 0.6571 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 77/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6782 - accuracy: 0.6250
Epoch 77: val_loss improved from 0.65679 to 0.65539, saving model to tmp/Weights-0
77--0.65539.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6620 - accuracy: 0.
5374 - val_loss: 0.6554 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 78/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6979 - accuracy: 0.3750
Epoch 78: val_loss did not improve from 0.65539
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11/11 [=====] - 0s 10ms/step - loss: 0.6617 - accuracy: 0.5517 - val_loss: 0.6555 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 79/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7071 - accuracy: 0.3750
Epoch 79: val_loss did not improve from 0.65539
11/11 [=====] - 0s 9ms/step - loss: 0.6609 - accuracy: 0.5632 - val_loss: 0.6554 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 80/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6486 - accuracy: 0.6562
Epoch 80: val_loss improved from 0.65539 to 0.65460, saving model to tmp/Weights-0
80--0.65460.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6597 - accuracy: 0.5489 - val_loss: 0.6546 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 81/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6554 - accuracy: 0.4375
Epoch 81: val_loss improved from 0.65460 to 0.65200, saving model to tmp/Weights-0
81--0.65200.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6604 - accuracy: 0.5316 - val_loss: 0.6520 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 82/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6572 - accuracy: 0.5531
Epoch 82: val_loss did not improve from 0.65200
11/11 [=====] - 0s 10ms/step - loss: 0.6615 - accuracy: 0.5402 - val_loss: 0.6618 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 83/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6452 - accuracy: 0.6250
Epoch 83: val_loss did not improve from 0.65200
11/11 [=====] - 0s 8ms/step - loss: 0.6618 - accuracy: 0.5718 - val_loss: 0.6601 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 84/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6786 - accuracy: 0.4375
Epoch 84: val_loss improved from 0.65200 to 0.65171, saving model to tmp/Weights-0
84--0.65171.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6593 - accuracy: 0.5632 - val_loss: 0.6517 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 85/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6391 - accuracy: 0.5000
Epoch 85: val_loss did not improve from 0.65171
11/11 [=====] - 0s 9ms/step - loss: 0.6585 - accuracy: 0.5489 - val_loss: 0.6533 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 86/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6532 - accuracy: 0.5312
Epoch 86: val_loss improved from 0.65171 to 0.64792, saving model to tmp/Weights-0
86--0.64792.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6563 - accuracy: 0.5402 - val_loss: 0.6479 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 87/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6367 - accuracy: 0.5312
Epoch 87: val_loss improved from 0.64792 to 0.64763, saving model to tmp/Weights-0
87--0.64763.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6547 - accuracy: 0.5402 - val_loss: 0.6476 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 88/1000
11/11 [=====] - ETA: 0s - loss: 0.6522 - accuracy: 0.5460
Epoch 88: val_loss improved from 0.64763 to 0.64305, saving model to tmp/Weights-0
88--0.64305.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6522 - accuracy: 0.5460 - val_loss: 0.6430 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 89/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6499 - accuracy: 0.6562
Epoch 89: val_loss did not improve from 0.64305
11/11 [=====] - 0s 9ms/step - loss: 0.6538 - accuracy: 0.5603 - val_loss: 0.6494 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 90/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5794 - accuracy: 0.7188
Epoch 90: val_loss improved from 0.64305 to 0.64224, saving model to tmp/Weights-0
90--0.64224.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6572 - accuracy:
0.5287 - val_loss: 0.6422 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 91/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6438 - accuracy: 0.6562
Epoch 91: val_loss did not improve from 0.64224
11/11 [=====] - 0s 9ms/step - loss: 0.6575 - accuracy: 0.
5345 - val_loss: 0.6521 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 92/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6648 - accuracy: 0.5938
Epoch 92: val_loss did not improve from 0.64224
11/11 [=====] - 0s 9ms/step - loss: 0.6538 - accuracy: 0.
5316 - val_loss: 0.6504 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 93/1000
11/11 [=====] - ETA: 0s - loss: 0.6582 - accuracy: 0.5862
Epoch 93: val_loss did not improve from 0.64224
11/11 [=====] - 0s 10ms/step - loss: 0.6582 - accuracy:
0.5862 - val_loss: 0.6479 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 94/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6453 - accuracy: 0.5000
Epoch 94: val_loss did not improve from 0.64224
11/11 [=====] - 0s 10ms/step - loss: 0.6626 - accuracy:
0.5230 - val_loss: 0.6459 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 95/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6591 - accuracy: 0.5312
Epoch 95: val_loss improved from 0.64224 to 0.63987, saving model to tmp/Weights-0
95--0.63987.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6524 - accuracy:
0.5402 - val_loss: 0.6399 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 96/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6489 - accuracy: 0.6875
Epoch 96: val_loss improved from 0.63987 to 0.63907, saving model to tmp/Weights-0
96--0.63907.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6488 - accuracy:
0.5690 - val_loss: 0.6391 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 97/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6680 - accuracy: 0.5000
Epoch 97: val_loss improved from 0.63907 to 0.63637, saving model to tmp/Weights-0
97--0.63637.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6454 - accuracy:
0.5575 - val_loss: 0.6364 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 98/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6714 - accuracy: 0.4688
Epoch 98: val_loss improved from 0.63637 to 0.63520, saving model to tmp/Weights-0
98--0.63520.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6443 - accuracy:
0.5460 - val_loss: 0.6352 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 99/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6054 - accuracy: 0.6250
Epoch 99: val_loss improved from 0.63520 to 0.63384, saving model to tmp/Weights-0
99--0.63384.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6466 - accuracy:
0.5690 - val_loss: 0.6338 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 100/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6765 - accuracy: 0.3750
Epoch 100: val_loss did not improve from 0.63384
11/11 [=====] - 0s 8ms/step - loss: 0.6459 - accuracy: 0.
5402 - val_loss: 0.6340 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 101/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6140 - accuracy: 0.5312
Epoch 101: val_loss improved from 0.63384 to 0.63071, saving model to tmp/Weights-
101--0.63071.hdf5
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11/11 [=====] - 0s 12ms/step - loss: 0.6427 - accuracy: 0.5632 - val_loss: 0.6307 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 102/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6255 - accuracy: 0.5625
Epoch 102: val_loss improved from 0.63071 to 0.62861, saving model to tmp/Weights-102--0.62861.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6439 - accuracy: 0.5316 - val_loss: 0.6286 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 103/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6463 - accuracy: 0.4688
Epoch 103: val_loss improved from 0.62861 to 0.62810, saving model to tmp/Weights-103--0.62810.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6418 - accuracy: 0.5575 - val_loss: 0.6281 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 104/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6342 - accuracy: 0.6250
Epoch 104: val_loss improved from 0.62810 to 0.62580, saving model to tmp/Weights-104--0.62580.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6412 - accuracy: 0.5517 - val_loss: 0.6258 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 105/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5726 - accuracy: 0.6250
Epoch 105: val_loss improved from 0.62580 to 0.62433, saving model to tmp/Weights-105--0.62433.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6383 - accuracy: 0.5345 - val_loss: 0.6243 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 106/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5744 - accuracy: 0.5625
Epoch 106: val_loss did not improve from 0.62433
11/11 [=====] - 0s 8ms/step - loss: 0.6429 - accuracy: 0.5632 - val_loss: 0.6296 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 107/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6300 - accuracy: 0.5938
Epoch 107: val_loss did not improve from 0.62433
11/11 [=====] - 0s 9ms/step - loss: 0.6442 - accuracy: 0.5431 - val_loss: 0.6256 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 108/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6023 - accuracy: 0.6562
Epoch 108: val_loss did not improve from 0.62433
11/11 [=====] - 0s 9ms/step - loss: 0.6384 - accuracy: 0.5805 - val_loss: 0.6248 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 109/1000
11/11 [=====] - ETA: 0s - loss: 0.6356 - accuracy: 0.5546
Epoch 109: val_loss improved from 0.62433 to 0.62284, saving model to tmp/Weights-109--0.62284.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6356 - accuracy: 0.5546 - val_loss: 0.6228 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 110/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6297 - accuracy: 0.5312
Epoch 110: val_loss improved from 0.62284 to 0.61811, saving model to tmp/Weights-110--0.61811.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6330 - accuracy: 0.5489 - val_loss: 0.6181 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 111/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6823 - accuracy: 0.5312
Epoch 111: val_loss did not improve from 0.61811
11/11 [=====] - 0s 9ms/step - loss: 0.6352 - accuracy: 0.5690 - val_loss: 0.6215 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 112/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6219 - accuracy: 0.6250
Epoch 112: val_loss improved from 0.61811 to 0.61643, saving model to tmp/Weights-112--0.61643.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6314 - accuracy: 0.5517 - val_loss: 0.6164 - val_accuracy: 0.5667 - lr: 0.0090
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Epoch 113/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6544 - accuracy: 0.5000
Epoch 113: val_loss did not improve from 0.61643
11/11 [=====] - 0s 9ms/step - loss: 0.6399 - accuracy: 0.
5632 - val_loss: 0.6292 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 114/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6727 - accuracy: 0.4688
Epoch 114: val_loss improved from 0.61643 to 0.61429, saving model to tmp/Weights-
114--0.61429.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6317 - accuracy:
0.5603 - val_loss: 0.6143 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 115/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6514 - accuracy: 0.4688
Epoch 115: val_loss did not improve from 0.61429
11/11 [=====] - 0s 9ms/step - loss: 0.6327 - accuracy: 0.
5546 - val_loss: 0.6196 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 116/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6345 - accuracy: 0.6250
Epoch 116: val_loss improved from 0.61429 to 0.61180, saving model to tmp/Weights-
116--0.61180.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6336 - accuracy:
0.5402 - val_loss: 0.6118 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 117/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6876 - accuracy: 0.3438
Epoch 117: val_loss did not improve from 0.61180
11/11 [=====] - 0s 9ms/step - loss: 0.6323 - accuracy: 0.
5287 - val_loss: 0.6125 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 118/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5852 - accuracy: 0.5938
Epoch 118: val_loss did not improve from 0.61180
11/11 [=====] - 0s 8ms/step - loss: 0.6308 - accuracy: 0.
5718 - val_loss: 0.6193 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 119/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5658 - accuracy: 0.7188
Epoch 119: val_loss did not improve from 0.61180
11/11 [=====] - 0s 13ms/step - loss: 0.6267 - accuracy:
0.5805 - val_loss: 0.6140 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 120/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6393 - accuracy: 0.6250
Epoch 120: val_loss improved from 0.61180 to 0.60820, saving model to tmp/Weights-
120--0.60820.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6262 - accuracy:
0.5632 - val_loss: 0.6082 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 121/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6137 - accuracy: 0.7500
Epoch 121: val_loss did not improve from 0.60820
11/11 [=====] - 0s 9ms/step - loss: 0.6236 - accuracy: 0.
5718 - val_loss: 0.6087 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 122/1000
11/11 [=====] - ETA: 0s - loss: 0.6234 - accuracy: 0.5632
Epoch 122: val_loss did not improve from 0.60820
11/11 [=====] - 0s 11ms/step - loss: 0.6234 - accuracy:
0.5632 - val_loss: 0.6118 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 123/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6481 - accuracy: 0.5312
Epoch 123: val_loss did not improve from 0.60820
11/11 [=====] - 0s 9ms/step - loss: 0.6267 - accuracy: 0.
5517 - val_loss: 0.6093 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 124/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5952 - accuracy: 0.6250
Epoch 124: val_loss improved from 0.60820 to 0.60663, saving model to tmp/Weights-
124--0.60663.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6228 - accuracy:
0.5776 - val_loss: 0.6066 - val_accuracy: 0.6000 - lr: 0.0090
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Epoch 125/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5734 - accuracy: 0.6562
Epoch 125: val_loss improved from 0.60663 to 0.60400, saving model to tmp/Weights-125--0.60400.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6217 - accuracy: 0.5776 - val_loss: 0.6040 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 126/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5907 - accuracy: 0.6250
Epoch 126: val_loss did not improve from 0.60400
11/11 [=====] - 0s 9ms/step - loss: 0.6259 - accuracy: 0.5747 - val_loss: 0.6163 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 127/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6507 - accuracy: 0.5938
Epoch 127: val_loss did not improve from 0.60400
11/11 [=====] - 0s 9ms/step - loss: 0.6235 - accuracy: 0.5776 - val_loss: 0.6040 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 128/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6523 - accuracy: 0.6250
Epoch 128: val_loss improved from 0.60400 to 0.60384, saving model to tmp/Weights-128--0.60384.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6243 - accuracy: 0.5747 - val_loss: 0.6038 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 129/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6265 - accuracy: 0.5437
Epoch 129: val_loss did not improve from 0.60384
11/11 [=====] - 0s 10ms/step - loss: 0.6212 - accuracy: 0.5431 - val_loss: 0.6066 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 130/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6112 - accuracy: 0.5938
Epoch 130: val_loss did not improve from 0.60384
11/11 [=====] - 0s 13ms/step - loss: 0.6208 - accuracy: 0.5833 - val_loss: 0.6048 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 131/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6671 - accuracy: 0.4375
Epoch 131: val_loss did not improve from 0.60384
11/11 [=====] - 0s 10ms/step - loss: 0.6190 - accuracy: 0.5316 - val_loss: 0.6056 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 132/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5955 - accuracy: 0.5625
Epoch 132: val_loss improved from 0.60384 to 0.59916, saving model to tmp/Weights-132--0.59916.hdf5
11/11 [=====] - 0s 17ms/step - loss: 0.6161 - accuracy: 0.5661 - val_loss: 0.5992 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 133/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6384 - accuracy: 0.6250
Epoch 133: val_loss did not improve from 0.59916
11/11 [=====] - 0s 8ms/step - loss: 0.6175 - accuracy: 0.5316 - val_loss: 0.6038 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 134/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6436 - accuracy: 0.5312
Epoch 134: val_loss did not improve from 0.59916
11/11 [=====] - 0s 9ms/step - loss: 0.6164 - accuracy: 0.5402 - val_loss: 0.5996 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 135/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5933 - accuracy: 0.5312
Epoch 135: val_loss did not improve from 0.59916
11/11 [=====] - 0s 9ms/step - loss: 0.6142 - accuracy: 0.5718 - val_loss: 0.6002 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 136/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6038 - accuracy: 0.5625
Epoch 136: val_loss did not improve from 0.59916
11/11 [=====] - 0s 9ms/step - loss: 0.6160 - accuracy: 0.5575 - val_loss: 0.6058 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 137/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5980 - accuracy: 0.5625
Epoch 137: val_loss improved from 0.59916 to 0.59785, saving model to tmp/Weights-137--0.59785.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6146 - accuracy: 0.5661 - val_loss: 0.5978 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 138/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6117 - accuracy: 0.5312
Epoch 138: val_loss did not improve from 0.59785
11/11 [=====] - 0s 9ms/step - loss: 0.6159 - accuracy: 0.5862 - val_loss: 0.6017 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 139/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6059 - accuracy: 0.6250
Epoch 139: val_loss improved from 0.59785 to 0.59543, saving model to tmp/Weights-139--0.59543.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6127 - accuracy: 0.5862 - val_loss: 0.5954 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 140/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5710 - accuracy: 0.6875
Epoch 140: val_loss did not improve from 0.59543
11/11 [=====] - 0s 10ms/step - loss: 0.6132 - accuracy: 0.5460 - val_loss: 0.6021 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 141/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5249 - accuracy: 0.5625
Epoch 141: val_loss did not improve from 0.59543
11/11 [=====] - 0s 9ms/step - loss: 0.6181 - accuracy: 0.5718 - val_loss: 0.6028 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 142/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5668 - accuracy: 0.4375
Epoch 142: val_loss did not improve from 0.59543
11/11 [=====] - 0s 9ms/step - loss: 0.6175 - accuracy: 0.5575 - val_loss: 0.6119 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 143/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5379 - accuracy: 0.6250
Epoch 143: val_loss did not improve from 0.59543
11/11 [=====] - 0s 8ms/step - loss: 0.6173 - accuracy: 0.5460 - val_loss: 0.6006 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 144/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5813 - accuracy: 0.5938
Epoch 144: val_loss did not improve from 0.59543
11/11 [=====] - 0s 9ms/step - loss: 0.6132 - accuracy: 0.5402 - val_loss: 0.6047 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 145/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5597 - accuracy: 0.5938
Epoch 145: val_loss improved from 0.59543 to 0.59218, saving model to tmp/Weights-145--0.59218.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6142 - accuracy: 0.5575 - val_loss: 0.5922 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 146/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6626 - accuracy: 0.3438
Epoch 146: val_loss did not improve from 0.59218
11/11 [=====] - 0s 10ms/step - loss: 0.6103 - accuracy: 0.5517 - val_loss: 0.5926 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 147/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5937 - accuracy: 0.5000
Epoch 147: val_loss did not improve from 0.59218
11/11 [=====] - 0s 9ms/step - loss: 0.6112 - accuracy: 0.5805 - val_loss: 0.5988 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 148/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6373 - accuracy: 0.5938
Epoch 148: val_loss improved from 0.59218 to 0.59190, saving model to tmp/Weights-148--0.59190.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6095 - accuracy: 0.5776 - val_loss: 0.5919 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 149/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5855 - accuracy: 0.6562
Epoch 149: val_loss did not improve from 0.59190
11/11 [=====] - 0s 10ms/step - loss: 0.6077 - accuracy: 0.5575 - val_loss: 0.5976 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 150/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5970 - accuracy: 0.6562
Epoch 150: val_loss did not improve from 0.59190
11/11 [=====] - 0s 9ms/step - loss: 0.6129 - accuracy: 0.5431 - val_loss: 0.5933 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 151/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5430 - accuracy: 0.5938
Epoch 151: val_loss did not improve from 0.59190
11/11 [=====] - 0s 9ms/step - loss: 0.6088 - accuracy: 0.5431 - val_loss: 0.5990 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 152/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6366 - accuracy: 0.5312
Epoch 152: val_loss did not improve from 0.59190
11/11 [=====] - 0s 9ms/step - loss: 0.6127 - accuracy: 0.5431 - val_loss: 0.5941 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 153/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6394 - accuracy: 0.3438
Epoch 153: val_loss did not improve from 0.59190
11/11 [=====] - 0s 9ms/step - loss: 0.6084 - accuracy: 0.5546 - val_loss: 0.5964 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 154/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6139 - accuracy: 0.6875
Epoch 154: val_loss did not improve from 0.59190
11/11 [=====] - 0s 9ms/step - loss: 0.6130 - accuracy: 0.5747 - val_loss: 0.5965 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 155/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6161 - accuracy: 0.5000
Epoch 155: val_loss did not improve from 0.59190
11/11 [=====] - 0s 9ms/step - loss: 0.6086 - accuracy: 0.5489 - val_loss: 0.6002 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 156/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6044 - accuracy: 0.5938
Epoch 156: val_loss did not improve from 0.59190
11/11 [=====] - 0s 9ms/step - loss: 0.6127 - accuracy: 0.5603 - val_loss: 0.6063 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 157/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6706 - accuracy: 0.5312
Epoch 157: val_loss did not improve from 0.59190
11/11 [=====] - 0s 9ms/step - loss: 0.6138 - accuracy: 0.5690 - val_loss: 0.6017 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 158/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5913 - accuracy: 0.7188
Epoch 158: val_loss improved from 0.59190 to 0.58991, saving model to tmp/Weights-158--0.58991.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6107 - accuracy: 0.5747 - val_loss: 0.5899 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 159/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6520 - accuracy: 0.4375
Epoch 159: val_loss improved from 0.58991 to 0.58822, saving model to tmp/Weights-159--0.58822.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6092 - accuracy: 0.5690 - val_loss: 0.5882 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 160/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5378 - accuracy: 0.5312
Epoch 160: val_loss did not improve from 0.58822
11/11 [=====] - 0s 9ms/step - loss: 0.6163 - accuracy: 0.5517 - val_loss: 0.6005 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 161/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5698 - accuracy: 0.5625
Epoch 161: val_loss did not improve from 0.58822
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11/11 [=====] - 0s 9ms/step - loss: 0.6098 - accuracy: 0.  
5517 - val_loss: 0.5977 - val_accuracy: 0.5733 - lr: 0.0090  
Epoch 162/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5767 - accuracy: 0.5938  
Epoch 162: val_loss did not improve from 0.58822  
11/11 [=====] - 0s 9ms/step - loss: 0.6066 - accuracy: 0.  
5460 - val_loss: 0.5894 - val_accuracy: 0.5867 - lr: 0.0090  
Epoch 163/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5501 - accuracy: 0.5625  
Epoch 163: val_loss improved from 0.58822 to 0.58547, saving model to tmp/Weights-  
163--0.58547.hdf5  
11/11 [=====] - 0s 11ms/step - loss: 0.6048 - accuracy:  
0.5489 - val_loss: 0.5855 - val_accuracy: 0.6000 - lr: 0.0090  
Epoch 164/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5781 - accuracy: 0.5625  
Epoch 164: val_loss did not improve from 0.58547  
11/11 [=====] - 0s 9ms/step - loss: 0.6054 - accuracy: 0.  
5374 - val_loss: 0.5950 - val_accuracy: 0.6000 - lr: 0.0090  
Epoch 165/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5854 - accuracy: 0.6250  
Epoch 165: val_loss did not improve from 0.58547  
11/11 [=====] - 0s 8ms/step - loss: 0.6093 - accuracy: 0.  
5402 - val_loss: 0.5901 - val_accuracy: 0.5800 - lr: 0.0090  
Epoch 166/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5964 - accuracy: 0.6250  
Epoch 166: val_loss did not improve from 0.58547  
11/11 [=====] - 0s 9ms/step - loss: 0.6074 - accuracy: 0.  
5603 - val_loss: 0.5884 - val_accuracy: 0.5867 - lr: 0.0090  
Epoch 167/1000  
11/11 [=====] - ETA: 0s - loss: 0.6044 - accuracy: 0.5489  
Epoch 167: val_loss did not improve from 0.58547  
11/11 [=====] - 0s 10ms/step - loss: 0.6044 - accuracy:  
0.5489 - val_loss: 0.5902 - val_accuracy: 0.5933 - lr: 0.0090  
Epoch 168/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6087 - accuracy: 0.4375  
Epoch 168: val_loss did not improve from 0.58547  
11/11 [=====] - 0s 11ms/step - loss: 0.6069 - accuracy:  
0.5431 - val_loss: 0.5907 - val_accuracy: 0.5867 - lr: 0.0090  
Epoch 169/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6458 - accuracy: 0.4688  
Epoch 169: val_loss did not improve from 0.58547  
11/11 [=====] - 0s 9ms/step - loss: 0.6034 - accuracy: 0.  
5374 - val_loss: 0.5927 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 170/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5638 - accuracy: 0.6250  
Epoch 170: val_loss did not improve from 0.58547  
11/11 [=====] - 0s 9ms/step - loss: 0.6097 - accuracy: 0.  
5402 - val_loss: 0.5960 - val_accuracy: 0.6000 - lr: 0.0090  
Epoch 171/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5538 - accuracy: 0.5938  
Epoch 171: val_loss did not improve from 0.58547  
11/11 [=====] - 0s 9ms/step - loss: 0.6074 - accuracy: 0.  
5316 - val_loss: 0.5872 - val_accuracy: 0.5933 - lr: 0.0090  
Epoch 172/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6627 - accuracy: 0.5312  
Epoch 172: val_loss improved from 0.58547 to 0.58427, saving model to tmp/Weights-  
172--0.58427.hdf5  
11/11 [=====] - 0s 11ms/step - loss: 0.6070 - accuracy:  
0.5517 - val_loss: 0.5843 - val_accuracy: 0.5867 - lr: 0.0090  
Epoch 173/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5977 - accuracy: 0.5312  
Epoch 173: val_loss did not improve from 0.58427  
11/11 [=====] - 0s 9ms/step - loss: 0.6050 - accuracy: 0.  
5603 - val_loss: 0.5879 - val_accuracy: 0.5867 - lr: 0.0090
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Epoch 174/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6288 - accuracy: 0.5000
Epoch 174: val_loss did not improve from 0.58427
11/11 [=====] - 0s 8ms/step - loss: 0.6036 - accuracy: 0.
5431 - val_loss: 0.5863 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 175/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6094 - accuracy: 0.6875
Epoch 175: val_loss did not improve from 0.58427
11/11 [=====] - 0s 9ms/step - loss: 0.6062 - accuracy: 0.
5603 - val_loss: 0.5902 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 176/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6472 - accuracy: 0.4375
Epoch 176: val_loss did not improve from 0.58427
11/11 [=====] - 0s 9ms/step - loss: 0.6054 - accuracy: 0.
5431 - val_loss: 0.5883 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 177/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6195 - accuracy: 0.5000
Epoch 177: val_loss improved from 0.58427 to 0.58214, saving model to tmp/Weights-177--0.58214.hdf5
11/11 [=====] - 0s 15ms/step - loss: 0.6019 - accuracy: 0.
5402 - val_loss: 0.5821 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 178/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5104 - accuracy: 0.7812
Epoch 178: val_loss did not improve from 0.58214
11/11 [=====] - 0s 9ms/step - loss: 0.6030 - accuracy: 0.
5374 - val_loss: 0.5843 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 179/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6081 - accuracy: 0.5625
Epoch 179: val_loss did not improve from 0.58214
11/11 [=====] - 0s 9ms/step - loss: 0.6012 - accuracy: 0.
5431 - val_loss: 0.5898 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 180/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5532 - accuracy: 0.5625
Epoch 180: val_loss did not improve from 0.58214
11/11 [=====] - 0s 9ms/step - loss: 0.6036 - accuracy: 0.
5632 - val_loss: 0.5883 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 181/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6338 - accuracy: 0.4688
Epoch 181: val_loss did not improve from 0.58214
11/11 [=====] - 0s 9ms/step - loss: 0.6023 - accuracy: 0.
5718 - val_loss: 0.5915 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 182/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5929 - accuracy: 0.5938
Epoch 182: val_loss did not improve from 0.58214
11/11 [=====] - 0s 9ms/step - loss: 0.6139 - accuracy: 0.
5489 - val_loss: 0.5982 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 183/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6348 - accuracy: 0.4688
Epoch 183: val_loss did not improve from 0.58214
11/11 [=====] - 0s 9ms/step - loss: 0.6099 - accuracy: 0.
5172 - val_loss: 0.5858 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 184/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6078 - accuracy: 0.5938
Epoch 184: val_loss did not improve from 0.58214
11/11 [=====] - 0s 9ms/step - loss: 0.6015 - accuracy: 0.
5402 - val_loss: 0.5821 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 185/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5519 - accuracy: 0.6250
Epoch 185: val_loss improved from 0.58214 to 0.58002, saving model to tmp/Weights-185--0.58002.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5998 - accuracy: 0.
5431 - val_loss: 0.5800 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 186/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6170 - accuracy: 0.5625
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Epoch 186: val_loss did not improve from 0.58002
11/11 [=====] - 0s 8ms/step - loss: 0.6023 - accuracy: 0.
5690 - val_loss: 0.5807 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 187/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5837 - accuracy: 0.5312
Epoch 187: val_loss did not improve from 0.58002
11/11 [=====] - 0s 8ms/step - loss: 0.6004 - accuracy: 0.
5460 - val_loss: 0.5801 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 188/1000
9/11 [=====>....] - ETA: 0s - loss: 0.5979 - accuracy: 0.5556
Epoch 188: val_loss did not improve from 0.58002
11/11 [=====] - 0s 11ms/step - loss: 0.5974 - accuracy:
0.5402 - val_loss: 0.5802 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 189/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5786 - accuracy: 0.5312
Epoch 189: val_loss did not improve from 0.58002
11/11 [=====] - 0s 8ms/step - loss: 0.6031 - accuracy: 0.
5460 - val_loss: 0.5824 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 190/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5981 - accuracy: 0.5938
Epoch 190: val_loss improved from 0.58002 to 0.57789, saving model to tmp/Weights-
190--0.57789.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6018 - accuracy:
0.5546 - val_loss: 0.5779 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 191/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6454 - accuracy: 0.3750
Epoch 191: val_loss did not improve from 0.57789
11/11 [=====] - 0s 9ms/step - loss: 0.5979 - accuracy: 0.
5431 - val_loss: 0.5908 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 192/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5086 - accuracy: 0.8125
Epoch 192: val_loss did not improve from 0.57789
11/11 [=====] - 0s 9ms/step - loss: 0.6030 - accuracy: 0.
5460 - val_loss: 0.5871 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 193/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6430 - accuracy: 0.5625
Epoch 193: val_loss did not improve from 0.57789
11/11 [=====] - 0s 8ms/step - loss: 0.6045 - accuracy: 0.
5517 - val_loss: 0.5852 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 194/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5937 - accuracy: 0.5625
Epoch 194: val_loss did not improve from 0.57789
11/11 [=====] - 0s 10ms/step - loss: 0.5997 - accuracy:
0.5517 - val_loss: 0.5828 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 195/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6333 - accuracy: 0.5000
Epoch 195: val_loss improved from 0.57789 to 0.57542, saving model to tmp/Weights-
195--0.57542.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6001 - accuracy:
0.5374 - val_loss: 0.5754 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 196/1000
11/11 [=====] - ETA: 0s - loss: 0.6001 - accuracy: 0.5489
Epoch 196: val_loss did not improve from 0.57542
11/11 [=====] - 0s 10ms/step - loss: 0.6001 - accuracy:
0.5489 - val_loss: 0.5819 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 197/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6295 - accuracy: 0.5000
Epoch 197: val_loss did not improve from 0.57542
11/11 [=====] - 0s 9ms/step - loss: 0.6013 - accuracy: 0.
5402 - val_loss: 0.5809 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 198/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6030 - accuracy: 0.5625
Epoch 198: val_loss did not improve from 0.57542
11/11 [=====] - 0s 9ms/step - loss: 0.5992 - accuracy: 0.
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5374 - val_loss: 0.5827 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 199/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5956 - accuracy: 0.3750
Epoch 199: val_loss did not improve from 0.57542
11/11 [=====] - 0s 9ms/step - loss: 0.5995 - accuracy: 0.
5287 - val_loss: 0.5810 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 200/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5884 - accuracy: 0.5938
Epoch 200: val_loss did not improve from 0.57542
11/11 [=====] - 0s 9ms/step - loss: 0.6032 - accuracy: 0.
5460 - val_loss: 0.5865 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 201/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5856 - accuracy: 0.5938
Epoch 201: val_loss did not improve from 0.57542
11/11 [=====] - 0s 9ms/step - loss: 0.6079 - accuracy: 0.
5345 - val_loss: 0.5837 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 202/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6014 - accuracy: 0.5625
Epoch 202: val_loss did not improve from 0.57542
11/11 [=====] - 0s 8ms/step - loss: 0.6146 - accuracy: 0.
5718 - val_loss: 0.6026 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 203/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6501 - accuracy: 0.5312
Epoch 203: val_loss did not improve from 0.57542
11/11 [=====] - 0s 9ms/step - loss: 0.6119 - accuracy: 0.
5316 - val_loss: 0.5839 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 204/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6228 - accuracy: 0.4688
Epoch 204: val_loss improved from 0.57542 to 0.57531, saving model to tmp/Weights-
204--0.57531.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6084 - accuracy:
0.5402 - val_loss: 0.5753 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 205/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6483 - accuracy: 0.6562
Epoch 205: val_loss did not improve from 0.57531
11/11 [=====] - 0s 9ms/step - loss: 0.6100 - accuracy: 0.
5431 - val_loss: 0.5812 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 206/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5246 - accuracy: 0.6562
Epoch 206: val_loss did not improve from 0.57531
11/11 [=====] - 0s 8ms/step - loss: 0.6080 - accuracy: 0.
5316 - val_loss: 0.5951 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 207/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6213 - accuracy: 0.5625
Epoch 207: val_loss did not improve from 0.57531
11/11 [=====] - 0s 9ms/step - loss: 0.6328 - accuracy: 0.
5316 - val_loss: 0.6363 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 208/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7419 - accuracy: 0.5000
Epoch 208: val_loss did not improve from 0.57531
11/11 [=====] - 0s 8ms/step - loss: 0.6180 - accuracy: 0.
5603 - val_loss: 0.5925 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 209/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6070 - accuracy: 0.5625
Epoch 209: val_loss improved from 0.57531 to 0.57394, saving model to tmp/Weights-
209--0.57394.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6121 - accuracy:
0.5603 - val_loss: 0.5739 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 210/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6398 - accuracy: 0.6250
Epoch 210: val_loss did not improve from 0.57394
11/11 [=====] - 0s 9ms/step - loss: 0.6109 - accuracy: 0.
5546 - val_loss: 0.6006 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 211/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5450 - accuracy: 0.6562
Epoch 211: val_loss did not improve from 0.57394
11/11 [=====] - 0s 9ms/step - loss: 0.6217 - accuracy: 0.
5402 - val_loss: 0.6103 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 212/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6155 - accuracy: 0.6875
Epoch 212: val_loss did not improve from 0.57394
11/11 [=====] - 0s 8ms/step - loss: 0.6108 - accuracy: 0.
5661 - val_loss: 0.5887 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 213/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6372 - accuracy: 0.4688
Epoch 213: val_loss did not improve from 0.57394
11/11 [=====] - 0s 9ms/step - loss: 0.6078 - accuracy: 0.
5833 - val_loss: 0.5845 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 214/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5598 - accuracy: 0.6250
Epoch 214: val_loss improved from 0.57394 to 0.57134, saving model to tmp/Weights-
214--0.57134.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5996 - accuracy:
0.5977 - val_loss: 0.5713 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 215/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5810 - accuracy: 0.6875
Epoch 215: val_loss did not improve from 0.57134
11/11 [=====] - 0s 9ms/step - loss: 0.6045 - accuracy: 0.
6006 - val_loss: 0.5921 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 216/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6828 - accuracy: 0.5625
Epoch 216: val_loss did not improve from 0.57134
11/11 [=====] - 0s 9ms/step - loss: 0.6100 - accuracy: 0.
5632 - val_loss: 0.5896 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 217/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6173 - accuracy: 0.4688
Epoch 217: val_loss did not improve from 0.57134
11/11 [=====] - 0s 10ms/step - loss: 0.6021 - accuracy:
0.5661 - val_loss: 0.5780 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 218/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6039 - accuracy: 0.5000
Epoch 218: val_loss did not improve from 0.57134
11/11 [=====] - 0s 9ms/step - loss: 0.5984 - accuracy: 0.
5891 - val_loss: 0.5812 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 219/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6519 - accuracy: 0.4688
Epoch 219: val_loss did not improve from 0.57134
11/11 [=====] - 0s 9ms/step - loss: 0.5969 - accuracy: 0.
5747 - val_loss: 0.5739 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 220/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6024 - accuracy: 0.6250
Epoch 220: val_loss did not improve from 0.57134
11/11 [=====] - 0s 9ms/step - loss: 0.5935 - accuracy: 0.
5891 - val_loss: 0.5732 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 221/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5802 - accuracy: 0.5000
Epoch 221: val_loss did not improve from 0.57134
11/11 [=====] - 0s 9ms/step - loss: 0.5939 - accuracy: 0.
5805 - val_loss: 0.5723 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 222/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5942 - accuracy: 0.4688
Epoch 222: val_loss did not improve from 0.57134
11/11 [=====] - 0s 9ms/step - loss: 0.5929 - accuracy: 0.
5805 - val_loss: 0.5752 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 223/1000
11/11 [=====] - ETA: 0s - loss: 0.5923 - accuracy: 0.5920
Epoch 223: val_loss did not improve from 0.57134
11/11 [=====] - 0s 10ms/step - loss: 0.5923 - accuracy:
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0.5920 - val_loss: 0.5762 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 224/1000
11/11 [=====] - ETA: 0s - loss: 0.5943 - accuracy: 0.5747
Epoch 224: val_loss did not improve from 0.57134
11/11 [=====] - 0s 10ms/step - loss: 0.5943 - accuracy: 0.5747
val_loss: 0.5758 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 225/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6574 - accuracy: 0.5625
Epoch 225: val_loss did not improve from 0.57134
11/11 [=====] - 0s 9ms/step - loss: 0.5943 - accuracy: 0.5862
val_loss: 0.5746 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 226/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6193 - accuracy: 0.5625
Epoch 226: val_loss did not improve from 0.57134
11/11 [=====] - 0s 9ms/step - loss: 0.5962 - accuracy: 0.5862
val_loss: 0.5781 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 227/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5694 - accuracy: 0.6250
Epoch 227: val_loss did not improve from 0.57134
11/11 [=====] - 0s 9ms/step - loss: 0.5984 - accuracy: 0.5805
val_loss: 0.5797 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 228/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5634 - accuracy: 0.6875
Epoch 228: val_loss did not improve from 0.57134
11/11 [=====] - 0s 9ms/step - loss: 0.5954 - accuracy: 0.5862
val_loss: 0.5792 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 229/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6408 - accuracy: 0.5625
Epoch 229: val_loss did not improve from 0.57134
11/11 [=====] - 0s 9ms/step - loss: 0.5966 - accuracy: 0.5747
val_loss: 0.5810 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 230/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5719 - accuracy: 0.7188
Epoch 230: val_loss did not improve from 0.57134
11/11 [=====] - 0s 9ms/step - loss: 0.5989 - accuracy: 0.5891
val_loss: 0.5847 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 231/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6757 - accuracy: 0.4062
Epoch 231: val_loss did not improve from 0.57134
11/11 [=====] - 0s 8ms/step - loss: 0.6077 - accuracy: 0.5747
val_loss: 0.5824 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 232/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6682 - accuracy: 0.4375
Epoch 232: val_loss did not improve from 0.57134
11/11 [=====] - 0s 10ms/step - loss: 0.5941 - accuracy: 0.5891
val_loss: 0.5769 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 233/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5713 - accuracy: 0.6250
Epoch 233: val_loss did not improve from 0.57134
11/11 [=====] - 0s 10ms/step - loss: 0.5983 - accuracy: 0.5747
val_loss: 0.5808 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 234/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5612 - accuracy: 0.5000
Epoch 234: val_loss did not improve from 0.57134
11/11 [=====] - 0s 9ms/step - loss: 0.5986 - accuracy: 0.5862
val_loss: 0.5761 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 235/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5336 - accuracy: 0.6250
Epoch 235: val_loss did not improve from 0.57134
11/11 [=====] - 0s 10ms/step - loss: 0.5937 - accuracy: 0.5776
val_loss: 0.5776 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 236/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6207 - accuracy: 0.5000
Epoch 236: val_loss did not improve from 0.57134
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11/11 [=====] - 0s 9ms/step - loss: 0.5947 - accuracy: 0.  
5891 - val_loss: 0.5763 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 237/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5904 - accuracy: 0.4688  
Epoch 237: val_loss did not improve from 0.57134  
11/11 [=====] - 0s 9ms/step - loss: 0.5907 - accuracy: 0.  
5776 - val_loss: 0.5715 - val_accuracy: 0.6200 - lr: 0.0090  
Epoch 238/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5656 - accuracy: 0.5938  
Epoch 238: val_loss did not improve from 0.57134  
11/11 [=====] - 0s 9ms/step - loss: 0.5922 - accuracy: 0.  
5833 - val_loss: 0.5724 - val_accuracy: 0.6267 - lr: 0.0090  
Epoch 239/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5971 - accuracy: 0.6562  
Epoch 239: val_loss did not improve from 0.57134  
11/11 [=====] - 0s 9ms/step - loss: 0.5903 - accuracy: 0.  
5862 - val_loss: 0.5734 - val_accuracy: 0.6200 - lr: 0.0090  
Epoch 240/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6669 - accuracy: 0.6250  
Epoch 240: val_loss did not improve from 0.57134  
11/11 [=====] - 0s 8ms/step - loss: 0.5928 - accuracy: 0.  
5833 - val_loss: 0.5721 - val_accuracy: 0.6267 - lr: 0.0090  
Epoch 241/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6436 - accuracy: 0.5312  
Epoch 241: val_loss did not improve from 0.57134  
11/11 [=====] - 0s 9ms/step - loss: 0.5923 - accuracy: 0.  
5805 - val_loss: 0.5748 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 242/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5521 - accuracy: 0.6250  
Epoch 242: val_loss did not improve from 0.57134  
11/11 [=====] - 0s 9ms/step - loss: 0.5900 - accuracy: 0.  
5920 - val_loss: 0.5756 - val_accuracy: 0.6000 - lr: 0.0090  
Epoch 243/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6090 - accuracy: 0.5625  
Epoch 243: val_loss did not improve from 0.57134  
11/11 [=====] - 0s 9ms/step - loss: 0.5918 - accuracy: 0.  
5862 - val_loss: 0.5750 - val_accuracy: 0.6267 - lr: 0.0090  
Epoch 244/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5552 - accuracy: 0.7812  
Epoch 244: val_loss did not improve from 0.57134  
11/11 [=====] - 0s 9ms/step - loss: 0.5923 - accuracy: 0.  
5833 - val_loss: 0.5729 - val_accuracy: 0.6200 - lr: 0.0090  
Epoch 245/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5604 - accuracy: 0.5938  
Epoch 245: val_loss did not improve from 0.57134  
11/11 [=====] - 0s 9ms/step - loss: 0.5947 - accuracy: 0.  
5776 - val_loss: 0.5795 - val_accuracy: 0.6267 - lr: 0.0090  
Epoch 246/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5737 - accuracy: 0.6875  
Epoch 246: val_loss improved from 0.57134 to 0.57109, saving model to tmp/Weights-  
246--0.57109.hdf5  
11/11 [=====] - 0s 11ms/step - loss: 0.5936 - accuracy:  
0.5833 - val_loss: 0.5711 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 247/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6014 - accuracy: 0.5000  
Epoch 247: val_loss did not improve from 0.57109  
11/11 [=====] - 0s 9ms/step - loss: 0.5913 - accuracy: 0.  
5862 - val_loss: 0.5783 - val_accuracy: 0.6000 - lr: 0.0090  
Epoch 248/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6089 - accuracy: 0.6562  
Epoch 248: val_loss did not improve from 0.57109  
11/11 [=====] - 0s 10ms/step - loss: 0.5969 - accuracy:  
0.5776 - val_loss: 0.5755 - val_accuracy: 0.6200 - lr: 0.0090  
Epoch 249/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6471 - accuracy: 0.5000
Epoch 249: val_loss did not improve from 0.57109
11/11 [=====] - 0s 10ms/step - loss: 0.5972 - accuracy: 0.5747 - val_loss: 0.5782 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 250/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5882 - accuracy: 0.7188
Epoch 250: val_loss did not improve from 0.57109
11/11 [=====] - 0s 8ms/step - loss: 0.5922 - accuracy: 0.5891 - val_loss: 0.5756 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 251/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6545 - accuracy: 0.5938
Epoch 251: val_loss did not improve from 0.57109
11/11 [=====] - 0s 8ms/step - loss: 0.5915 - accuracy: 0.5805 - val_loss: 0.5744 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 252/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5838 - accuracy: 0.5312
Epoch 252: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5948 - accuracy: 0.5833 - val_loss: 0.5767 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 253/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5883 - accuracy: 0.5625
Epoch 253: val_loss did not improve from 0.57109
11/11 [=====] - 0s 11ms/step - loss: 0.6033 - accuracy: 0.5316 - val_loss: 0.5965 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 254/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5841 - accuracy: 0.6250
Epoch 254: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5965 - accuracy: 0.5603 - val_loss: 0.5721 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 255/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5258 - accuracy: 0.5938
Epoch 255: val_loss did not improve from 0.57109
11/11 [=====] - 0s 8ms/step - loss: 0.5966 - accuracy: 0.5862 - val_loss: 0.5733 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 256/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6097 - accuracy: 0.5625
Epoch 256: val_loss did not improve from 0.57109
11/11 [=====] - 0s 8ms/step - loss: 0.5977 - accuracy: 0.5805 - val_loss: 0.5845 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 257/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5238 - accuracy: 0.5312
Epoch 257: val_loss did not improve from 0.57109
11/11 [=====] - 0s 8ms/step - loss: 0.5952 - accuracy: 0.5718 - val_loss: 0.5800 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 258/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6502 - accuracy: 0.6250
Epoch 258: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5904 - accuracy: 0.5805 - val_loss: 0.5719 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 259/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5922 - accuracy: 0.5000
Epoch 259: val_loss did not improve from 0.57109
11/11 [=====] - 0s 10ms/step - loss: 0.5895 - accuracy: 0.5776 - val_loss: 0.5781 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 260/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5280 - accuracy: 0.7500
Epoch 260: val_loss did not improve from 0.57109
11/11 [=====] - 0s 8ms/step - loss: 0.5902 - accuracy: 0.5747 - val_loss: 0.5749 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 261/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6319 - accuracy: 0.5625
Epoch 261: val_loss did not improve from 0.57109
11/11 [=====] - 0s 8ms/step - loss: 0.5893 - accuracy: 0.5517 - val_loss: 0.5792 - val_accuracy: 0.6200 - lr: 0.0090
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Epoch 262/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6823 - accuracy: 0.4688
Epoch 262: val_loss did not improve from 0.57109
11/11 [=====] - 0s 8ms/step - loss: 0.5896 - accuracy: 0.
5661 - val_loss: 0.5748 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 263/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6561 - accuracy: 0.3750
Epoch 263: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5938 - accuracy: 0.
5632 - val_loss: 0.5833 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 264/1000
11/11 [=====] - ETA: 0s - loss: 0.5909 - accuracy: 0.5431
Epoch 264: val_loss did not improve from 0.57109
11/11 [=====] - 0s 10ms/step - loss: 0.5909 - accuracy:
0.5431 - val_loss: 0.5745 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 265/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6483 - accuracy: 0.5625
Epoch 265: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5876 - accuracy: 0.
5891 - val_loss: 0.5756 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 266/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5833 - accuracy: 0.6562
Epoch 266: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5905 - accuracy: 0.
5632 - val_loss: 0.5812 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 267/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4566 - accuracy: 0.6875
Epoch 267: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5931 - accuracy: 0.
5805 - val_loss: 0.5806 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 268/1000
11/11 [=====] - ETA: 0s - loss: 0.5890 - accuracy: 0.5460
Epoch 268: val_loss did not improve from 0.57109
11/11 [=====] - 0s 10ms/step - loss: 0.5890 - accuracy:
0.5460 - val_loss: 0.5804 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 269/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5524 - accuracy: 0.7188
Epoch 269: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5896 - accuracy: 0.
5632 - val_loss: 0.5760 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 270/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4763 - accuracy: 0.5938
Epoch 270: val_loss did not improve from 0.57109
11/11 [=====] - 0s 10ms/step - loss: 0.5894 - accuracy:
0.5948 - val_loss: 0.5768 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 271/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6172 - accuracy: 0.5312
Epoch 271: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5926 - accuracy: 0.
5805 - val_loss: 0.5836 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 272/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6104 - accuracy: 0.5312
Epoch 272: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5881 - accuracy: 0.
5690 - val_loss: 0.5743 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 273/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5743 - accuracy: 0.5938
Epoch 273: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5874 - accuracy: 0.
5948 - val_loss: 0.5736 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 274/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6710 - accuracy: 0.6562
Epoch 274: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5882 - accuracy: 0.
```

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5805 - val_loss: 0.5735 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 275/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5258 - accuracy: 0.6562
Epoch 275: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5866 - accuracy: 0.
6006 - val_loss: 0.5815 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 276/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6056 - accuracy: 0.5938
Epoch 276: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5894 - accuracy: 0.
5833 - val_loss: 0.5763 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 277/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5629 - accuracy: 0.6875
Epoch 277: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5886 - accuracy: 0.
5977 - val_loss: 0.5845 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 278/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6377 - accuracy: 0.4375
Epoch 278: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5906 - accuracy: 0.
5718 - val_loss: 0.5795 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 279/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6663 - accuracy: 0.5625
Epoch 279: val_loss did not improve from 0.57109
11/11 [=====] - 0s 8ms/step - loss: 0.5879 - accuracy: 0.
6063 - val_loss: 0.5805 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 280/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6409 - accuracy: 0.5938
Epoch 280: val_loss did not improve from 0.57109
11/11 [=====] - 0s 8ms/step - loss: 0.5888 - accuracy: 0.
5891 - val_loss: 0.5826 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 281/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5990 - accuracy: 0.4375
Epoch 281: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5856 - accuracy: 0.
5862 - val_loss: 0.5790 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 282/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5210 - accuracy: 0.6875
Epoch 282: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5881 - accuracy: 0.
5776 - val_loss: 0.5827 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 283/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5615 - accuracy: 0.5312
Epoch 283: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5898 - accuracy: 0.
5862 - val_loss: 0.5866 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 284/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5004 - accuracy: 0.8125
Epoch 284: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5924 - accuracy: 0.
6006 - val_loss: 0.5854 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 285/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6615 - accuracy: 0.6250
Epoch 285: val_loss did not improve from 0.57109
11/11 [=====] - 0s 8ms/step - loss: 0.5865 - accuracy: 0.
5517 - val_loss: 0.5796 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 286/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5964 - accuracy: 0.5625
Epoch 286: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5837 - accuracy: 0.
5833 - val_loss: 0.5788 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 287/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6033 - accuracy: 0.5312
Epoch 287: val_loss did not improve from 0.57109
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11/11 [=====] - 0s 10ms/step - loss: 0.5874 - accuracy: 0.6092 - val_loss: 0.5807 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 288/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6164 - accuracy: 0.6250
Epoch 288: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5873 - accuracy: 0.6034 - val_loss: 0.5848 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 289/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5473 - accuracy: 0.6562
Epoch 289: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5892 - accuracy: 0.5632 - val_loss: 0.5798 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 290/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6471 - accuracy: 0.6250
Epoch 290: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5905 - accuracy: 0.6178 - val_loss: 0.5833 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 291/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6185 - accuracy: 0.7812
Epoch 291: val_loss did not improve from 0.57109
11/11 [=====] - 0s 10ms/step - loss: 0.5863 - accuracy: 0.6006 - val_loss: 0.5827 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 292/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6271 - accuracy: 0.4688
Epoch 292: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5850 - accuracy: 0.5833 - val_loss: 0.5774 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 293/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5162 - accuracy: 0.6875
Epoch 293: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5868 - accuracy: 0.5718 - val_loss: 0.5821 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 294/1000
11/11 [=====] - 0s 10ms/step - loss: 0.5870 - accuracy: 0.5977
Epoch 294: val_loss did not improve from 0.57109
11/11 [=====] - 0s 10ms/step - loss: 0.5870 - accuracy: 0.5977 - val_loss: 0.5773 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 295/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5951 - accuracy: 0.5938
Epoch 295: val_loss did not improve from 0.57109
11/11 [=====] - 0s 8ms/step - loss: 0.5861 - accuracy: 0.6149 - val_loss: 0.5830 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 296/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6091 - accuracy: 0.4375
Epoch 296: val_loss did not improve from 0.57109

Epoch 296: ReduceLROnPlateau reducing learning rate to 0.006299999728798866.
11/11 [=====] - 0s 9ms/step - loss: 0.5884 - accuracy: 0.5747 - val_loss: 0.5886 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 297/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6067 - accuracy: 0.5625
Epoch 297: val_loss did not improve from 0.57109
11/11 [=====] - 0s 10ms/step - loss: 0.5866 - accuracy: 0.5805 - val_loss: 0.5813 - val_accuracy: 0.5733 - lr: 0.0063
Epoch 298/1000
10/11 [======>...] - ETA: 0s - loss: 0.5878 - accuracy: 0.6000
Epoch 298: val_loss did not improve from 0.57109
11/11 [=====] - 0s 11ms/step - loss: 0.5849 - accuracy: 0.6034 - val_loss: 0.5790 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 299/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5501 - accuracy: 0.6562
Epoch 299: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5829 - accuracy: 0.6121 - val_loss: 0.5777 - val_accuracy: 0.5733 - lr: 0.0063
```

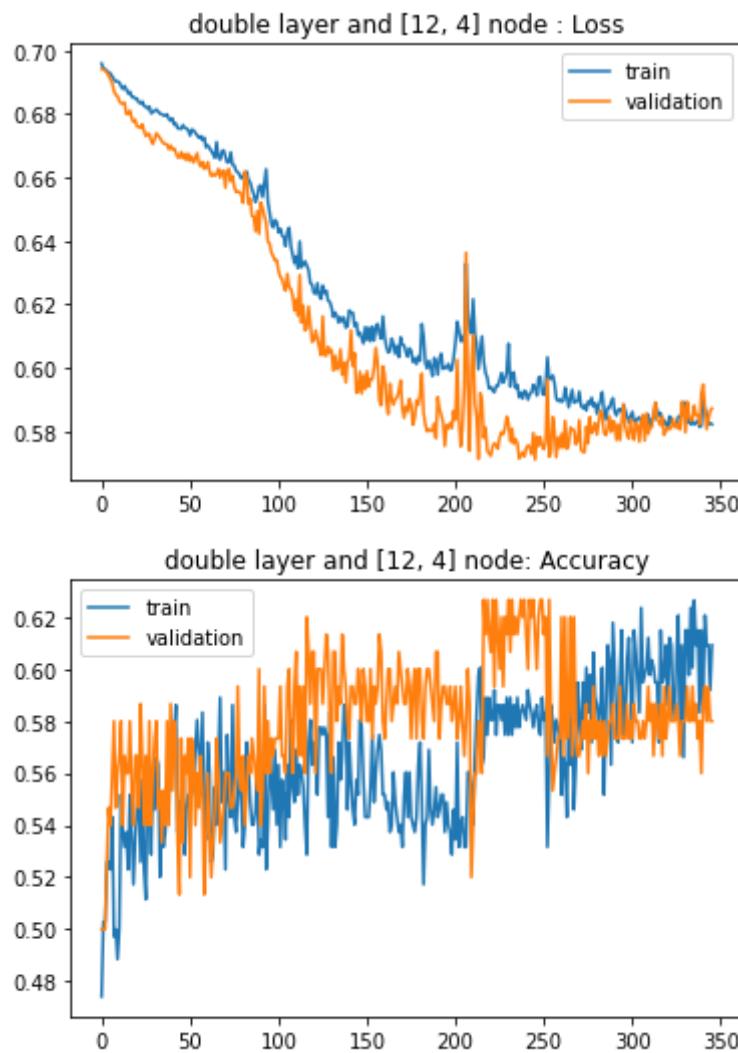
```
Epoch 300/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5400 - accuracy: 0.5938
Epoch 300: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5846 - accuracy: 0.
5920 - val_loss: 0.5838 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 301/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5507 - accuracy: 0.7812
Epoch 301: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5862 - accuracy: 0.
5718 - val_loss: 0.5800 - val_accuracy: 0.5733 - lr: 0.0063
Epoch 302/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6153 - accuracy: 0.5312
Epoch 302: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5831 - accuracy: 0.
6149 - val_loss: 0.5773 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 303/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6228 - accuracy: 0.5000
Epoch 303: val_loss did not improve from 0.57109
11/11 [=====] - 0s 14ms/step - loss: 0.5833 - accuracy:
0.6063 - val_loss: 0.5829 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 304/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5206 - accuracy: 0.7188
Epoch 304: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5840 - accuracy: 0.
5948 - val_loss: 0.5818 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 305/1000
11/11 [=====] - ETA: 0s - loss: 0.5844 - accuracy: 0.5833
Epoch 305: val_loss did not improve from 0.57109
11/11 [=====] - 0s 10ms/step - loss: 0.5844 - accuracy:
0.5833 - val_loss: 0.5767 - val_accuracy: 0.5733 - lr: 0.0063
Epoch 306/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6336 - accuracy: 0.5000
Epoch 306: val_loss did not improve from 0.57109
11/11 [=====] - 0s 10ms/step - loss: 0.5826 - accuracy:
0.6236 - val_loss: 0.5830 - val_accuracy: 0.5733 - lr: 0.0063
Epoch 307/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5160 - accuracy: 0.6875
Epoch 307: val_loss did not improve from 0.57109
11/11 [=====] - 0s 13ms/step - loss: 0.5837 - accuracy:
0.5948 - val_loss: 0.5852 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 308/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6168 - accuracy: 0.5000
Epoch 308: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5836 - accuracy: 0.
5977 - val_loss: 0.5771 - val_accuracy: 0.5733 - lr: 0.0063
Epoch 309/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5760 - accuracy: 0.6875
Epoch 309: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5846 - accuracy: 0.
6006 - val_loss: 0.5857 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 310/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5280 - accuracy: 0.6562
Epoch 310: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5853 - accuracy: 0.
6121 - val_loss: 0.5793 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 311/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6246 - accuracy: 0.4375
Epoch 311: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5820 - accuracy: 0.
5977 - val_loss: 0.5813 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 312/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5688 - accuracy: 0.6250
Epoch 312: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5837 - accuracy: 0.
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6034 - val_loss: 0.5813 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 313/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5967 - accuracy: 0.6562
Epoch 313: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5836 - accuracy: 0.
6006 - val_loss: 0.5856 - val_accuracy: 0.5667 - lr: 0.0063
Epoch 314/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5520 - accuracy: 0.7188
Epoch 314: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5890 - accuracy: 0.
5948 - val_loss: 0.5891 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 315/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6170 - accuracy: 0.6250
Epoch 315: val_loss did not improve from 0.57109
11/11 [=====] - 0s 10ms/step - loss: 0.5867 - accuracy:
0.5948 - val_loss: 0.5838 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 316/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5512 - accuracy: 0.5938
Epoch 316: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5849 - accuracy: 0.
5718 - val_loss: 0.5831 - val_accuracy: 0.5733 - lr: 0.0063
Epoch 317/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5614 - accuracy: 0.4375
Epoch 317: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5858 - accuracy: 0.
6149 - val_loss: 0.5819 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 318/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5702 - accuracy: 0.6562
Epoch 318: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5820 - accuracy: 0.
5948 - val_loss: 0.5847 - val_accuracy: 0.5667 - lr: 0.0063
Epoch 319/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4599 - accuracy: 0.6250
Epoch 319: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5835 - accuracy: 0.
5977 - val_loss: 0.5789 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 320/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5598 - accuracy: 0.6875
Epoch 320: val_loss did not improve from 0.57109
11/11 [=====] - 0s 10ms/step - loss: 0.5822 - accuracy:
0.6092 - val_loss: 0.5802 - val_accuracy: 0.5733 - lr: 0.0063
Epoch 321/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5722 - accuracy: 0.4688
Epoch 321: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5815 - accuracy: 0.
5862 - val_loss: 0.5813 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 322/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6730 - accuracy: 0.4688
Epoch 322: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5848 - accuracy: 0.
6121 - val_loss: 0.5806 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 323/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5644 - accuracy: 0.5938
Epoch 323: val_loss did not improve from 0.57109
11/11 [=====] - 0s 8ms/step - loss: 0.5828 - accuracy: 0.
6092 - val_loss: 0.5813 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 324/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6025 - accuracy: 0.5000
Epoch 324: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5826 - accuracy: 0.
5862 - val_loss: 0.5841 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 325/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5791 - accuracy: 0.5000
Epoch 325: val_loss did not improve from 0.57109
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11/11 [=====] - 0s 9ms/step - loss: 0.5819 - accuracy: 0.5805 - val_loss: 0.5815 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 326/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5449 - accuracy: 0.5938
Epoch 326: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5823 - accuracy: 0.6063 - val_loss: 0.5812 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 327/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6200 - accuracy: 0.5625
Epoch 327: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5846 - accuracy: 0.6207 - val_loss: 0.5829 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 328/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5540 - accuracy: 0.4375
Epoch 328: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5848 - accuracy: 0.5776 - val_loss: 0.5806 - val_accuracy: 0.5667 - lr: 0.0063
Epoch 329/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5942 - accuracy: 0.5938
Epoch 329: val_loss did not improve from 0.57109
11/11 [=====] - 0s 8ms/step - loss: 0.5853 - accuracy: 0.6092 - val_loss: 0.5893 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 330/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5001 - accuracy: 0.7188
Epoch 330: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5893 - accuracy: 0.5661 - val_loss: 0.5878 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 331/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5905 - accuracy: 0.5625
Epoch 331: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5831 - accuracy: 0.6149 - val_loss: 0.5797 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 332/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6211 - accuracy: 0.6562
Epoch 332: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5829 - accuracy: 0.6149 - val_loss: 0.5894 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 333/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5715 - accuracy: 0.5625
Epoch 333: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5841 - accuracy: 0.5977 - val_loss: 0.5852 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 334/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5707 - accuracy: 0.6562
Epoch 334: val_loss did not improve from 0.57109
11/11 [=====] - 0s 10ms/step - loss: 0.5822 - accuracy: 0.6236 - val_loss: 0.5834 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 335/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5894 - accuracy: 0.6562
Epoch 335: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5833 - accuracy: 0.6006 - val_loss: 0.5837 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 336/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5352 - accuracy: 0.7812
Epoch 336: val_loss did not improve from 0.57109
11/11 [=====] - 0s 10ms/step - loss: 0.5822 - accuracy: 0.6264 - val_loss: 0.5881 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 337/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6034 - accuracy: 0.6250
Epoch 337: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5828 - accuracy: 0.6092 - val_loss: 0.5852 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 338/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6339 - accuracy: 0.6562
```

```
Epoch 338: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5832 - accuracy: 0.
6149 - val_loss: 0.5851 - val_accuracy: 0.5733 - lr: 0.0063
Epoch 339/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5499 - accuracy: 0.5312
Epoch 339: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5814 - accuracy: 0.
5833 - val_loss: 0.5822 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 340/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6005 - accuracy: 0.6562
Epoch 340: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5818 - accuracy: 0.
6149 - val_loss: 0.5917 - val_accuracy: 0.5600 - lr: 0.0063
Epoch 341/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5931 - accuracy: 0.5938
Epoch 341: val_loss did not improve from 0.57109
11/11 [=====] - 0s 10ms/step - loss: 0.5899 - accuracy: 0.
5862 - val_loss: 0.5948 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 342/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5898 - accuracy: 0.5625
Epoch 342: val_loss did not improve from 0.57109
11/11 [=====] - 0s 9ms/step - loss: 0.5872 - accuracy: 0.
6207 - val_loss: 0.5879 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 343/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5681 - accuracy: 0.5625
Epoch 343: val_loss did not improve from 0.57109
11/11 [=====] - 0s 8ms/step - loss: 0.5851 - accuracy: 0.
6092 - val_loss: 0.5807 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 344/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5808 - accuracy: 0.6250
Epoch 344: val_loss did not improve from 0.57109
11/11 [=====] - 0s 8ms/step - loss: 0.5822 - accuracy: 0.
6092 - val_loss: 0.5837 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 345/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5789 - accuracy: 0.5938
Epoch 345: val_loss did not improve from 0.57109
11/11 [=====] - 0s 8ms/step - loss: 0.5826 - accuracy: 0.
5920 - val_loss: 0.5864 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 346/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6829 - accuracy: 0.4375
Epoch 346: val_loss did not improve from 0.57109

Epoch 346: ReduceLROnPlateau reducing learning rate to 0.004409999679774046.
11/11 [=====] - 0s 10ms/step - loss: 0.5822 - accuracy: 0.6092 - val_loss: 0.5872 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 346: early stopping
Final training loss for double layer and [12, 4] nodes: 0.5822378396987915
Final training accuracy for double layer and [12, 4] nodes 0.6091954112052917
Final validation loss for double layer and [12, 4] nodes 0.5872442722320557
Final validation accuracy for double layer and [12, 4] nodes 0.5799999833106995
```



```
>>>>>>>>>>>>>>> Model training with double hidden layer and [12, 8] node>>>>
>>>>>>>
```

Model: "sequential_42"

Layer (type)	Output Shape	Param #
<hr/>		
dense_114 (Dense)	(None, 12)	36
dense_115 (Dense)	(None, 8)	104
dense_116 (Dense)	(None, 1)	9
<hr/>		
Total params: 149		
Trainable params: 149		
Non-trainable params: 0		

None

Epoch 1/1000

```
1/11 [=>.....] - ETA: 7s - loss: 0.6950 - accuracy: 0.3750
Epoch 1: val_loss improved from inf to 0.69132, saving model to tmp/Weights-001--0.69132.hdf5
```

```
11/11 [=====] - 1s 37ms/step - loss: 0.6964 - accuracy: 0.5029 - val_loss: 0.6913 - val_accuracy: 0.5400 - lr: 0.0090
```

Epoch 2/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6951 - accuracy: 0.5312
Epoch 2: val_loss improved from 0.69132 to 0.68858, saving model to tmp/Weights-002--0.68858.hdf5
```

```
11/11 [=====] - 0s 11ms/step - loss: 0.6914 - accuracy: 0.5517 - val_loss: 0.6886 - val_accuracy: 0.5933 - lr: 0.0090
```

Epoch 3/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6944 - accuracy: 0.5312
Epoch 3: val_loss improved from 0.68858 to 0.68624, saving model to tmp/Weights-003--0.68624.hdf5
```

```
11/11 [=====] - 0s 11ms/step - loss: 0.6938 - accuracy: 0.4971 - val_loss: 0.6862 - val_accuracy: 0.6067 - lr: 0.0090
```

Epoch 4/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6879 - accuracy: 0.5312
Epoch 4: val_loss improved from 0.68624 to 0.68488, saving model to tmp/Weights-004--0.68488.hdf5
```

```
11/11 [=====] - 0s 11ms/step - loss: 0.6913 - accuracy: 0.5144 - val_loss: 0.6849 - val_accuracy: 0.5533 - lr: 0.0090
```

Epoch 5/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6990 - accuracy: 0.4375
Epoch 5: val_loss improved from 0.68488 to 0.68303, saving model to tmp/Weights-005--0.68303.hdf5
```

```
11/11 [=====] - 0s 11ms/step - loss: 0.6895 - accuracy: 0.5546 - val_loss: 0.6830 - val_accuracy: 0.5867 - lr: 0.0090
```

Epoch 6/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6831 - accuracy: 0.6250
Epoch 6: val_loss improved from 0.68303 to 0.68151, saving model to tmp/Weights-006--0.68151.hdf5
```

```
11/11 [=====] - 0s 11ms/step - loss: 0.6897 - accuracy: 0.5172 - val_loss: 0.6815 - val_accuracy: 0.5333 - lr: 0.0090
```

Epoch 7/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6695 - accuracy: 0.6562
Epoch 7: val_loss improved from 0.68151 to 0.68142, saving model to tmp/Weights-007--0.68142.hdf5
```

```
11/11 [=====] - 0s 10ms/step - loss: 0.6884 - accuracy: 0.5259 - val_loss: 0.6814 - val_accuracy: 0.5667 - lr: 0.0090
```

Epoch 8/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6814 - accuracy: 0.5938
Epoch 8: val_loss improved from 0.68142 to 0.67949, saving model to tmp/Weights-00
8--0.67949.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6875 - accuracy:
0.5603 - val_loss: 0.6795 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 9/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6905 - accuracy: 0.5625
Epoch 9: val_loss improved from 0.67949 to 0.67852, saving model to tmp/Weights-00
9--0.67852.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6870 - accuracy:
0.5374 - val_loss: 0.6785 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 10/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6681 - accuracy: 0.6562
Epoch 10: val_loss improved from 0.67852 to 0.67803, saving model to tmp/Weights-00
10--0.67803.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6874 - accuracy:
0.5144 - val_loss: 0.6780 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 11/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6896 - accuracy: 0.4375
Epoch 11: val_loss improved from 0.67803 to 0.67660, saving model to tmp/Weights-00
11--0.67660.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6887 - accuracy:
0.4856 - val_loss: 0.6766 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 12/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6772 - accuracy: 0.5938
Epoch 12: val_loss did not improve from 0.67660
11/11 [=====] - 0s 9ms/step - loss: 0.6859 - accuracy: 0.
5086 - val_loss: 0.6766 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 13/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6465 - accuracy: 0.6250
Epoch 13: val_loss improved from 0.67660 to 0.67544, saving model to tmp/Weights-00
13--0.67544.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6839 - accuracy:
0.5230 - val_loss: 0.6754 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 14/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6993 - accuracy: 0.4062
Epoch 14: val_loss improved from 0.67544 to 0.67461, saving model to tmp/Weights-00
14--0.67461.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6836 - accuracy:
0.5287 - val_loss: 0.6746 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 15/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6785 - accuracy: 0.6250
Epoch 15: val_loss improved from 0.67461 to 0.67356, saving model to tmp/Weights-00
15--0.67356.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6837 - accuracy:
0.5259 - val_loss: 0.6736 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 16/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6485 - accuracy: 0.6875
Epoch 16: val_loss improved from 0.67356 to 0.67270, saving model to tmp/Weights-00
16--0.67270.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6814 - accuracy:
0.5402 - val_loss: 0.6727 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 17/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6650 - accuracy: 0.6562
Epoch 17: val_loss did not improve from 0.67270
11/11 [=====] - 0s 9ms/step - loss: 0.6827 - accuracy: 0.
5374 - val_loss: 0.6736 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 18/1000
11/11 [=====] - 0s - loss: 0.6795 - accuracy: 0.5287
Epoch 18: val_loss improved from 0.67270 to 0.67082, saving model to tmp/Weights-00
18--0.67082.hdf5
11/11 [=====] - 0s 15ms/step - loss: 0.6795 - accuracy:
0.5287 - val_loss: 0.6708 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 19/1000
```

```
1/11 [=>.....] - ETA: 0s - loss: 0.6320 - accuracy: 0.7188
Epoch 19: val_loss improved from 0.67082 to 0.67000, saving model to tmp/Weights-0
19--0.67000.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6789 - accuracy:
0.5575 - val_loss: 0.6700 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 20/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6676 - accuracy: 0.6562
Epoch 20: val_loss improved from 0.67000 to 0.66986, saving model to tmp/Weights-0
20--0.66986.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6798 - accuracy:
0.5431 - val_loss: 0.6699 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 21/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6868 - accuracy: 0.5000
Epoch 21: val_loss improved from 0.66986 to 0.66883, saving model to tmp/Weights-0
21--0.66883.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6776 - accuracy:
0.5172 - val_loss: 0.6688 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 22/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6779 - accuracy: 0.5938
Epoch 22: val_loss improved from 0.66883 to 0.66751, saving model to tmp/Weights-0
22--0.66751.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6763 - accuracy:
0.5690 - val_loss: 0.6675 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 23/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6540 - accuracy: 0.6562
Epoch 23: val_loss improved from 0.66751 to 0.66668, saving model to tmp/Weights-0
23--0.66668.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6757 - accuracy:
0.5144 - val_loss: 0.6667 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 24/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6895 - accuracy: 0.5000
Epoch 24: val_loss improved from 0.66668 to 0.66616, saving model to tmp/Weights-0
24--0.66616.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6753 - accuracy:
0.5230 - val_loss: 0.6662 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 25/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6843 - accuracy: 0.4062
Epoch 25: val_loss did not improve from 0.66616
11/11 [=====] - 0s 9ms/step - loss: 0.6750 - accuracy: 0.
5086 - val_loss: 0.6663 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 26/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7068 - accuracy: 0.4375
Epoch 26: val_loss improved from 0.66616 to 0.66455, saving model to tmp/Weights-0
26--0.66455.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6736 - accuracy:
0.5144 - val_loss: 0.6645 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 27/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6199 - accuracy: 0.5000
Epoch 27: val_loss did not improve from 0.66455
11/11 [=====] - 0s 8ms/step - loss: 0.6732 - accuracy: 0.
5718 - val_loss: 0.6647 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 28/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6882 - accuracy: 0.4688
Epoch 28: val_loss improved from 0.66455 to 0.66386, saving model to tmp/Weights-0
28--0.66386.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6739 - accuracy:
0.5345 - val_loss: 0.6639 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 29/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6325 - accuracy: 0.6562
Epoch 29: val_loss improved from 0.66386 to 0.66188, saving model to tmp/Weights-0
29--0.66188.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6705 - accuracy:
0.5115 - val_loss: 0.6619 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 30/1000
```

```
1/11 [=>.....] - ETA: 0s - loss: 0.6709 - accuracy: 0.6250
Epoch 30: val_loss improved from 0.66188 to 0.66047, saving model to tmp/Weights-0
30--0.66047.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6714 - accuracy:
0.5575 - val_loss: 0.6605 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 31/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6315 - accuracy: 0.5625
Epoch 31: val_loss did not improve from 0.66047
11/11 [=====] - 0s 10ms/step - loss: 0.6728 - accuracy:
0.5287 - val_loss: 0.6640 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 32/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6979 - accuracy: 0.4375
Epoch 32: val_loss did not improve from 0.66047
11/11 [=====] - 0s 8ms/step - loss: 0.6720 - accuracy: 0.
5603 - val_loss: 0.6615 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 33/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7094 - accuracy: 0.3750
Epoch 33: val_loss improved from 0.66047 to 0.65937, saving model to tmp/Weights-0
33--0.65937.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6705 - accuracy:
0.5172 - val_loss: 0.6594 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 34/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6963 - accuracy: 0.4688
Epoch 34: val_loss did not improve from 0.65937
11/11 [=====] - 0s 9ms/step - loss: 0.6695 - accuracy: 0.
5115 - val_loss: 0.6605 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 35/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6623 - accuracy: 0.5625
Epoch 35: val_loss did not improve from 0.65937
11/11 [=====] - 0s 9ms/step - loss: 0.6695 - accuracy: 0.
5374 - val_loss: 0.6603 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 36/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6663 - accuracy: 0.5000
Epoch 36: val_loss did not improve from 0.65937
11/11 [=====] - 0s 9ms/step - loss: 0.6685 - accuracy: 0.
5230 - val_loss: 0.6595 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 37/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6887 - accuracy: 0.5312
Epoch 37: val_loss improved from 0.65937 to 0.65853, saving model to tmp/Weights-0
37--0.65853.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6686 - accuracy:
0.5489 - val_loss: 0.6585 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 38/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6744 - accuracy: 0.5625
Epoch 38: val_loss did not improve from 0.65853
11/11 [=====] - 0s 9ms/step - loss: 0.6712 - accuracy: 0.
5460 - val_loss: 0.6657 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 39/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6726 - accuracy: 0.6250
Epoch 39: val_loss did not improve from 0.65853
11/11 [=====] - 0s 10ms/step - loss: 0.6703 - accuracy:
0.5489 - val_loss: 0.6588 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 40/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7108 - accuracy: 0.4375
Epoch 40: val_loss improved from 0.65853 to 0.65747, saving model to tmp/Weights-0
40--0.65747.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6683 - accuracy:
0.5057 - val_loss: 0.6575 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 41/1000
11/11 [=====] - ETA: 0s - loss: 0.6675 - accuracy: 0.5230
Epoch 41: val_loss did not improve from 0.65747
11/11 [=====] - 0s 11ms/step - loss: 0.6675 - accuracy:
0.5230 - val_loss: 0.6593 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 42/1000
```

```
1/11 [=>.....] - ETA: 0s - loss: 0.6346 - accuracy: 0.5312
Epoch 42: val_loss did not improve from 0.65747
11/11 [=====] - 0s 9ms/step - loss: 0.6670 - accuracy: 0.
5259 - val_loss: 0.6576 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 43/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6759 - accuracy: 0.4688
Epoch 43: val_loss improved from 0.65747 to 0.65617, saving model to tmp/Weights-0
43--0.65617.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6661 - accuracy:
0.5287 - val_loss: 0.6562 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 44/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6226 - accuracy: 0.6875
Epoch 44: val_loss did not improve from 0.65617
11/11 [=====] - 0s 9ms/step - loss: 0.6667 - accuracy: 0.
5546 - val_loss: 0.6565 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 45/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5630 - accuracy: 0.7188
Epoch 45: val_loss did not improve from 0.65617
11/11 [=====] - 0s 9ms/step - loss: 0.6664 - accuracy: 0.
5632 - val_loss: 0.6574 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 46/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6869 - accuracy: 0.5000
Epoch 46: val_loss did not improve from 0.65617
11/11 [=====] - 0s 10ms/step - loss: 0.6660 - accuracy:
0.5517 - val_loss: 0.6563 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 47/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6580 - accuracy: 0.6562
Epoch 47: val_loss did not improve from 0.65617
11/11 [=====] - 0s 10ms/step - loss: 0.6697 - accuracy:
0.5316 - val_loss: 0.6575 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 48/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7265 - accuracy: 0.4375
Epoch 48: val_loss did not improve from 0.65617
11/11 [=====] - 0s 9ms/step - loss: 0.6688 - accuracy: 0.
5603 - val_loss: 0.6581 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 49/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7034 - accuracy: 0.4688
Epoch 49: val_loss improved from 0.65617 to 0.65502, saving model to tmp/Weights-0
49--0.65502.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6669 - accuracy:
0.5517 - val_loss: 0.6550 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 50/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6994 - accuracy: 0.4062
Epoch 50: val_loss did not improve from 0.65502
11/11 [=====] - 0s 9ms/step - loss: 0.6670 - accuracy: 0.
5345 - val_loss: 0.6561 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 51/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7056 - accuracy: 0.4688
Epoch 51: val_loss improved from 0.65502 to 0.65421, saving model to tmp/Weights-0
51--0.65421.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6643 - accuracy:
0.5402 - val_loss: 0.6542 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 52/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6688 - accuracy: 0.5312
Epoch 52: val_loss improved from 0.65421 to 0.65220, saving model to tmp/Weights-0
52--0.65220.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6656 - accuracy:
0.5460 - val_loss: 0.6522 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 53/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6561 - accuracy: 0.5000
Epoch 53: val_loss did not improve from 0.65220
11/11 [=====] - 0s 9ms/step - loss: 0.6660 - accuracy: 0.
5230 - val_loss: 0.6594 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 54/1000
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10/11 [=====>...] - ETA: 0s - loss: 0.6695 - accuracy: 0.5656
Epoch 54: val_loss did not improve from 0.65220
11/11 [=====] - 0s 11ms/step - loss: 0.6684 - accuracy: 0.5718 - val_loss: 0.6575 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 55/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7054 - accuracy: 0.4688
Epoch 55: val_loss improved from 0.65220 to 0.65157, saving model to tmp/Weights-0
55--0.65157.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6629 - accuracy: 0.5460 - val_loss: 0.6516 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 56/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6798 - accuracy: 0.5312
Epoch 56: val_loss did not improve from 0.65157
11/11 [=====] - 0s 10ms/step - loss: 0.6622 - accuracy: 0.5201 - val_loss: 0.6518 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 57/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6533 - accuracy: 0.4375
Epoch 57: val_loss improved from 0.65157 to 0.64927, saving model to tmp/Weights-0
57--0.64927.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6629 - accuracy: 0.5201 - val_loss: 0.6493 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 58/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6885 - accuracy: 0.5000
Epoch 58: val_loss did not improve from 0.64927
11/11 [=====] - 0s 9ms/step - loss: 0.6637 - accuracy: 0.5747 - val_loss: 0.6510 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 59/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6839 - accuracy: 0.4688
Epoch 59: val_loss did not improve from 0.64927
11/11 [=====] - 0s 9ms/step - loss: 0.6641 - accuracy: 0.5546 - val_loss: 0.6536 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 60/1000
11/11 [=====] - ETA: 0s - loss: 0.6637 - accuracy: 0.5374
Epoch 60: val_loss did not improve from 0.64927
11/11 [=====] - 0s 11ms/step - loss: 0.6637 - accuracy: 0.5374 - val_loss: 0.6508 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 61/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6746 - accuracy: 0.5312
Epoch 61: val_loss did not improve from 0.64927
11/11 [=====] - 0s 9ms/step - loss: 0.6617 - accuracy: 0.5575 - val_loss: 0.6501 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 62/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6770 - accuracy: 0.6875
Epoch 62: val_loss did not improve from 0.64927
11/11 [=====] - 0s 8ms/step - loss: 0.6616 - accuracy: 0.5489 - val_loss: 0.6515 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 63/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7016 - accuracy: 0.4375
Epoch 63: val_loss improved from 0.64927 to 0.64808, saving model to tmp/Weights-0
63--0.64808.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6602 - accuracy: 0.5460 - val_loss: 0.6481 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 64/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6698 - accuracy: 0.5000
Epoch 64: val_loss did not improve from 0.64808
11/11 [=====] - 0s 9ms/step - loss: 0.6599 - accuracy: 0.5517 - val_loss: 0.6490 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 65/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6493 - accuracy: 0.4688
Epoch 65: val_loss did not improve from 0.64808
11/11 [=====] - 0s 9ms/step - loss: 0.6600 - accuracy: 0.5747 - val_loss: 0.6486 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 66/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6905 - accuracy: 0.3438
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Epoch 66: val_loss did not improve from 0.64808
11/11 [=====] - 0s 9ms/step - loss: 0.6640 - accuracy: 0.
5287 - val_loss: 0.6497 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 67/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6271 - accuracy: 0.6875
Epoch 67: val_loss did not improve from 0.64808
11/11 [=====] - 0s 9ms/step - loss: 0.6594 - accuracy: 0.
5805 - val_loss: 0.6485 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 68/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6828 - accuracy: 0.5625
Epoch 68: val_loss did not improve from 0.64808
11/11 [=====] - 0s 9ms/step - loss: 0.6614 - accuracy: 0.
5575 - val_loss: 0.6510 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 69/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6918 - accuracy: 0.5312
Epoch 69: val_loss improved from 0.64808 to 0.64520, saving model to tmp/Weights-0
69--0.64520.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6582 - accuracy: 0.
5747 - val_loss: 0.6452 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 70/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6627 - accuracy: 0.5000
Epoch 70: val_loss did not improve from 0.64520
11/11 [=====] - 0s 9ms/step - loss: 0.6577 - accuracy: 0.
5517 - val_loss: 0.6493 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 71/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6774 - accuracy: 0.5938
Epoch 71: val_loss did not improve from 0.64520
11/11 [=====] - 0s 9ms/step - loss: 0.6594 - accuracy: 0.
5460 - val_loss: 0.6462 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 72/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6761 - accuracy: 0.5312
Epoch 72: val_loss did not improve from 0.64520
11/11 [=====] - 0s 10ms/step - loss: 0.6583 - accuracy: 0.
5718 - val_loss: 0.6461 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 73/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7209 - accuracy: 0.3750
Epoch 73: val_loss did not improve from 0.64520
11/11 [=====] - 0s 9ms/step - loss: 0.6572 - accuracy: 0.
5402 - val_loss: 0.6478 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 74/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6208 - accuracy: 0.5625
Epoch 74: val_loss did not improve from 0.64520
11/11 [=====] - 0s 8ms/step - loss: 0.6580 - accuracy: 0.
5374 - val_loss: 0.6496 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 75/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6892 - accuracy: 0.5312
Epoch 75: val_loss did not improve from 0.64520
11/11 [=====] - 0s 9ms/step - loss: 0.6611 - accuracy: 0.
5718 - val_loss: 0.6484 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 76/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6661 - accuracy: 0.5625
Epoch 76: val_loss did not improve from 0.64520
11/11 [=====] - 0s 9ms/step - loss: 0.6579 - accuracy: 0.
5805 - val_loss: 0.6467 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 77/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6599 - accuracy: 0.5312
Epoch 77: val_loss improved from 0.64520 to 0.64327, saving model to tmp/Weights-0
77--0.64327.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6559 - accuracy: 0.
5489 - val_loss: 0.6433 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 78/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6747 - accuracy: 0.4062
Epoch 78: val_loss did not improve from 0.64327
11/11 [=====] - 0s 9ms/step - loss: 0.6559 - accuracy: 0.
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5632 - val_loss: 0.6442 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 79/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6874 - accuracy: 0.4375
Epoch 79: val_loss did not improve from 0.64327
11/11 [=====] - 0s 9ms/step - loss: 0.6555 - accuracy: 0.
5747 - val_loss: 0.6483 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 80/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6535 - accuracy: 0.6250
Epoch 80: val_loss improved from 0.64327 to 0.64258, saving model to tmp/Weights-0
80--0.64258.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6544 - accuracy:
0.5718 - val_loss: 0.6426 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 81/1000
11/11 [=====] - ETA: 0s - loss: 0.6549 - accuracy: 0.5517
Epoch 81: val_loss did not improve from 0.64258
11/11 [=====] - 0s 11ms/step - loss: 0.6549 - accuracy:
0.5517 - val_loss: 0.6426 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 82/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6218 - accuracy: 0.5938
Epoch 82: val_loss improved from 0.64258 to 0.64091, saving model to tmp/Weights-0
82--0.64091.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6545 - accuracy:
0.5690 - val_loss: 0.6409 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 83/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6368 - accuracy: 0.6562
Epoch 83: val_loss did not improve from 0.64091
11/11 [=====] - 0s 9ms/step - loss: 0.6526 - accuracy: 0.
5891 - val_loss: 0.6415 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 84/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6723 - accuracy: 0.5000
Epoch 84: val_loss improved from 0.64091 to 0.63891, saving model to tmp/Weights-0
84--0.63891.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6502 - accuracy:
0.5747 - val_loss: 0.6389 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 85/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6456 - accuracy: 0.4688
Epoch 85: val_loss did not improve from 0.63891
11/11 [=====] - 0s 9ms/step - loss: 0.6510 - accuracy: 0.
5546 - val_loss: 0.6408 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 86/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6248 - accuracy: 0.5938
Epoch 86: val_loss did not improve from 0.63891
11/11 [=====] - 0s 9ms/step - loss: 0.6547 - accuracy: 0.
5747 - val_loss: 0.6532 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 87/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6383 - accuracy: 0.5625
Epoch 87: val_loss improved from 0.63891 to 0.63823, saving model to tmp/Weights-0
87--0.63823.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6602 - accuracy:
0.5661 - val_loss: 0.6382 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 88/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6582 - accuracy: 0.5625
Epoch 88: val_loss did not improve from 0.63823
11/11 [=====] - 0s 10ms/step - loss: 0.6512 - accuracy:
0.5690 - val_loss: 0.6441 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 89/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6473 - accuracy: 0.5938
Epoch 89: val_loss improved from 0.63823 to 0.63496, saving model to tmp/Weights-0
89--0.63496.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6485 - accuracy:
0.5805 - val_loss: 0.6350 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 90/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5755 - accuracy: 0.6875
Epoch 90: val_loss did not improve from 0.63496
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11/11 [=====] - 0s 8ms/step - loss: 0.6499 - accuracy: 0.5603 - val_loss: 0.6428 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 91/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6601 - accuracy: 0.6250
Epoch 91: val_loss did not improve from 0.63496
11/11 [=====] - 0s 10ms/step - loss: 0.6524 - accuracy: 0.5661 - val_loss: 0.6364 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 92/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6120 - accuracy: 0.5938
Epoch 92: val_loss did not improve from 0.63496
11/11 [=====] - 0s 9ms/step - loss: 0.6485 - accuracy: 0.5718 - val_loss: 0.6350 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 93/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6208 - accuracy: 0.6875
Epoch 93: val_loss improved from 0.63496 to 0.63290, saving model to tmp/Weights-093--0.63290.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6489 - accuracy: 0.5489 - val_loss: 0.6329 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 94/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6435 - accuracy: 0.5312
Epoch 94: val_loss improved from 0.63290 to 0.63052, saving model to tmp/Weights-094--0.63052.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6493 - accuracy: 0.5690 - val_loss: 0.6305 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 95/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6595 - accuracy: 0.6250
Epoch 95: val_loss did not improve from 0.63052
11/11 [=====] - 0s 9ms/step - loss: 0.6472 - accuracy: 0.5575 - val_loss: 0.6403 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 96/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6499 - accuracy: 0.7188
Epoch 96: val_loss improved from 0.63052 to 0.62827, saving model to tmp/Weights-096--0.62827.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6541 - accuracy: 0.5690 - val_loss: 0.6283 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 97/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6825 - accuracy: 0.5625
Epoch 97: val_loss improved from 0.62827 to 0.62706, saving model to tmp/Weights-097--0.62706.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6453 - accuracy: 0.5546 - val_loss: 0.6271 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 98/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6850 - accuracy: 0.5000
Epoch 98: val_loss did not improve from 0.62706
11/11 [=====] - 0s 8ms/step - loss: 0.6435 - accuracy: 0.5517 - val_loss: 0.6296 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 99/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6202 - accuracy: 0.6250
Epoch 99: val_loss improved from 0.62706 to 0.62295, saving model to tmp/Weights-099--0.62295.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6429 - accuracy: 0.5718 - val_loss: 0.6229 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 100/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6933 - accuracy: 0.4375
Epoch 100: val_loss did not improve from 0.62295
11/11 [=====] - 0s 10ms/step - loss: 0.6416 - accuracy: 0.5862 - val_loss: 0.6233 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 101/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6061 - accuracy: 0.5938
Epoch 101: val_loss did not improve from 0.62295
11/11 [=====] - 0s 10ms/step - loss: 0.6395 - accuracy: 0.5718 - val_loss: 0.6242 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 102/1000
11/11 [=====] - ETA: 0s - loss: 0.6472 - accuracy: 0.5718
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Epoch 102: val_loss did not improve from 0.62295
11/11 [=====] - 0s 10ms/step - loss: 0.6472 - accuracy: 0.5718 - val_loss: 0.6564 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 103/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6590 - accuracy: 0.4688
Epoch 103: val_loss did not improve from 0.62295
11/11 [=====] - 0s 9ms/step - loss: 0.6570 - accuracy: 0.5460 - val_loss: 0.6255 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 104/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6407 - accuracy: 0.5625
Epoch 104: val_loss did not improve from 0.62295
11/11 [=====] - 0s 10ms/step - loss: 0.6405 - accuracy: 0.5517 - val_loss: 0.6377 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 105/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6099 - accuracy: 0.6250
Epoch 105: val_loss improved from 0.62295 to 0.62228, saving model to tmp/Weights-105--0.62228.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6461 - accuracy: 0.5489 - val_loss: 0.6223 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 106/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5474 - accuracy: 0.6875
Epoch 106: val_loss improved from 0.62228 to 0.61611, saving model to tmp/Weights-106--0.61611.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6372 - accuracy: 0.5747 - val_loss: 0.6161 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 107/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6543 - accuracy: 0.5938
Epoch 107: val_loss improved from 0.61611 to 0.61453, saving model to tmp/Weights-107--0.61453.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6366 - accuracy: 0.5575 - val_loss: 0.6145 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 108/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6334 - accuracy: 0.5312
Epoch 108: val_loss did not improve from 0.61453
11/11 [=====] - 0s 9ms/step - loss: 0.6320 - accuracy: 0.5517 - val_loss: 0.6163 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 109/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5939 - accuracy: 0.5938
Epoch 109: val_loss did not improve from 0.61453
11/11 [=====] - 0s 9ms/step - loss: 0.6322 - accuracy: 0.5489 - val_loss: 0.6210 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 110/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6384 - accuracy: 0.5000
Epoch 110: val_loss improved from 0.61453 to 0.61423, saving model to tmp/Weights-110--0.61423.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6319 - accuracy: 0.5661 - val_loss: 0.6142 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 111/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6495 - accuracy: 0.6250
Epoch 111: val_loss improved from 0.61423 to 0.61167, saving model to tmp/Weights-111--0.61167.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6280 - accuracy: 0.5776 - val_loss: 0.6117 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 112/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6463 - accuracy: 0.5625
Epoch 112: val_loss improved from 0.61167 to 0.60853, saving model to tmp/Weights-112--0.60853.hdf5
11/11 [=====] - 0s 16ms/step - loss: 0.6259 - accuracy: 0.5747 - val_loss: 0.6085 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 113/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6230 - accuracy: 0.5625
Epoch 113: val_loss did not improve from 0.60853
11/11 [=====] - 0s 9ms/step - loss: 0.6254 - accuracy: 0.5891 - val_loss: 0.6343 - val_accuracy: 0.5267 - lr: 0.0090
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Epoch 114/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6438 - accuracy: 0.4688
Epoch 114: val_loss improved from 0.60853 to 0.60683, saving model to tmp/Weights-114--0.60683.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6219 - accuracy: 0.5603 - val_loss: 0.6068 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 115/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5742 - accuracy: 0.6562
Epoch 115: val_loss did not improve from 0.60683
11/11 [=====] - 0s 10ms/step - loss: 0.6189 - accuracy: 0.5575 - val_loss: 0.6097 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 116/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6322 - accuracy: 0.5938
Epoch 116: val_loss improved from 0.60683 to 0.60394, saving model to tmp/Weights-116--0.60394.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6190 - accuracy: 0.5747 - val_loss: 0.6039 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 117/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6746 - accuracy: 0.3438
Epoch 117: val_loss did not improve from 0.60394
11/11 [=====] - 0s 9ms/step - loss: 0.6194 - accuracy: 0.5833 - val_loss: 0.6045 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 118/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6089 - accuracy: 0.6875
Epoch 118: val_loss did not improve from 0.60394
11/11 [=====] - 0s 9ms/step - loss: 0.6179 - accuracy: 0.5747 - val_loss: 0.6105 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 119/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5625 - accuracy: 0.6250
Epoch 119: val_loss did not improve from 0.60394
11/11 [=====] - 0s 10ms/step - loss: 0.6204 - accuracy: 0.5776 - val_loss: 0.6174 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 120/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6375 - accuracy: 0.6562
Epoch 120: val_loss did not improve from 0.60394
11/11 [=====] - 0s 10ms/step - loss: 0.6220 - accuracy: 0.5862 - val_loss: 0.6070 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 121/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6191 - accuracy: 0.6562
Epoch 121: val_loss did not improve from 0.60394
11/11 [=====] - 0s 10ms/step - loss: 0.6195 - accuracy: 0.6034 - val_loss: 0.6066 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 122/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6094 - accuracy: 0.6562
Epoch 122: val_loss improved from 0.60394 to 0.60122, saving model to tmp/Weights-122--0.60122.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6132 - accuracy: 0.5948 - val_loss: 0.6012 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 123/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6308 - accuracy: 0.5938
Epoch 123: val_loss improved from 0.60122 to 0.59776, saving model to tmp/Weights-123--0.59776.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6149 - accuracy: 0.5661 - val_loss: 0.5978 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 124/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5595 - accuracy: 0.5938
Epoch 124: val_loss did not improve from 0.59776
11/11 [=====] - 0s 9ms/step - loss: 0.6100 - accuracy: 0.5747 - val_loss: 0.6040 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 125/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5968 - accuracy: 0.5938
Epoch 125: val_loss did not improve from 0.59776
11/11 [=====] - 0s 10ms/step - loss: 0.6165 - accuracy: 0.5891 - val_loss: 0.6034 - val_accuracy: 0.5867 - lr: 0.0090
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Epoch 126/1000
11/11 [=====] - ETA: 0s - loss: 0.6099 - accuracy: 0.5862
Epoch 126: val_loss did not improve from 0.59776
11/11 [=====] - 0s 10ms/step - loss: 0.6099 - accuracy: 0.5862 - val_loss: 0.5993 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 127/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6149 - accuracy: 0.6250
Epoch 127: val_loss did not improve from 0.59776
11/11 [=====] - 0s 9ms/step - loss: 0.6120 - accuracy: 0.6006 - val_loss: 0.6176 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 128/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6232 - accuracy: 0.4375
Epoch 128: val_loss did not improve from 0.59776
11/11 [=====] - 0s 10ms/step - loss: 0.6336 - accuracy: 0.5603 - val_loss: 0.6312 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 129/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6405 - accuracy: 0.6250
Epoch 129: val_loss did not improve from 0.59776
11/11 [=====] - 0s 9ms/step - loss: 0.6335 - accuracy: 0.5661 - val_loss: 0.6400 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 130/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6227 - accuracy: 0.5312
Epoch 130: val_loss did not improve from 0.59776
11/11 [=====] - 0s 9ms/step - loss: 0.6259 - accuracy: 0.5833 - val_loss: 0.6258 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 131/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6682 - accuracy: 0.5938
Epoch 131: val_loss did not improve from 0.59776
11/11 [=====] - 0s 9ms/step - loss: 0.6227 - accuracy: 0.5948 - val_loss: 0.6028 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 132/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5830 - accuracy: 0.5312
Epoch 132: val_loss did not improve from 0.59776
11/11 [=====] - 0s 9ms/step - loss: 0.6107 - accuracy: 0.5833 - val_loss: 0.6054 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 133/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6176 - accuracy: 0.5312
Epoch 133: val_loss did not improve from 0.59776
11/11 [=====] - 0s 8ms/step - loss: 0.6032 - accuracy: 0.5862 - val_loss: 0.6030 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 134/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6412 - accuracy: 0.4688
Epoch 134: val_loss did not improve from 0.59776
11/11 [=====] - 0s 8ms/step - loss: 0.6016 - accuracy: 0.5747 - val_loss: 0.6004 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 135/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6058 - accuracy: 0.5938
Epoch 135: val_loss improved from 0.59776 to 0.59654, saving model to tmp/Weights-135--0.59654.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6003 - accuracy: 0.5862 - val_loss: 0.5965 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 136/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6104 - accuracy: 0.5312
Epoch 136: val_loss improved from 0.59654 to 0.59417, saving model to tmp/Weights-136--0.59417.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5987 - accuracy: 0.5891 - val_loss: 0.5942 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 137/1000
1/11 [=====] - ETA: 0s - loss: 0.6033 - accuracy: 0.5920
Epoch 137: val_loss did not improve from 0.59417
11/11 [=====] - 0s 11ms/step - loss: 0.6033 - accuracy: 0.5920 - val_loss: 0.6021 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 138/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5859 - accuracy: 0.6250
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Epoch 138: val_loss did not improve from 0.59417
11/11 [=====] - 0s 10ms/step - loss: 0.6060 - accuracy: 0.5920 - val_loss: 0.6045 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 139/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6069 - accuracy: 0.5312
Epoch 139: val_loss improved from 0.59417 to 0.58941, saving model to tmp/Weights-139--0.58941.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6017 - accuracy: 0.5747 - val_loss: 0.5894 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 140/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5458 - accuracy: 0.6250
Epoch 140: val_loss did not improve from 0.58941
11/11 [=====] - 0s 9ms/step - loss: 0.6042 - accuracy: 0.5345 - val_loss: 0.5967 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 141/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5079 - accuracy: 0.6562
Epoch 141: val_loss did not improve from 0.58941
11/11 [=====] - 0s 9ms/step - loss: 0.5936 - accuracy: 0.5920 - val_loss: 0.5901 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 142/1000
11/11 [=====] - ETA: 0s - loss: 0.5911 - accuracy: 0.6063
Epoch 142: val_loss improved from 0.58941 to 0.58094, saving model to tmp/Weights-142--0.58094.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.5911 - accuracy: 0.6063 - val_loss: 0.5809 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 143/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5020 - accuracy: 0.5625
Epoch 143: val_loss improved from 0.58094 to 0.57678, saving model to tmp/Weights-143--0.57678.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5941 - accuracy: 0.5805 - val_loss: 0.5768 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 144/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6038 - accuracy: 0.5625
Epoch 144: val_loss did not improve from 0.57678
11/11 [=====] - 0s 8ms/step - loss: 0.5912 - accuracy: 0.5632 - val_loss: 0.5842 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 145/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5590 - accuracy: 0.6875
Epoch 145: val_loss did not improve from 0.57678
11/11 [=====] - 0s 8ms/step - loss: 0.5882 - accuracy: 0.5661 - val_loss: 0.5819 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 146/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6188 - accuracy: 0.5312
Epoch 146: val_loss improved from 0.57678 to 0.57346, saving model to tmp/Weights-146--0.57346.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5874 - accuracy: 0.5747 - val_loss: 0.5735 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 147/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5925 - accuracy: 0.5000
Epoch 147: val_loss did not improve from 0.57346
11/11 [=====] - 0s 8ms/step - loss: 0.5859 - accuracy: 0.6006 - val_loss: 0.5748 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 148/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5908 - accuracy: 0.5000
Epoch 148: val_loss improved from 0.57346 to 0.57052, saving model to tmp/Weights-148--0.57052.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5824 - accuracy: 0.6006 - val_loss: 0.5705 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 149/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5626 - accuracy: 0.4375
Epoch 149: val_loss did not improve from 0.57052
11/11 [=====] - 0s 8ms/step - loss: 0.5797 - accuracy: 0.5546 - val_loss: 0.5773 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 150/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5200 - accuracy: 0.5625
Epoch 150: val_loss did not improve from 0.57052
11/11 [=====] - 0s 8ms/step - loss: 0.5797 - accuracy: 0.
5747 - val_loss: 0.5817 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 151/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5022 - accuracy: 0.6875
Epoch 151: val_loss did not improve from 0.57052
11/11 [=====] - 0s 8ms/step - loss: 0.5798 - accuracy: 0.
5948 - val_loss: 0.5880 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 152/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6058 - accuracy: 0.7812
Epoch 152: val_loss improved from 0.57052 to 0.56995, saving model to tmp/Weights-
152--0.56995.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5797 - accuracy:
0.6178 - val_loss: 0.5700 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 153/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5987 - accuracy: 0.5938
Epoch 153: val_loss did not improve from 0.56995
11/11 [=====] - 0s 14ms/step - loss: 0.5773 - accuracy:
0.5948 - val_loss: 0.5702 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 154/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5840 - accuracy: 0.5625
Epoch 154: val_loss did not improve from 0.56995
11/11 [=====] - 0s 9ms/step - loss: 0.5723 - accuracy: 0.
6092 - val_loss: 0.5762 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 155/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5199 - accuracy: 0.6562
Epoch 155: val_loss improved from 0.56995 to 0.56742, saving model to tmp/Weights-
155--0.56742.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5715 - accuracy:
0.6236 - val_loss: 0.5674 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 156/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5414 - accuracy: 0.5938
Epoch 156: val_loss improved from 0.56742 to 0.56725, saving model to tmp/Weights-
156--0.56725.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5710 - accuracy:
0.6006 - val_loss: 0.5673 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 157/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6462 - accuracy: 0.5938
Epoch 157: val_loss did not improve from 0.56725
11/11 [=====] - 0s 9ms/step - loss: 0.5729 - accuracy: 0.
6092 - val_loss: 0.5718 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 158/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5764 - accuracy: 0.5625
Epoch 158: val_loss improved from 0.56725 to 0.56627, saving model to tmp/Weights-
158--0.56627.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5714 - accuracy:
0.6063 - val_loss: 0.5663 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 159/1000
11/11 [=====] - ETA: 0s - loss: 0.5714 - accuracy: 0.6207
Epoch 159: val_loss improved from 0.56627 to 0.56118, saving model to tmp/Weights-
159--0.56118.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.5714 - accuracy:
0.6207 - val_loss: 0.5612 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 160/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5123 - accuracy: 0.4688
Epoch 160: val_loss did not improve from 0.56118
11/11 [=====] - 0s 9ms/step - loss: 0.5764 - accuracy: 0.
6034 - val_loss: 0.5840 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 161/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5849 - accuracy: 0.6250
Epoch 161: val_loss did not improve from 0.56118
11/11 [=====] - 0s 9ms/step - loss: 0.5712 - accuracy: 0.
6092 - val_loss: 0.5743 - val_accuracy: 0.6533 - lr: 0.0090
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Epoch 162/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5397 - accuracy: 0.5938
Epoch 162: val_loss did not improve from 0.56118
11/11 [=====] - 0s 9ms/step - loss: 0.5693 - accuracy: 0.
6121 - val_loss: 0.5687 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 163/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5649 - accuracy: 0.6562
Epoch 163: val_loss improved from 0.56118 to 0.55884, saving model to tmp/Weights-
163--0.55884.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5668 - accuracy:
0.6149 - val_loss: 0.5588 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 164/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5611 - accuracy: 0.5938
Epoch 164: val_loss did not improve from 0.55884
11/11 [=====] - 0s 9ms/step - loss: 0.5660 - accuracy: 0.
6121 - val_loss: 0.5629 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 165/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5623 - accuracy: 0.7188
Epoch 165: val_loss improved from 0.55884 to 0.55823, saving model to tmp/Weights-
165--0.55823.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5657 - accuracy:
0.6322 - val_loss: 0.5582 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 166/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4834 - accuracy: 0.6875
Epoch 166: val_loss did not improve from 0.55823
11/11 [=====] - 0s 8ms/step - loss: 0.5639 - accuracy: 0.
6207 - val_loss: 0.5828 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 167/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6045 - accuracy: 0.5312
Epoch 167: val_loss did not improve from 0.55823
11/11 [=====] - 0s 9ms/step - loss: 0.5673 - accuracy: 0.
6236 - val_loss: 0.5641 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 168/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5322 - accuracy: 0.6250
Epoch 168: val_loss did not improve from 0.55823
11/11 [=====] - 0s 8ms/step - loss: 0.5638 - accuracy: 0.
6322 - val_loss: 0.5645 - val_accuracy: 0.7000 - lr: 0.0090
Epoch 169/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6138 - accuracy: 0.5000
Epoch 169: val_loss did not improve from 0.55823
11/11 [=====] - 0s 8ms/step - loss: 0.5628 - accuracy: 0.
6322 - val_loss: 0.5690 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 170/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5452 - accuracy: 0.5625
Epoch 170: val_loss improved from 0.55823 to 0.55581, saving model to tmp/Weights-
170--0.55581.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5653 - accuracy:
0.6178 - val_loss: 0.5558 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 171/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4961 - accuracy: 0.6562
Epoch 171: val_loss did not improve from 0.55581
11/11 [=====] - 0s 10ms/step - loss: 0.5717 - accuracy:
0.6092 - val_loss: 0.5620 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 172/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5810 - accuracy: 0.6562
Epoch 172: val_loss did not improve from 0.55581
11/11 [=====] - 0s 9ms/step - loss: 0.5683 - accuracy: 0.
6092 - val_loss: 0.5797 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 173/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5735 - accuracy: 0.7188
Epoch 173: val_loss did not improve from 0.55581
11/11 [=====] - 0s 9ms/step - loss: 0.5632 - accuracy: 0.
6264 - val_loss: 0.5602 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 174/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6089 - accuracy: 0.5000
Epoch 174: val_loss did not improve from 0.55581
11/11 [=====] - 0s 8ms/step - loss: 0.5581 - accuracy: 0.
6293 - val_loss: 0.5644 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 175/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5838 - accuracy: 0.7188
Epoch 175: val_loss did not improve from 0.55581
11/11 [=====] - 0s 9ms/step - loss: 0.5655 - accuracy: 0.
6092 - val_loss: 0.5751 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 176/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5774 - accuracy: 0.5938
Epoch 176: val_loss improved from 0.55581 to 0.55299, saving model to tmp/Weights-176--0.55299.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5585 - accuracy: 0.
6322 - val_loss: 0.5530 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 177/1000
11/11 [=====] - ETA: 0s - loss: 0.5702 - accuracy: 0.6264
Epoch 177: val_loss improved from 0.55299 to 0.55000, saving model to tmp/Weights-177--0.55000.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5702 - accuracy: 0.
6264 - val_loss: 0.5500 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 178/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4290 - accuracy: 0.7500
Epoch 178: val_loss did not improve from 0.55000
11/11 [=====] - 0s 9ms/step - loss: 0.5619 - accuracy: 0.
5948 - val_loss: 0.5620 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 179/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5993 - accuracy: 0.7812
Epoch 179: val_loss did not improve from 0.55000
11/11 [=====] - 0s 9ms/step - loss: 0.5601 - accuracy: 0.
6264 - val_loss: 0.5540 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 180/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5647 - accuracy: 0.5938
Epoch 180: val_loss did not improve from 0.55000
11/11 [=====] - 0s 10ms/step - loss: 0.5611 - accuracy: 0.
6034 - val_loss: 0.5514 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 181/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5526 - accuracy: 0.6531
Epoch 181: val_loss did not improve from 0.55000
11/11 [=====] - 0s 10ms/step - loss: 0.5556 - accuracy: 0.
6494 - val_loss: 0.5589 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 182/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5866 - accuracy: 0.5312
Epoch 182: val_loss improved from 0.55000 to 0.54426, saving model to tmp/Weights-182--0.54426.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5565 - accuracy: 0.
6322 - val_loss: 0.5443 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 183/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5918 - accuracy: 0.5938
Epoch 183: val_loss did not improve from 0.54426
11/11 [=====] - 0s 9ms/step - loss: 0.5639 - accuracy: 0.
6264 - val_loss: 0.5668 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 184/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5707 - accuracy: 0.5938
Epoch 184: val_loss did not improve from 0.54426
11/11 [=====] - 0s 9ms/step - loss: 0.5595 - accuracy: 0.
5747 - val_loss: 0.5559 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 185/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4671 - accuracy: 0.8125
Epoch 185: val_loss did not improve from 0.54426
11/11 [=====] - 0s 10ms/step - loss: 0.5616 - accuracy: 0.
6494 - val_loss: 0.5483 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 186/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5724 - accuracy: 0.6875
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Epoch 186: val_loss did not improve from 0.54426
11/11 [=====] - 0s 9ms/step - loss: 0.5602 - accuracy: 0.
6207 - val_loss: 0.5549 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 187/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5364 - accuracy: 0.6562
Epoch 187: val_loss did not improve from 0.54426
11/11 [=====] - 0s 10ms/step - loss: 0.5512 - accuracy: 0.
6408 - val_loss: 0.5454 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 188/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5435 - accuracy: 0.7188
Epoch 188: val_loss improved from 0.54426 to 0.54409, saving model to tmp/Weights-188--0.54409.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5506 - accuracy: 0.
6408 - val_loss: 0.5441 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 189/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5147 - accuracy: 0.6562
Epoch 189: val_loss did not improve from 0.54409
11/11 [=====] - 0s 8ms/step - loss: 0.5507 - accuracy: 0.
6236 - val_loss: 0.5461 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 190/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5383 - accuracy: 0.6562
Epoch 190: val_loss did not improve from 0.54409
11/11 [=====] - 0s 9ms/step - loss: 0.5509 - accuracy: 0.
6523 - val_loss: 0.5463 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 191/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6308 - accuracy: 0.5000
Epoch 191: val_loss did not improve from 0.54409
11/11 [=====] - 0s 8ms/step - loss: 0.5500 - accuracy: 0.
6264 - val_loss: 0.5514 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 192/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4739 - accuracy: 0.6562
Epoch 192: val_loss improved from 0.54409 to 0.53806, saving model to tmp/Weights-192--0.53806.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5505 - accuracy: 0.
6149 - val_loss: 0.5381 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 193/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6206 - accuracy: 0.4062
Epoch 193: val_loss did not improve from 0.53806
11/11 [=====] - 0s 9ms/step - loss: 0.5550 - accuracy: 0.
6121 - val_loss: 0.5667 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 194/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5913 - accuracy: 0.6250
Epoch 194: val_loss improved from 0.53806 to 0.53521, saving model to tmp/Weights-194--0.53521.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5501 - accuracy: 0.
6178 - val_loss: 0.5352 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 195/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5260 - accuracy: 0.6562
Epoch 195: val_loss did not improve from 0.53521
11/11 [=====] - 0s 9ms/step - loss: 0.5464 - accuracy: 0.
6408 - val_loss: 0.5487 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 196/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5814 - accuracy: 0.6875
Epoch 196: val_loss did not improve from 0.53521
11/11 [=====] - 0s 9ms/step - loss: 0.5485 - accuracy: 0.
6408 - val_loss: 0.5554 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 197/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5166 - accuracy: 0.7500
Epoch 197: val_loss did not improve from 0.53521
11/11 [=====] - 0s 8ms/step - loss: 0.5471 - accuracy: 0.
6494 - val_loss: 0.5484 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 198/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5579 - accuracy: 0.7188
Epoch 198: val_loss did not improve from 0.53521
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11/11 [=====] - 0s 9ms/step - loss: 0.5508 - accuracy: 0.6351 - val_loss: 0.5422 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 199/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5729 - accuracy: 0.6250
Epoch 199: val_loss did not improve from 0.53521
11/11 [=====] - 0s 10ms/step - loss: 0.5465 - accuracy: 0.6379 - val_loss: 0.5546 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 200/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6047 - accuracy: 0.6250
Epoch 200: val_loss did not improve from 0.53521
11/11 [=====] - 0s 9ms/step - loss: 0.5483 - accuracy: 0.6207 - val_loss: 0.5573 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 201/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5094 - accuracy: 0.6562
Epoch 201: val_loss did not improve from 0.53521
11/11 [=====] - 0s 8ms/step - loss: 0.5469 - accuracy: 0.6293 - val_loss: 0.5400 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 202/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5767 - accuracy: 0.5000
Epoch 202: val_loss did not improve from 0.53521
11/11 [=====] - 0s 8ms/step - loss: 0.5427 - accuracy: 0.6034 - val_loss: 0.5510 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 203/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5739 - accuracy: 0.5938
Epoch 203: val_loss did not improve from 0.53521
11/11 [=====] - 0s 9ms/step - loss: 0.5444 - accuracy: 0.6178 - val_loss: 0.5420 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 204/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5923 - accuracy: 0.6250
Epoch 204: val_loss improved from 0.53521 to 0.53450, saving model to tmp/Weights-204--0.53450.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5464 - accuracy: 0.6322 - val_loss: 0.5345 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 205/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5356 - accuracy: 0.5625
Epoch 205: val_loss did not improve from 0.53450
11/11 [=====] - 0s 9ms/step - loss: 0.5445 - accuracy: 0.6466 - val_loss: 0.5524 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 206/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5495 - accuracy: 0.6875
Epoch 206: val_loss did not improve from 0.53450
11/11 [=====] - 0s 8ms/step - loss: 0.5455 - accuracy: 0.6351 - val_loss: 0.5592 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 207/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5860 - accuracy: 0.5938
Epoch 207: val_loss did not improve from 0.53450
11/11 [=====] - 0s 8ms/step - loss: 0.5546 - accuracy: 0.6063 - val_loss: 0.5548 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 208/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6244 - accuracy: 0.5312
Epoch 208: val_loss did not improve from 0.53450
11/11 [=====] - 0s 9ms/step - loss: 0.5617 - accuracy: 0.6034 - val_loss: 0.5804 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 209/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6302 - accuracy: 0.5000
Epoch 209: val_loss did not improve from 0.53450
11/11 [=====] - 0s 10ms/step - loss: 0.6142 - accuracy: 0.5920 - val_loss: 0.6053 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 210/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6426 - accuracy: 0.6156
Epoch 210: val_loss did not improve from 0.53450
11/11 [=====] - 0s 12ms/step - loss: 0.6420 - accuracy: 0.6034 - val_loss: 0.6315 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 211/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5800 - accuracy: 0.6562
Epoch 211: val_loss did not improve from 0.53450
11/11 [=====] - 0s 10ms/step - loss: 0.5698 - accuracy: 0.6236 - val_loss: 0.5766 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 212/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5753 - accuracy: 0.5938
Epoch 212: val_loss did not improve from 0.53450
11/11 [=====] - 0s 9ms/step - loss: 0.5613 - accuracy: 0.6379 - val_loss: 0.5490 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 213/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5591 - accuracy: 0.5625
Epoch 213: val_loss did not improve from 0.53450
11/11 [=====] - 0s 10ms/step - loss: 0.5459 - accuracy: 0.6466 - val_loss: 0.5670 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 214/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4879 - accuracy: 0.6250
Epoch 214: val_loss did not improve from 0.53450
11/11 [=====] - 0s 9ms/step - loss: 0.5446 - accuracy: 0.6466 - val_loss: 0.5515 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 215/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5859 - accuracy: 0.6250
Epoch 215: val_loss did not improve from 0.53450
11/11 [=====] - 0s 9ms/step - loss: 0.5453 - accuracy: 0.6293 - val_loss: 0.5556 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 216/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6218 - accuracy: 0.6250
Epoch 216: val_loss did not improve from 0.53450
11/11 [=====] - 0s 9ms/step - loss: 0.5457 - accuracy: 0.6437 - val_loss: 0.5552 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 217/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5799 - accuracy: 0.5625
Epoch 217: val_loss did not improve from 0.53450
11/11 [=====] - 0s 9ms/step - loss: 0.5431 - accuracy: 0.6437 - val_loss: 0.5488 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 218/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5146 - accuracy: 0.8125
Epoch 218: val_loss did not improve from 0.53450
11/11 [=====] - 0s 10ms/step - loss: 0.5396 - accuracy: 0.6552 - val_loss: 0.5426 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 219/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5706 - accuracy: 0.6250
Epoch 219: val_loss did not improve from 0.53450
11/11 [=====] - 0s 10ms/step - loss: 0.5406 - accuracy: 0.6379 - val_loss: 0.5550 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 220/1000
11/11 [=====] - 0s - loss: 0.5403 - accuracy: 0.6092
Epoch 220: val_loss did not improve from 0.53450
11/11 [=====] - 0s 11ms/step - loss: 0.5403 - accuracy: 0.6092 - val_loss: 0.5358 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 221/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5299 - accuracy: 0.6875
Epoch 221: val_loss did not improve from 0.53450
11/11 [=====] - 0s 9ms/step - loss: 0.5386 - accuracy: 0.6351 - val_loss: 0.5448 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 222/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5805 - accuracy: 0.6250
Epoch 222: val_loss did not improve from 0.53450
11/11 [=====] - 0s 9ms/step - loss: 0.5398 - accuracy: 0.6523 - val_loss: 0.5382 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 223/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6175 - accuracy: 0.5938
Epoch 223: val_loss did not improve from 0.53450
11/11 [=====] - 0s 9ms/step - loss: 0.5419 - accuracy: 0.6351 - val_loss: 0.5653 - val_accuracy: 0.5733 - lr: 0.0090
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Epoch 224/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5604 - accuracy: 0.6562
Epoch 224: val_loss did not improve from 0.53450
11/11 [=====] - 0s 8ms/step - loss: 0.5425 - accuracy: 0.
6494 - val_loss: 0.5596 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 225/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5950 - accuracy: 0.6875
Epoch 225: val_loss did not improve from 0.53450
11/11 [=====] - 0s 8ms/step - loss: 0.5517 - accuracy: 0.
6034 - val_loss: 0.5450 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 226/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4718 - accuracy: 0.7188
Epoch 226: val_loss did not improve from 0.53450
11/11 [=====] - 0s 8ms/step - loss: 0.5429 - accuracy: 0.
6408 - val_loss: 0.5456 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 227/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4722 - accuracy: 0.6562
Epoch 227: val_loss did not improve from 0.53450
11/11 [=====] - 0s 8ms/step - loss: 0.5408 - accuracy: 0.
6437 - val_loss: 0.5508 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 228/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5308 - accuracy: 0.6875
Epoch 228: val_loss did not improve from 0.53450
11/11 [=====] - 0s 8ms/step - loss: 0.5381 - accuracy: 0.
6552 - val_loss: 0.5366 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 229/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5167 - accuracy: 0.6875
Epoch 229: val_loss did not improve from 0.53450
11/11 [=====] - 0s 9ms/step - loss: 0.5371 - accuracy: 0.
6638 - val_loss: 0.5403 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 230/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5550 - accuracy: 0.5000
Epoch 230: val_loss did not improve from 0.53450
11/11 [=====] - 0s 9ms/step - loss: 0.5383 - accuracy: 0.
5948 - val_loss: 0.5438 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 231/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6174 - accuracy: 0.5312
Epoch 231: val_loss did not improve from 0.53450
11/11 [=====] - 0s 9ms/step - loss: 0.5381 - accuracy: 0.
6264 - val_loss: 0.5352 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 232/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5833 - accuracy: 0.5625
Epoch 232: val_loss did not improve from 0.53450
11/11 [=====] - 0s 9ms/step - loss: 0.5376 - accuracy: 0.
6437 - val_loss: 0.5562 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 233/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4904 - accuracy: 0.6875
Epoch 233: val_loss did not improve from 0.53450
11/11 [=====] - 0s 8ms/step - loss: 0.5368 - accuracy: 0.
6552 - val_loss: 0.5463 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 234/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4728 - accuracy: 0.6875
Epoch 234: val_loss did not improve from 0.53450
11/11 [=====] - 0s 9ms/step - loss: 0.5409 - accuracy: 0.
6322 - val_loss: 0.5365 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 235/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4908 - accuracy: 0.5938
Epoch 235: val_loss did not improve from 0.53450
11/11 [=====] - 0s 9ms/step - loss: 0.5391 - accuracy: 0.
6580 - val_loss: 0.5486 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 236/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5857 - accuracy: 0.6250
Epoch 236: val_loss did not improve from 0.53450
11/11 [=====] - 0s 9ms/step - loss: 0.5354 - accuracy: 0.
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6351 - val_loss: 0.5416 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 237/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4674 - accuracy: 0.7188
Epoch 237: val_loss did not improve from 0.53450
11/11 [=====] - 0s 9ms/step - loss: 0.5368 - accuracy: 0.
6494 - val_loss: 0.5499 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 238/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4594 - accuracy: 0.8125
Epoch 238: val_loss did not improve from 0.53450
11/11 [=====] - 0s 9ms/step - loss: 0.5364 - accuracy: 0.
6494 - val_loss: 0.5398 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 239/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5446 - accuracy: 0.5625
Epoch 239: val_loss did not improve from 0.53450
11/11 [=====] - 0s 13ms/step - loss: 0.5356 - accuracy:
0.6408 - val_loss: 0.5389 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 240/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5585 - accuracy: 0.5625
Epoch 240: val_loss did not improve from 0.53450
11/11 [=====] - 0s 9ms/step - loss: 0.5391 - accuracy: 0.
6437 - val_loss: 0.5385 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 241/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5510 - accuracy: 0.6250
Epoch 241: val_loss did not improve from 0.53450
11/11 [=====] - 0s 9ms/step - loss: 0.5361 - accuracy: 0.
6351 - val_loss: 0.5368 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 242/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5650 - accuracy: 0.5625
Epoch 242: val_loss improved from 0.53450 to 0.53227, saving model to tmp/Weights-
242--0.53227.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5371 - accuracy:
0.6667 - val_loss: 0.5323 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 243/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5584 - accuracy: 0.6875
Epoch 243: val_loss did not improve from 0.53227
11/11 [=====] - 0s 9ms/step - loss: 0.5385 - accuracy: 0.
6178 - val_loss: 0.5377 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 244/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5103 - accuracy: 0.6562
Epoch 244: val_loss did not improve from 0.53227
11/11 [=====] - 0s 8ms/step - loss: 0.5394 - accuracy: 0.
6667 - val_loss: 0.5343 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 245/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5947 - accuracy: 0.5625
Epoch 245: val_loss did not improve from 0.53227
11/11 [=====] - 0s 10ms/step - loss: 0.5367 - accuracy:
0.6322 - val_loss: 0.5324 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 246/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4984 - accuracy: 0.6562
Epoch 246: val_loss did not improve from 0.53227
11/11 [=====] - 0s 9ms/step - loss: 0.5354 - accuracy: 0.
6609 - val_loss: 0.5380 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 247/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5195 - accuracy: 0.6562
Epoch 247: val_loss did not improve from 0.53227
11/11 [=====] - 0s 10ms/step - loss: 0.5324 - accuracy:
0.6293 - val_loss: 0.5398 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 248/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5771 - accuracy: 0.5625
Epoch 248: val_loss did not improve from 0.53227
11/11 [=====] - 0s 9ms/step - loss: 0.5356 - accuracy: 0.
6552 - val_loss: 0.5353 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 249/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5729 - accuracy: 0.5938
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Epoch 249: val_loss did not improve from 0.53227
11/11 [=====] - 0s 10ms/step - loss: 0.5353 - accuracy: 0.6322 - val_loss: 0.5406 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 250/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4942 - accuracy: 0.6250
Epoch 250: val_loss improved from 0.53227 to 0.52814, saving model to tmp/Weights-250--0.52814.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5347 - accuracy: 0.6724 - val_loss: 0.5281 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 251/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5392 - accuracy: 0.6031
Epoch 251: val_loss did not improve from 0.52814
11/11 [=====] - 0s 11ms/step - loss: 0.5350 - accuracy: 0.6092 - val_loss: 0.5456 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 252/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5602 - accuracy: 0.6250
Epoch 252: val_loss improved from 0.52814 to 0.52520, saving model to tmp/Weights-252--0.52520.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5382 - accuracy: 0.6523 - val_loss: 0.5252 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 253/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5355 - accuracy: 0.6875
Epoch 253: val_loss did not improve from 0.52520
11/11 [=====] - 0s 9ms/step - loss: 0.5370 - accuracy: 0.6379 - val_loss: 0.5449 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 254/1000
11/11 [=====] - ETA: 0s - loss: 0.5359 - accuracy: 0.6494
Epoch 254: val_loss did not improve from 0.52520
11/11 [=====] - 0s 10ms/step - loss: 0.5359 - accuracy: 0.6494 - val_loss: 0.5378 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 255/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4609 - accuracy: 0.7500
Epoch 255: val_loss did not improve from 0.52520
11/11 [=====] - 0s 9ms/step - loss: 0.5339 - accuracy: 0.6552 - val_loss: 0.5388 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 256/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4767 - accuracy: 0.7500
Epoch 256: val_loss did not improve from 0.52520
11/11 [=====] - 0s 9ms/step - loss: 0.5328 - accuracy: 0.6580 - val_loss: 0.5353 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 257/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4648 - accuracy: 0.7500
Epoch 257: val_loss did not improve from 0.52520
11/11 [=====] - 0s 10ms/step - loss: 0.5338 - accuracy: 0.6609 - val_loss: 0.5362 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 258/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5830 - accuracy: 0.5938
Epoch 258: val_loss did not improve from 0.52520
11/11 [=====] - 0s 9ms/step - loss: 0.5340 - accuracy: 0.6523 - val_loss: 0.5490 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 259/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5401 - accuracy: 0.5625
Epoch 259: val_loss did not improve from 0.52520
11/11 [=====] - 0s 8ms/step - loss: 0.5339 - accuracy: 0.6552 - val_loss: 0.5412 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 260/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4080 - accuracy: 0.8750
Epoch 260: val_loss did not improve from 0.52520
11/11 [=====] - 0s 9ms/step - loss: 0.5354 - accuracy: 0.6552 - val_loss: 0.5625 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 261/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5313 - accuracy: 0.6875
Epoch 261: val_loss did not improve from 0.52520
11/11 [=====] - 0s 9ms/step - loss: 0.5344 - accuracy: 0.
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6609 - val_loss: 0.5314 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 262/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6197 - accuracy: 0.6250
Epoch 262: val_loss did not improve from 0.52520
11/11 [=====] - 0s 9ms/step - loss: 0.5310 - accuracy: 0.
6552 - val_loss: 0.5381 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 263/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6060 - accuracy: 0.5312
Epoch 263: val_loss did not improve from 0.52520
11/11 [=====] - 0s 9ms/step - loss: 0.5316 - accuracy: 0.
6552 - val_loss: 0.5371 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 264/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5846 - accuracy: 0.6250
Epoch 264: val_loss did not improve from 0.52520
11/11 [=====] - 0s 9ms/step - loss: 0.5400 - accuracy: 0.
6523 - val_loss: 0.5455 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 265/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5770 - accuracy: 0.6875
Epoch 265: val_loss did not improve from 0.52520
11/11 [=====] - 0s 9ms/step - loss: 0.5367 - accuracy: 0.
6523 - val_loss: 0.5476 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 266/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4452 - accuracy: 0.7500
Epoch 266: val_loss did not improve from 0.52520
11/11 [=====] - 0s 9ms/step - loss: 0.5319 - accuracy: 0.
6523 - val_loss: 0.5377 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 267/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3609 - accuracy: 0.8125
Epoch 267: val_loss did not improve from 0.52520
11/11 [=====] - 0s 9ms/step - loss: 0.5313 - accuracy: 0.
6609 - val_loss: 0.5402 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 268/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5299 - accuracy: 0.6562
Epoch 268: val_loss did not improve from 0.52520
11/11 [=====] - 0s 8ms/step - loss: 0.5334 - accuracy: 0.
6379 - val_loss: 0.5552 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 269/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4628 - accuracy: 0.5312
Epoch 269: val_loss did not improve from 0.52520
11/11 [=====] - 0s 8ms/step - loss: 0.5362 - accuracy: 0.
6552 - val_loss: 0.5395 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 270/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3953 - accuracy: 0.6250
Epoch 270: val_loss did not improve from 0.52520
11/11 [=====] - 0s 9ms/step - loss: 0.5323 - accuracy: 0.
6580 - val_loss: 0.5428 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 271/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5085 - accuracy: 0.6875
Epoch 271: val_loss did not improve from 0.52520
11/11 [=====] - 0s 8ms/step - loss: 0.5295 - accuracy: 0.
6638 - val_loss: 0.5363 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 272/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5274 - accuracy: 0.6562
Epoch 272: val_loss did not improve from 0.52520
11/11 [=====] - 0s 9ms/step - loss: 0.5324 - accuracy: 0.
6724 - val_loss: 0.5448 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 273/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5075 - accuracy: 0.7500
Epoch 273: val_loss did not improve from 0.52520
11/11 [=====] - 0s 9ms/step - loss: 0.5307 - accuracy: 0.
6523 - val_loss: 0.5317 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 274/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5699 - accuracy: 0.5938
Epoch 274: val_loss did not improve from 0.52520
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11/11 [=====] - 0s 9ms/step - loss: 0.5305 - accuracy: 0.  
6609 - val_loss: 0.5421 - val_accuracy: 0.5933 - lr: 0.0090  
Epoch 275/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4953 - accuracy: 0.7188  
Epoch 275: val_loss did not improve from 0.52520  
11/11 [=====] - 0s 8ms/step - loss: 0.5295 - accuracy: 0.  
6552 - val_loss: 0.5301 - val_accuracy: 0.6267 - lr: 0.0090  
Epoch 276/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5917 - accuracy: 0.5625  
Epoch 276: val_loss did not improve from 0.52520  
11/11 [=====] - 0s 8ms/step - loss: 0.5323 - accuracy: 0.  
6580 - val_loss: 0.5305 - val_accuracy: 0.6200 - lr: 0.0090  
Epoch 277/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5006 - accuracy: 0.6875  
Epoch 277: val_loss did not improve from 0.52520  
11/11 [=====] - 0s 8ms/step - loss: 0.5295 - accuracy: 0.  
6494 - val_loss: 0.5452 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 278/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5168 - accuracy: 0.6875  
Epoch 278: val_loss did not improve from 0.52520  
11/11 [=====] - 0s 10ms/step - loss: 0.5301 - accuracy:  
0.6523 - val_loss: 0.5459 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 279/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5671 - accuracy: 0.6250  
Epoch 279: val_loss did not improve from 0.52520  
11/11 [=====] - 0s 9ms/step - loss: 0.5304 - accuracy: 0.  
6638 - val_loss: 0.5425 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 280/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5311 - accuracy: 0.6875  
Epoch 280: val_loss did not improve from 0.52520  
11/11 [=====] - 0s 9ms/step - loss: 0.5325 - accuracy: 0.  
6523 - val_loss: 0.5335 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 281/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5131 - accuracy: 0.6562  
Epoch 281: val_loss did not improve from 0.52520  
11/11 [=====] - 0s 9ms/step - loss: 0.5305 - accuracy: 0.  
6609 - val_loss: 0.5338 - val_accuracy: 0.6267 - lr: 0.0090  
Epoch 282/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4868 - accuracy: 0.7188  
Epoch 282: val_loss did not improve from 0.52520  
11/11 [=====] - 0s 10ms/step - loss: 0.5285 - accuracy:  
0.6580 - val_loss: 0.5440 - val_accuracy: 0.6200 - lr: 0.0090  
Epoch 283/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5004 - accuracy: 0.7188  
Epoch 283: val_loss did not improve from 0.52520  
11/11 [=====] - 0s 9ms/step - loss: 0.5303 - accuracy: 0.  
6552 - val_loss: 0.5334 - val_accuracy: 0.6267 - lr: 0.0090  
Epoch 284/1000  
11/11 [=====] - ETA: 0s - loss: 0.5276 - accuracy: 0.6638  
Epoch 284: val_loss did not improve from 0.52520  
11/11 [=====] - 0s 11ms/step - loss: 0.5276 - accuracy:  
0.6638 - val_loss: 0.5327 - val_accuracy: 0.6267 - lr: 0.0090  
Epoch 285/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5528 - accuracy: 0.6562  
Epoch 285: val_loss did not improve from 0.52520  
11/11 [=====] - 0s 8ms/step - loss: 0.5281 - accuracy: 0.  
6667 - val_loss: 0.5341 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 286/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5009 - accuracy: 0.6250  
Epoch 286: val_loss did not improve from 0.52520  
11/11 [=====] - 0s 9ms/step - loss: 0.5287 - accuracy: 0.  
6552 - val_loss: 0.5453 - val_accuracy: 0.6333 - lr: 0.0090  
Epoch 287/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5735 - accuracy: 0.5312
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Epoch 287: val_loss did not improve from 0.52520
11/11 [=====] - 0s 9ms/step - loss: 0.5328 - accuracy: 0.
6552 - val_loss: 0.5258 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 288/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5286 - accuracy: 0.6625
Epoch 288: val_loss did not improve from 0.52520
11/11 [=====] - 0s 12ms/step - loss: 0.5278 - accuracy:
0.6667 - val_loss: 0.5394 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 289/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5227 - accuracy: 0.6562
Epoch 289: val_loss did not improve from 0.52520
11/11 [=====] - 0s 9ms/step - loss: 0.5258 - accuracy: 0.
6552 - val_loss: 0.5426 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 290/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5257 - accuracy: 0.7812
Epoch 290: val_loss did not improve from 0.52520
11/11 [=====] - 0s 9ms/step - loss: 0.5289 - accuracy: 0.
6695 - val_loss: 0.5343 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 291/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5373 - accuracy: 0.6875
Epoch 291: val_loss did not improve from 0.52520
11/11 [=====] - 0s 10ms/step - loss: 0.5283 - accuracy:
0.6580 - val_loss: 0.5341 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 292/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5777 - accuracy: 0.5938
Epoch 292: val_loss did not improve from 0.52520
11/11 [=====] - 0s 9ms/step - loss: 0.5273 - accuracy: 0.
6580 - val_loss: 0.5258 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 293/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4139 - accuracy: 0.7812
Epoch 293: val_loss did not improve from 0.52520
11/11 [=====] - 0s 9ms/step - loss: 0.5283 - accuracy: 0.
6580 - val_loss: 0.5430 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 294/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5304 - accuracy: 0.6250
Epoch 294: val_loss did not improve from 0.52520
11/11 [=====] - 0s 9ms/step - loss: 0.5287 - accuracy: 0.
6552 - val_loss: 0.5344 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 295/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5119 - accuracy: 0.6562
Epoch 295: val_loss improved from 0.52520 to 0.52486, saving model to tmp/Weights-
295--0.52486.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5271 - accuracy:
0.6667 - val_loss: 0.5249 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 296/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4969 - accuracy: 0.7500
Epoch 296: val_loss did not improve from 0.52486
11/11 [=====] - 0s 9ms/step - loss: 0.5275 - accuracy: 0.
6609 - val_loss: 0.5411 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 297/1000
8/11 [=====>.....] - ETA: 0s - loss: 0.5096 - accuracy: 0.6875
Epoch 297: val_loss did not improve from 0.52486
11/11 [=====] - 0s 12ms/step - loss: 0.5263 - accuracy:
0.6580 - val_loss: 0.5312 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 298/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4222 - accuracy: 0.8750
Epoch 298: val_loss did not improve from 0.52486
11/11 [=====] - 0s 10ms/step - loss: 0.5278 - accuracy:
0.6724 - val_loss: 0.5496 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 299/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5210 - accuracy: 0.6250
Epoch 299: val_loss did not improve from 0.52486
11/11 [=====] - 0s 9ms/step - loss: 0.5277 - accuracy: 0.
6609 - val_loss: 0.5418 - val_accuracy: 0.5933 - lr: 0.0090
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Epoch 300/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5110 - accuracy: 0.6250
Epoch 300: val_loss did not improve from 0.52486
11/11 [=====] - 0s 9ms/step - loss: 0.5379 - accuracy: 0.
6293 - val_loss: 0.5494 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 301/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4781 - accuracy: 0.7188
Epoch 301: val_loss did not improve from 0.52486
11/11 [=====] - 0s 9ms/step - loss: 0.5500 - accuracy: 0.
6408 - val_loss: 0.5739 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 302/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6033 - accuracy: 0.5938
Epoch 302: val_loss did not improve from 0.52486
11/11 [=====] - 0s 8ms/step - loss: 0.5592 - accuracy: 0.
6494 - val_loss: 0.5501 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 303/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5559 - accuracy: 0.5938
Epoch 303: val_loss did not improve from 0.52486
11/11 [=====] - 0s 9ms/step - loss: 0.5437 - accuracy: 0.
6379 - val_loss: 0.5773 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 304/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5252 - accuracy: 0.5938
Epoch 304: val_loss did not improve from 0.52486
11/11 [=====] - 0s 9ms/step - loss: 0.5331 - accuracy: 0.
6609 - val_loss: 0.5443 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 305/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4532 - accuracy: 0.7500
Epoch 305: val_loss did not improve from 0.52486
11/11 [=====] - 0s 9ms/step - loss: 0.5307 - accuracy: 0.
6695 - val_loss: 0.5446 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 306/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6282 - accuracy: 0.6562
Epoch 306: val_loss did not improve from 0.52486
11/11 [=====] - 0s 8ms/step - loss: 0.5262 - accuracy: 0.
6638 - val_loss: 0.5368 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 307/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5208 - accuracy: 0.5938
Epoch 307: val_loss did not improve from 0.52486
11/11 [=====] - 0s 9ms/step - loss: 0.5261 - accuracy: 0.
6494 - val_loss: 0.5373 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 308/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5672 - accuracy: 0.6562
Epoch 308: val_loss did not improve from 0.52486
11/11 [=====] - 0s 8ms/step - loss: 0.5248 - accuracy: 0.
6667 - val_loss: 0.5428 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 309/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5881 - accuracy: 0.6250
Epoch 309: val_loss did not improve from 0.52486
11/11 [=====] - 0s 9ms/step - loss: 0.5280 - accuracy: 0.
6638 - val_loss: 0.5413 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 310/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4946 - accuracy: 0.6875
Epoch 310: val_loss did not improve from 0.52486
11/11 [=====] - 0s 9ms/step - loss: 0.5279 - accuracy: 0.
6609 - val_loss: 0.5322 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 311/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5682 - accuracy: 0.5938
Epoch 311: val_loss did not improve from 0.52486
11/11 [=====] - 0s 9ms/step - loss: 0.5243 - accuracy: 0.
6552 - val_loss: 0.5393 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 312/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5146 - accuracy: 0.6250
Epoch 312: val_loss did not improve from 0.52486
11/11 [=====] - 0s 9ms/step - loss: 0.5226 - accuracy: 0.
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6667 - val_loss: 0.5481 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 313/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5307 - accuracy: 0.6250
Epoch 313: val_loss did not improve from 0.52486
11/11 [=====] - 0s 9ms/step - loss: 0.5250 - accuracy: 0.
6523 - val_loss: 0.5376 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 314/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4950 - accuracy: 0.6875
Epoch 314: val_loss did not improve from 0.52486
11/11 [=====] - 0s 9ms/step - loss: 0.5280 - accuracy: 0.
6638 - val_loss: 0.5368 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 315/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5474 - accuracy: 0.7188
Epoch 315: val_loss did not improve from 0.52486
11/11 [=====] - 0s 9ms/step - loss: 0.5253 - accuracy: 0.
6494 - val_loss: 0.5435 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 316/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4858 - accuracy: 0.6250
Epoch 316: val_loss did not improve from 0.52486
11/11 [=====] - 0s 9ms/step - loss: 0.5246 - accuracy: 0.
6609 - val_loss: 0.5544 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 317/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4532 - accuracy: 0.7500
Epoch 317: val_loss did not improve from 0.52486
11/11 [=====] - 0s 10ms/step - loss: 0.5286 - accuracy: 0.
6552 - val_loss: 0.5395 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 318/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5260 - accuracy: 0.6875
Epoch 318: val_loss did not improve from 0.52486
11/11 [=====] - 0s 9ms/step - loss: 0.5249 - accuracy: 0.
6580 - val_loss: 0.5276 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 319/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4398 - accuracy: 0.7812
Epoch 319: val_loss did not improve from 0.52486
11/11 [=====] - 0s 8ms/step - loss: 0.5233 - accuracy: 0.
6638 - val_loss: 0.5352 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 320/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5793 - accuracy: 0.6250
Epoch 320: val_loss improved from 0.52486 to 0.52285, saving model to tmp/Weights-320--0.52285.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5283 - accuracy: 0.
6609 - val_loss: 0.5229 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 321/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5436 - accuracy: 0.5312
Epoch 321: val_loss did not improve from 0.52285
11/11 [=====] - 0s 9ms/step - loss: 0.5268 - accuracy: 0.
6609 - val_loss: 0.5351 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 322/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5943 - accuracy: 0.7188
Epoch 322: val_loss improved from 0.52285 to 0.52154, saving model to tmp/Weights-322--0.52154.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5243 - accuracy: 0.
6609 - val_loss: 0.5215 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 323/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4312 - accuracy: 0.7500
Epoch 323: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5237 - accuracy: 0.
6580 - val_loss: 0.5460 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 324/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5038 - accuracy: 0.6875
Epoch 324: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5241 - accuracy: 0.
6667 - val_loss: 0.5569 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 325/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5183 - accuracy: 0.6562
Epoch 325: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5293 - accuracy: 0.
6523 - val_loss: 0.5627 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 326/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5426 - accuracy: 0.6875
Epoch 326: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5275 - accuracy: 0.
6552 - val_loss: 0.5309 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 327/1000
11/11 [=====] - ETA: 0s - loss: 0.5261 - accuracy: 0.6667
Epoch 327: val_loss did not improve from 0.52154
11/11 [=====] - 0s 11ms/step - loss: 0.5261 - accuracy:
0.6667 - val_loss: 0.5326 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 328/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5181 - accuracy: 0.5938
Epoch 328: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5259 - accuracy: 0.
6695 - val_loss: 0.5569 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 329/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5735 - accuracy: 0.5938
Epoch 329: val_loss did not improve from 0.52154
11/11 [=====] - 0s 10ms/step - loss: 0.5283 - accuracy:
0.6523 - val_loss: 0.5332 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 330/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4214 - accuracy: 0.7500
Epoch 330: val_loss did not improve from 0.52154
11/11 [=====] - 0s 10ms/step - loss: 0.5231 - accuracy:
0.6753 - val_loss: 0.5363 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 331/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5026 - accuracy: 0.6562
Epoch 331: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5235 - accuracy: 0.
6695 - val_loss: 0.5345 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 332/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5274 - accuracy: 0.7812
Epoch 332: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5229 - accuracy: 0.
6638 - val_loss: 0.5315 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 333/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6134 - accuracy: 0.5000
Epoch 333: val_loss did not improve from 0.52154
11/11 [=====] - 0s 10ms/step - loss: 0.5246 - accuracy:
0.6609 - val_loss: 0.5314 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 334/1000
11/11 [=====] - ETA: 0s - loss: 0.5229 - accuracy: 0.6667
Epoch 334: val_loss did not improve from 0.52154
11/11 [=====] - 0s 10ms/step - loss: 0.5229 - accuracy:
0.6667 - val_loss: 0.5373 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 335/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5220 - accuracy: 0.6875
Epoch 335: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5223 - accuracy: 0.
6695 - val_loss: 0.5259 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 336/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4469 - accuracy: 0.7500
Epoch 336: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5266 - accuracy: 0.
6580 - val_loss: 0.5519 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 337/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5950 - accuracy: 0.6875
Epoch 337: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5375 - accuracy: 0.
6523 - val_loss: 0.5434 - val_accuracy: 0.5933 - lr: 0.0090
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Epoch 338/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5922 - accuracy: 0.6250
Epoch 338: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5232 - accuracy: 0.
6523 - val_loss: 0.5350 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 339/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4797 - accuracy: 0.6250
Epoch 339: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5244 - accuracy: 0.
6638 - val_loss: 0.5374 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 340/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5737 - accuracy: 0.6875
Epoch 340: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5239 - accuracy: 0.
6695 - val_loss: 0.5340 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 341/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4679 - accuracy: 0.7188
Epoch 341: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5211 - accuracy: 0.
6466 - val_loss: 0.5298 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 342/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4665 - accuracy: 0.6875
Epoch 342: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5237 - accuracy: 0.
6753 - val_loss: 0.5315 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 343/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4410 - accuracy: 0.7188
Epoch 343: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5221 - accuracy: 0.
6523 - val_loss: 0.5293 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 344/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5113 - accuracy: 0.6875
Epoch 344: val_loss did not improve from 0.52154
11/11 [=====] - 0s 8ms/step - loss: 0.5220 - accuracy: 0.
6552 - val_loss: 0.5250 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 345/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4837 - accuracy: 0.6562
Epoch 345: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5220 - accuracy: 0.
6695 - val_loss: 0.5305 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 346/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5723 - accuracy: 0.5938
Epoch 346: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5210 - accuracy: 0.
6695 - val_loss: 0.5270 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 347/1000
11/11 [=====] - ETA: 0s - loss: 0.5203 - accuracy: 0.6638
Epoch 347: val_loss did not improve from 0.52154
11/11 [=====] - 0s 10ms/step - loss: 0.5203 - accuracy:
0.6638 - val_loss: 0.5301 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 348/1000
11/11 [=====] - ETA: 0s - loss: 0.5223 - accuracy: 0.6695
Epoch 348: val_loss did not improve from 0.52154
11/11 [=====] - 0s 11ms/step - loss: 0.5223 - accuracy:
0.6695 - val_loss: 0.5242 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 349/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5444 - accuracy: 0.6875
Epoch 349: val_loss did not improve from 0.52154
11/11 [=====] - 0s 10ms/step - loss: 0.5227 - accuracy:
0.6494 - val_loss: 0.5523 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 350/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4449 - accuracy: 0.7500
Epoch 350: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5229 - accuracy: 0.
```

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6695 - val_loss: 0.5323 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 351/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5984 - accuracy: 0.5000
Epoch 351: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5233 - accuracy: 0.
6609 - val_loss: 0.5318 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 352/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4431 - accuracy: 0.7500
Epoch 352: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5215 - accuracy: 0.
6753 - val_loss: 0.5269 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 353/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4457 - accuracy: 0.8125
Epoch 353: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5234 - accuracy: 0.
6724 - val_loss: 0.5339 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 354/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4721 - accuracy: 0.7188
Epoch 354: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5228 - accuracy: 0.
6667 - val_loss: 0.5345 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 355/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5499 - accuracy: 0.6562
Epoch 355: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5236 - accuracy: 0.
6638 - val_loss: 0.5371 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 356/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4808 - accuracy: 0.7188
Epoch 356: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5266 - accuracy: 0.
6523 - val_loss: 0.5245 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 357/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5041 - accuracy: 0.7188
Epoch 357: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5218 - accuracy: 0.
6695 - val_loss: 0.5268 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 358/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5352 - accuracy: 0.6875
Epoch 358: val_loss did not improve from 0.52154
11/11 [=====] - 0s 8ms/step - loss: 0.5216 - accuracy: 0.
6638 - val_loss: 0.5274 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 359/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4893 - accuracy: 0.6250
Epoch 359: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5217 - accuracy: 0.
6667 - val_loss: 0.5243 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 360/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5510 - accuracy: 0.7500
Epoch 360: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5235 - accuracy: 0.
6552 - val_loss: 0.5412 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 361/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5923 - accuracy: 0.6250
Epoch 361: val_loss did not improve from 0.52154
11/11 [=====] - 0s 8ms/step - loss: 0.5282 - accuracy: 0.
6523 - val_loss: 0.5243 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 362/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5956 - accuracy: 0.5938
Epoch 362: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5269 - accuracy: 0.
6638 - val_loss: 0.5242 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 363/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6037 - accuracy: 0.5000
Epoch 363: val_loss did not improve from 0.52154
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11/11 [=====] - 0s 9ms/step - loss: 0.5203 - accuracy: 0.  
6638 - val_loss: 0.5508 - val_accuracy: 0.5800 - lr: 0.0090  
Epoch 364/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6074 - accuracy: 0.5625  
Epoch 364: val_loss did not improve from 0.52154  
11/11 [=====] - 0s 9ms/step - loss: 0.5294 - accuracy: 0.  
6523 - val_loss: 0.5256 - val_accuracy: 0.6200 - lr: 0.0090  
Epoch 365/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4989 - accuracy: 0.6562  
Epoch 365: val_loss did not improve from 0.52154  
11/11 [=====] - 0s 9ms/step - loss: 0.5280 - accuracy: 0.  
6494 - val_loss: 0.5326 - val_accuracy: 0.6267 - lr: 0.0090  
Epoch 366/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5469 - accuracy: 0.6875  
Epoch 366: val_loss did not improve from 0.52154  
11/11 [=====] - 0s 10ms/step - loss: 0.5645 - accuracy:  
0.6408 - val_loss: 0.5592 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 367/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5294 - accuracy: 0.7188  
Epoch 367: val_loss did not improve from 0.52154  
11/11 [=====] - 0s 9ms/step - loss: 0.5383 - accuracy: 0.  
6580 - val_loss: 0.5442 - val_accuracy: 0.5933 - lr: 0.0090  
Epoch 368/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5162 - accuracy: 0.5938  
Epoch 368: val_loss did not improve from 0.52154  
11/11 [=====] - 0s 9ms/step - loss: 0.5264 - accuracy: 0.  
6580 - val_loss: 0.5298 - val_accuracy: 0.6333 - lr: 0.0090  
Epoch 369/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5294 - accuracy: 0.7188  
Epoch 369: val_loss did not improve from 0.52154  
11/11 [=====] - 0s 8ms/step - loss: 0.5212 - accuracy: 0.  
6638 - val_loss: 0.5372 - val_accuracy: 0.6333 - lr: 0.0090  
Epoch 370/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4911 - accuracy: 0.5938  
Epoch 370: val_loss did not improve from 0.52154  
11/11 [=====] - 0s 8ms/step - loss: 0.5212 - accuracy: 0.  
6609 - val_loss: 0.5250 - val_accuracy: 0.6400 - lr: 0.0090  
Epoch 371/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4697 - accuracy: 0.7812  
Epoch 371: val_loss did not improve from 0.52154  
11/11 [=====] - 0s 8ms/step - loss: 0.5202 - accuracy: 0.  
6638 - val_loss: 0.5260 - val_accuracy: 0.6333 - lr: 0.0090  
Epoch 372/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4588 - accuracy: 0.6875  
Epoch 372: val_loss did not improve from 0.52154  
  
Epoch 372: ReduceLROnPlateau reducing learning rate to 0.006299999728798866.  
11/11 [=====] - 0s 9ms/step - loss: 0.5186 - accuracy: 0.  
6667 - val_loss: 0.5348 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 373/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5393 - accuracy: 0.6875  
Epoch 373: val_loss did not improve from 0.52154  
11/11 [=====] - 0s 9ms/step - loss: 0.5214 - accuracy: 0.  
6667 - val_loss: 0.5239 - val_accuracy: 0.6400 - lr: 0.0063  
Epoch 374/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4780 - accuracy: 0.6875  
Epoch 374: val_loss did not improve from 0.52154  
11/11 [=====] - 0s 14ms/step - loss: 0.5184 - accuracy:  
0.6724 - val_loss: 0.5314 - val_accuracy: 0.6133 - lr: 0.0063  
Epoch 375/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5410 - accuracy: 0.5000  
Epoch 375: val_loss did not improve from 0.52154  
11/11 [=====] - 0s 9ms/step - loss: 0.5206 - accuracy: 0.  
6580 - val_loss: 0.5320 - val_accuracy: 0.6333 - lr: 0.0063
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Epoch 376/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5414 - accuracy: 0.6562
Epoch 376: val_loss did not improve from 0.52154
11/11 [=====] - 0s 10ms/step - loss: 0.5197 - accuracy: 0.6667 - val_loss: 0.5236 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 377/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5167 - accuracy: 0.5625
Epoch 377: val_loss did not improve from 0.52154
11/11 [=====] - 0s 8ms/step - loss: 0.5196 - accuracy: 0.6695 - val_loss: 0.5257 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 378/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5005 - accuracy: 0.6250
Epoch 378: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5195 - accuracy: 0.6638 - val_loss: 0.5314 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 379/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5830 - accuracy: 0.6250
Epoch 379: val_loss did not improve from 0.52154
11/11 [=====] - 0s 8ms/step - loss: 0.5191 - accuracy: 0.6724 - val_loss: 0.5246 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 380/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5239 - accuracy: 0.6250
Epoch 380: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5173 - accuracy: 0.6695 - val_loss: 0.5245 - val_accuracy: 0.6400 - lr: 0.0063
Epoch 381/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6121 - accuracy: 0.5312
Epoch 381: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5207 - accuracy: 0.6695 - val_loss: 0.5286 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 382/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5846 - accuracy: 0.5625
Epoch 382: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5179 - accuracy: 0.6695 - val_loss: 0.5264 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 383/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5219 - accuracy: 0.6875
Epoch 383: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5244 - accuracy: 0.6466 - val_loss: 0.5313 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 384/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5003 - accuracy: 0.6562
Epoch 384: val_loss did not improve from 0.52154
11/11 [=====] - 0s 9ms/step - loss: 0.5224 - accuracy: 0.6667 - val_loss: 0.5242 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 385/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5346 - accuracy: 0.6562
Epoch 385: val_loss improved from 0.52154 to 0.51963, saving model to tmp/Weights-385--0.51963.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5202 - accuracy: 0.6724 - val_loss: 0.5196 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 386/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5067 - accuracy: 0.7188
Epoch 386: val_loss did not improve from 0.51963
11/11 [=====] - 0s 9ms/step - loss: 0.5193 - accuracy: 0.6638 - val_loss: 0.5272 - val_accuracy: 0.6400 - lr: 0.0063
Epoch 387/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4286 - accuracy: 0.7188
Epoch 387: val_loss did not improve from 0.51963
11/11 [=====] - 0s 9ms/step - loss: 0.5184 - accuracy: 0.6724 - val_loss: 0.5363 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 388/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5953 - accuracy: 0.5938
Epoch 388: val_loss did not improve from 0.51963
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11/11 [=====] - 0s 9ms/step - loss: 0.5194 - accuracy: 0.  
6695 - val_loss: 0.5224 - val_accuracy: 0.6333 - lr: 0.0063  
Epoch 389/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6056 - accuracy: 0.6250  
Epoch 389: val_loss did not improve from 0.51963  
11/11 [=====] - 0s 9ms/step - loss: 0.5189 - accuracy: 0.  
6609 - val_loss: 0.5205 - val_accuracy: 0.6400 - lr: 0.0063  
Epoch 390/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4061 - accuracy: 0.6562  
Epoch 390: val_loss improved from 0.51963 to 0.51934, saving model to tmp/Weights-  
390--0.51934.hdf5  
11/11 [=====] - 0s 10ms/step - loss: 0.5196 - accuracy:  
0.6695 - val_loss: 0.5193 - val_accuracy: 0.6333 - lr: 0.0063  
Epoch 391/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5466 - accuracy: 0.5625  
Epoch 391: val_loss did not improve from 0.51934  
11/11 [=====] - 0s 9ms/step - loss: 0.5182 - accuracy: 0.  
6667 - val_loss: 0.5268 - val_accuracy: 0.6267 - lr: 0.0063  
Epoch 392/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5318 - accuracy: 0.6875  
Epoch 392: val_loss did not improve from 0.51934  
11/11 [=====] - 0s 9ms/step - loss: 0.5179 - accuracy: 0.  
6667 - val_loss: 0.5255 - val_accuracy: 0.6400 - lr: 0.0063  
Epoch 393/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5137 - accuracy: 0.6875  
Epoch 393: val_loss improved from 0.51934 to 0.51894, saving model to tmp/Weights-  
393--0.51894.hdf5  
11/11 [=====] - 0s 11ms/step - loss: 0.5186 - accuracy:  
0.6724 - val_loss: 0.5189 - val_accuracy: 0.6333 - lr: 0.0063  
Epoch 394/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5307 - accuracy: 0.6562  
Epoch 394: val_loss did not improve from 0.51894  
11/11 [=====] - 0s 10ms/step - loss: 0.5193 - accuracy:  
0.6638 - val_loss: 0.5247 - val_accuracy: 0.6200 - lr: 0.0063  
Epoch 395/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4615 - accuracy: 0.6875  
Epoch 395: val_loss did not improve from 0.51894  
11/11 [=====] - 0s 10ms/step - loss: 0.5190 - accuracy:  
0.6609 - val_loss: 0.5204 - val_accuracy: 0.6267 - lr: 0.0063  
Epoch 396/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4407 - accuracy: 0.7812  
Epoch 396: val_loss did not improve from 0.51894  
11/11 [=====] - 0s 9ms/step - loss: 0.5179 - accuracy: 0.  
6724 - val_loss: 0.5205 - val_accuracy: 0.6333 - lr: 0.0063  
Epoch 397/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4983 - accuracy: 0.5938  
Epoch 397: val_loss did not improve from 0.51894  
11/11 [=====] - 0s 9ms/step - loss: 0.5180 - accuracy: 0.  
6667 - val_loss: 0.5236 - val_accuracy: 0.6333 - lr: 0.0063  
Epoch 398/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5682 - accuracy: 0.6562  
Epoch 398: val_loss did not improve from 0.51894  
11/11 [=====] - 0s 9ms/step - loss: 0.5175 - accuracy: 0.  
6724 - val_loss: 0.5320 - val_accuracy: 0.6333 - lr: 0.0063  
Epoch 399/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5201 - accuracy: 0.7500  
Epoch 399: val_loss did not improve from 0.51894  
11/11 [=====] - 0s 8ms/step - loss: 0.5185 - accuracy: 0.  
6724 - val_loss: 0.5269 - val_accuracy: 0.6333 - lr: 0.0063  
Epoch 400/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5828 - accuracy: 0.6875  
Epoch 400: val_loss did not improve from 0.51894  
11/11 [=====] - 0s 9ms/step - loss: 0.5178 - accuracy: 0.  
6667 - val_loss: 0.5256 - val_accuracy: 0.6467 - lr: 0.0063
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Epoch 401/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5024 - accuracy: 0.6562
Epoch 401: val_loss did not improve from 0.51894
11/11 [=====] - 0s 9ms/step - loss: 0.5211 - accuracy: 0.
6724 - val_loss: 0.5301 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 402/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4344 - accuracy: 0.7812
Epoch 402: val_loss did not improve from 0.51894
11/11 [=====] - 0s 9ms/step - loss: 0.5176 - accuracy: 0.
6724 - val_loss: 0.5218 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 403/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5363 - accuracy: 0.5625
Epoch 403: val_loss did not improve from 0.51894
11/11 [=====] - 0s 8ms/step - loss: 0.5178 - accuracy: 0.
6638 - val_loss: 0.5191 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 404/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6276 - accuracy: 0.6250
Epoch 404: val_loss did not improve from 0.51894
11/11 [=====] - 0s 9ms/step - loss: 0.5197 - accuracy: 0.
6695 - val_loss: 0.5193 - val_accuracy: 0.6400 - lr: 0.0063
Epoch 405/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5929 - accuracy: 0.5938
Epoch 405: val_loss did not improve from 0.51894
11/11 [=====] - 0s 9ms/step - loss: 0.5172 - accuracy: 0.
6724 - val_loss: 0.5225 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 406/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5760 - accuracy: 0.5312
Epoch 406: val_loss did not improve from 0.51894
11/11 [=====] - 0s 9ms/step - loss: 0.5165 - accuracy: 0.
6724 - val_loss: 0.5234 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 407/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5179 - accuracy: 0.6656
Epoch 407: val_loss did not improve from 0.51894
11/11 [=====] - 0s 11ms/step - loss: 0.5183 - accuracy: 0.
6609 - val_loss: 0.5244 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 408/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5810 - accuracy: 0.5938
Epoch 408: val_loss did not improve from 0.51894
11/11 [=====] - 0s 9ms/step - loss: 0.5212 - accuracy: 0.
6667 - val_loss: 0.5279 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 409/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6088 - accuracy: 0.5938
Epoch 409: val_loss did not improve from 0.51894
11/11 [=====] - 0s 10ms/step - loss: 0.5185 - accuracy: 0.
6753 - val_loss: 0.5212 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 410/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5243 - accuracy: 0.7500
Epoch 410: val_loss did not improve from 0.51894
11/11 [=====] - 0s 9ms/step - loss: 0.5187 - accuracy: 0.
6609 - val_loss: 0.5337 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 411/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5753 - accuracy: 0.6875
Epoch 411: val_loss did not improve from 0.51894
11/11 [=====] - 0s 9ms/step - loss: 0.5230 - accuracy: 0.
6667 - val_loss: 0.5264 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 412/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4867 - accuracy: 0.6562
Epoch 412: val_loss did not improve from 0.51894
11/11 [=====] - 0s 9ms/step - loss: 0.5196 - accuracy: 0.
6724 - val_loss: 0.5311 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 413/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5201 - accuracy: 0.6625
Epoch 413: val_loss did not improve from 0.51894
11/11 [=====] - 0s 10ms/step - loss: 0.5187 - accuracy:
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0.6695 - val_loss: 0.5274 - val_accuracy: 0.6467 - lr: 0.0063
Epoch 414/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5092 - accuracy: 0.6875
Epoch 414: val_loss did not improve from 0.51894
11/11 [=====] - 0s 9ms/step - loss: 0.5188 - accuracy: 0.
6724 - val_loss: 0.5233 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 415/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5297 - accuracy: 0.7812
Epoch 415: val_loss did not improve from 0.51894
11/11 [=====] - 0s 9ms/step - loss: 0.5191 - accuracy: 0.
6724 - val_loss: 0.5275 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 416/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5480 - accuracy: 0.6250
Epoch 416: val_loss did not improve from 0.51894
11/11 [=====] - 0s 9ms/step - loss: 0.5202 - accuracy: 0.
6609 - val_loss: 0.5227 - val_accuracy: 0.6400 - lr: 0.0063
Epoch 417/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4980 - accuracy: 0.6875
Epoch 417: val_loss did not improve from 0.51894
11/11 [=====] - 0s 9ms/step - loss: 0.5212 - accuracy: 0.
6667 - val_loss: 0.5361 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 418/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4545 - accuracy: 0.7812
Epoch 418: val_loss did not improve from 0.51894
11/11 [=====] - 0s 9ms/step - loss: 0.5200 - accuracy: 0.
6667 - val_loss: 0.5246 - val_accuracy: 0.6467 - lr: 0.0063
Epoch 419/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4835 - accuracy: 0.7188
Epoch 419: val_loss did not improve from 0.51894
11/11 [=====] - 0s 8ms/step - loss: 0.5171 - accuracy: 0.
6724 - val_loss: 0.5197 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 420/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4677 - accuracy: 0.6562
Epoch 420: val_loss did not improve from 0.51894
11/11 [=====] - 0s 9ms/step - loss: 0.5175 - accuracy: 0.
6695 - val_loss: 0.5240 - val_accuracy: 0.6400 - lr: 0.0063
Epoch 421/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4830 - accuracy: 0.7500
Epoch 421: val_loss did not improve from 0.51894
11/11 [=====] - 0s 9ms/step - loss: 0.5174 - accuracy: 0.
6724 - val_loss: 0.5291 - val_accuracy: 0.6400 - lr: 0.0063
Epoch 422/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5986 - accuracy: 0.6250
Epoch 422: val_loss did not improve from 0.51894
11/11 [=====] - 0s 9ms/step - loss: 0.5160 - accuracy: 0.
6724 - val_loss: 0.5284 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 423/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4728 - accuracy: 0.6875
Epoch 423: val_loss did not improve from 0.51894
11/11 [=====] - 0s 9ms/step - loss: 0.5182 - accuracy: 0.
6609 - val_loss: 0.5234 - val_accuracy: 0.6467 - lr: 0.0063
Epoch 424/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4233 - accuracy: 0.7188
Epoch 424: val_loss did not improve from 0.51894
11/11 [=====] - 0s 9ms/step - loss: 0.5183 - accuracy: 0.
6695 - val_loss: 0.5234 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 425/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4217 - accuracy: 0.8438
Epoch 425: val_loss did not improve from 0.51894
11/11 [=====] - 0s 9ms/step - loss: 0.5182 - accuracy: 0.
6724 - val_loss: 0.5282 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 426/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4771 - accuracy: 0.8438
Epoch 426: val_loss did not improve from 0.51894
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11/11 [=====] - 0s 11ms/step - loss: 0.5181 - accuracy: 0.6695 - val_loss: 0.5253 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 427/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5270 - accuracy: 0.6875
Epoch 427: val_loss did not improve from 0.51894
11/11 [=====] - 0s 9ms/step - loss: 0.5167 - accuracy: 0.6724 - val_loss: 0.5204 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 428/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4459 - accuracy: 0.7812
Epoch 428: val_loss did not improve from 0.51894
11/11 [=====] - 0s 9ms/step - loss: 0.5166 - accuracy: 0.6724 - val_loss: 0.5246 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 429/1000
11/11 [=====] - ETA: 0s - loss: 0.5176 - accuracy: 0.6638
Epoch 429: val_loss did not improve from 0.51894
11/11 [=====] - 0s 11ms/step - loss: 0.5176 - accuracy: 0.6638 - val_loss: 0.5243 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 430/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4479 - accuracy: 0.7812
Epoch 430: val_loss did not improve from 0.51894
11/11 [=====] - 0s 9ms/step - loss: 0.5168 - accuracy: 0.6724 - val_loss: 0.5213 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 431/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4918 - accuracy: 0.6562
Epoch 431: val_loss did not improve from 0.51894
11/11 [=====] - 0s 8ms/step - loss: 0.5169 - accuracy: 0.6724 - val_loss: 0.5206 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 432/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5963 - accuracy: 0.5312
Epoch 432: val_loss did not improve from 0.51894
11/11 [=====] - 0s 9ms/step - loss: 0.5169 - accuracy: 0.6580 - val_loss: 0.5238 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 433/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4866 - accuracy: 0.6875
Epoch 433: val_loss did not improve from 0.51894
11/11 [=====] - 0s 9ms/step - loss: 0.5176 - accuracy: 0.6724 - val_loss: 0.5255 - val_accuracy: 0.6400 - lr: 0.0063
Epoch 434/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4800 - accuracy: 0.6562
Epoch 434: val_loss did not improve from 0.51894
11/11 [=====] - 0s 9ms/step - loss: 0.5165 - accuracy: 0.6724 - val_loss: 0.5200 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 435/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6392 - accuracy: 0.6250
Epoch 435: val_loss improved from 0.51894 to 0.51675, saving model to tmp/Weights-435--0.51675.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5163 - accuracy: 0.6724 - val_loss: 0.5168 - val_accuracy: 0.6400 - lr: 0.0063
Epoch 436/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5201 - accuracy: 0.6656
Epoch 436: val_loss did not improve from 0.51675
11/11 [=====] - 0s 11ms/step - loss: 0.5170 - accuracy: 0.6667 - val_loss: 0.5245 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 437/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4729 - accuracy: 0.7812
Epoch 437: val_loss did not improve from 0.51675
11/11 [=====] - 0s 9ms/step - loss: 0.5173 - accuracy: 0.6724 - val_loss: 0.5242 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 438/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5499 - accuracy: 0.6250
Epoch 438: val_loss did not improve from 0.51675
11/11 [=====] - 0s 9ms/step - loss: 0.5171 - accuracy: 0.6695 - val_loss: 0.5271 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 439/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.4761 - accuracy: 0.5938
Epoch 439: val_loss did not improve from 0.51675
11/11 [=====] - 0s 9ms/step - loss: 0.5162 - accuracy: 0.
6724 - val_loss: 0.5272 - val_accuracy: 0.6400 - lr: 0.0063
Epoch 440/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5737 - accuracy: 0.5938
Epoch 440: val_loss did not improve from 0.51675
11/11 [=====] - 0s 9ms/step - loss: 0.5164 - accuracy: 0.
6724 - val_loss: 0.5237 - val_accuracy: 0.6400 - lr: 0.0063
Epoch 441/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5512 - accuracy: 0.6875
Epoch 441: val_loss did not improve from 0.51675
11/11 [=====] - 0s 9ms/step - loss: 0.5157 - accuracy: 0.
6724 - val_loss: 0.5196 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 442/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5310 - accuracy: 0.7188
Epoch 442: val_loss did not improve from 0.51675
11/11 [=====] - 0s 9ms/step - loss: 0.5164 - accuracy: 0.
6724 - val_loss: 0.5287 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 443/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3083 - accuracy: 0.7812
Epoch 443: val_loss did not improve from 0.51675
11/11 [=====] - 0s 9ms/step - loss: 0.5173 - accuracy: 0.
6724 - val_loss: 0.5245 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 444/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4998 - accuracy: 0.7188
Epoch 444: val_loss did not improve from 0.51675
11/11 [=====] - 0s 9ms/step - loss: 0.5165 - accuracy: 0.
6609 - val_loss: 0.5217 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 445/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5331 - accuracy: 0.7500
Epoch 445: val_loss did not improve from 0.51675
11/11 [=====] - 0s 10ms/step - loss: 0.5167 - accuracy: 0.
6695 - val_loss: 0.5192 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 446/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4998 - accuracy: 0.6250
Epoch 446: val_loss did not improve from 0.51675
11/11 [=====] - 0s 9ms/step - loss: 0.5171 - accuracy: 0.
6695 - val_loss: 0.5235 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 447/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4665 - accuracy: 0.6875
Epoch 447: val_loss did not improve from 0.51675
11/11 [=====] - 0s 8ms/step - loss: 0.5200 - accuracy: 0.
6695 - val_loss: 0.5283 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 448/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5335 - accuracy: 0.6562
Epoch 448: val_loss did not improve from 0.51675
11/11 [=====] - 0s 9ms/step - loss: 0.5237 - accuracy: 0.
6552 - val_loss: 0.5589 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 449/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4079 - accuracy: 0.7188
Epoch 449: val_loss did not improve from 0.51675
11/11 [=====] - 0s 9ms/step - loss: 0.5235 - accuracy: 0.
6552 - val_loss: 0.5354 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 450/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5095 - accuracy: 0.8438
Epoch 450: val_loss did not improve from 0.51675
11/11 [=====] - 0s 10ms/step - loss: 0.5200 - accuracy: 0.
6724 - val_loss: 0.5330 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 451/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5882 - accuracy: 0.5312
Epoch 451: val_loss did not improve from 0.51675
11/11 [=====] - 0s 8ms/step - loss: 0.5204 - accuracy: 0.
6667 - val_loss: 0.5237 - val_accuracy: 0.6267 - lr: 0.0063
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Epoch 452/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4920 - accuracy: 0.6875
Epoch 452: val_loss did not improve from 0.51675
11/11 [=====] - 0s 9ms/step - loss: 0.5225 - accuracy: 0.
6695 - val_loss: 0.5303 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 453/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5343 - accuracy: 0.5625
Epoch 453: val_loss did not improve from 0.51675
11/11 [=====] - 0s 9ms/step - loss: 0.5190 - accuracy: 0.
6523 - val_loss: 0.5181 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 454/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4672 - accuracy: 0.7812
Epoch 454: val_loss improved from 0.51675 to 0.51387, saving model to tmp/Weights-
454--0.51387.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5184 - accuracy:
0.6695 - val_loss: 0.5139 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 455/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4115 - accuracy: 0.8438
Epoch 455: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5157 - accuracy: 0.
6724 - val_loss: 0.5210 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 456/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4677 - accuracy: 0.8750
Epoch 456: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5159 - accuracy: 0.
6667 - val_loss: 0.5330 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 457/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4852 - accuracy: 0.5000
Epoch 457: val_loss did not improve from 0.51387
11/11 [=====] - 0s 8ms/step - loss: 0.5163 - accuracy: 0.
6724 - val_loss: 0.5257 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 458/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5464 - accuracy: 0.6875
Epoch 458: val_loss did not improve from 0.51387
11/11 [=====] - 0s 8ms/step - loss: 0.5157 - accuracy: 0.
6695 - val_loss: 0.5267 - val_accuracy: 0.6400 - lr: 0.0063
Epoch 459/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4445 - accuracy: 0.7500
Epoch 459: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5157 - accuracy: 0.
6695 - val_loss: 0.5310 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 460/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4009 - accuracy: 0.8750
Epoch 460: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5161 - accuracy: 0.
6724 - val_loss: 0.5223 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 461/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4969 - accuracy: 0.7500
Epoch 461: val_loss did not improve from 0.51387
11/11 [=====] - 0s 8ms/step - loss: 0.5155 - accuracy: 0.
6724 - val_loss: 0.5274 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 462/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6526 - accuracy: 0.4062
Epoch 462: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5156 - accuracy: 0.
6638 - val_loss: 0.5228 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 463/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5518 - accuracy: 0.6250
Epoch 463: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5156 - accuracy: 0.
6724 - val_loss: 0.5293 - val_accuracy: 0.6400 - lr: 0.0063
Epoch 464/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5471 - accuracy: 0.7188
Epoch 464: val_loss did not improve from 0.51387
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11/11 [=====] - 0s 8ms/step - loss: 0.5152 - accuracy: 0.  
6724 - val_loss: 0.5305 - val_accuracy: 0.6267 - lr: 0.0063  
Epoch 465/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4645 - accuracy: 0.7188  
Epoch 465: val_loss did not improve from 0.51387  
11/11 [=====] - 0s 9ms/step - loss: 0.5146 - accuracy: 0.  
6724 - val_loss: 0.5284 - val_accuracy: 0.6333 - lr: 0.0063  
Epoch 466/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5483 - accuracy: 0.6250  
Epoch 466: val_loss did not improve from 0.51387  
11/11 [=====] - 0s 9ms/step - loss: 0.5162 - accuracy: 0.  
6695 - val_loss: 0.5280 - val_accuracy: 0.6200 - lr: 0.0063  
Epoch 467/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5366 - accuracy: 0.6875  
Epoch 467: val_loss did not improve from 0.51387  
11/11 [=====] - 0s 9ms/step - loss: 0.5157 - accuracy: 0.  
6724 - val_loss: 0.5216 - val_accuracy: 0.6333 - lr: 0.0063  
Epoch 468/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5681 - accuracy: 0.6875  
Epoch 468: val_loss did not improve from 0.51387  
11/11 [=====] - 0s 8ms/step - loss: 0.5153 - accuracy: 0.  
6638 - val_loss: 0.5252 - val_accuracy: 0.6267 - lr: 0.0063  
Epoch 469/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4681 - accuracy: 0.7812  
Epoch 469: val_loss did not improve from 0.51387  
11/11 [=====] - 0s 9ms/step - loss: 0.5151 - accuracy: 0.  
6753 - val_loss: 0.5242 - val_accuracy: 0.6267 - lr: 0.0063  
Epoch 470/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6154 - accuracy: 0.6875  
Epoch 470: val_loss did not improve from 0.51387  
11/11 [=====] - 0s 9ms/step - loss: 0.5144 - accuracy: 0.  
6724 - val_loss: 0.5247 - val_accuracy: 0.6333 - lr: 0.0063  
Epoch 471/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5779 - accuracy: 0.5312  
Epoch 471: val_loss did not improve from 0.51387  
11/11 [=====] - 0s 9ms/step - loss: 0.5153 - accuracy: 0.  
6724 - val_loss: 0.5229 - val_accuracy: 0.6333 - lr: 0.0063  
Epoch 472/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5002 - accuracy: 0.6875  
Epoch 472: val_loss did not improve from 0.51387  
11/11 [=====] - 0s 9ms/step - loss: 0.5156 - accuracy: 0.  
6753 - val_loss: 0.5273 - val_accuracy: 0.6267 - lr: 0.0063  
Epoch 473/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5909 - accuracy: 0.6562  
Epoch 473: val_loss did not improve from 0.51387  
11/11 [=====] - 0s 9ms/step - loss: 0.5165 - accuracy: 0.  
6638 - val_loss: 0.5255 - val_accuracy: 0.6267 - lr: 0.0063  
Epoch 474/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5768 - accuracy: 0.6250  
Epoch 474: val_loss did not improve from 0.51387  
11/11 [=====] - 0s 9ms/step - loss: 0.5189 - accuracy: 0.  
6753 - val_loss: 0.5305 - val_accuracy: 0.6333 - lr: 0.0063  
Epoch 475/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4786 - accuracy: 0.7500  
Epoch 475: val_loss did not improve from 0.51387  
11/11 [=====] - 0s 8ms/step - loss: 0.5191 - accuracy: 0.  
6552 - val_loss: 0.5497 - val_accuracy: 0.6200 - lr: 0.0063  
Epoch 476/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5816 - accuracy: 0.7500  
Epoch 476: val_loss did not improve from 0.51387  
11/11 [=====] - 0s 8ms/step - loss: 0.5183 - accuracy: 0.  
6724 - val_loss: 0.5314 - val_accuracy: 0.6200 - lr: 0.0063  
Epoch 477/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5604 - accuracy: 0.6250
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Epoch 477: val_loss did not improve from 0.51387
11/11 [=====] - 0s 10ms/step - loss: 0.5218 - accuracy: 0.6609 - val_loss: 0.5498 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 478/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6135 - accuracy: 0.5000
Epoch 478: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5190 - accuracy: 0.6724 - val_loss: 0.5311 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 479/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5457 - accuracy: 0.5000
Epoch 479: val_loss did not improve from 0.51387
11/11 [=====] - 0s 8ms/step - loss: 0.5170 - accuracy: 0.6580 - val_loss: 0.5222 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 480/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4634 - accuracy: 0.6562
Epoch 480: val_loss did not improve from 0.51387
11/11 [=====] - 0s 8ms/step - loss: 0.5156 - accuracy: 0.6753 - val_loss: 0.5277 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 481/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5029 - accuracy: 0.6687
Epoch 481: val_loss did not improve from 0.51387
11/11 [=====] - 0s 11ms/step - loss: 0.5155 - accuracy: 0.6609 - val_loss: 0.5320 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 482/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4883 - accuracy: 0.7500
Epoch 482: val_loss did not improve from 0.51387
11/11 [=====] - 0s 8ms/step - loss: 0.5156 - accuracy: 0.6609 - val_loss: 0.5235 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 483/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5419 - accuracy: 0.6562
Epoch 483: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5156 - accuracy: 0.6753 - val_loss: 0.5248 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 484/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4783 - accuracy: 0.7188
Epoch 484: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5157 - accuracy: 0.6609 - val_loss: 0.5363 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 485/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5931 - accuracy: 0.6562
Epoch 485: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5231 - accuracy: 0.6724 - val_loss: 0.5352 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 486/1000
11/11 [=====] - ETA: 0s - loss: 0.5211 - accuracy: 0.6638
Epoch 486: val_loss did not improve from 0.51387
11/11 [=====] - 0s 14ms/step - loss: 0.5211 - accuracy: 0.6638 - val_loss: 0.5493 - val_accuracy: 0.6000 - lr: 0.0063
Epoch 487/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4896 - accuracy: 0.6562
Epoch 487: val_loss did not improve from 0.51387
11/11 [=====] - 0s 10ms/step - loss: 0.5241 - accuracy: 0.6667 - val_loss: 0.5199 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 488/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5526 - accuracy: 0.5312
Epoch 488: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5180 - accuracy: 0.6724 - val_loss: 0.5503 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 489/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4309 - accuracy: 0.7500
Epoch 489: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5179 - accuracy: 0.6667 - val_loss: 0.5504 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 490/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5908 - accuracy: 0.5625
Epoch 490: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5226 - accuracy: 0.
6695 - val_loss: 0.5281 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 491/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5611 - accuracy: 0.6562
Epoch 491: val_loss did not improve from 0.51387
11/11 [=====] - 0s 10ms/step - loss: 0.5203 - accuracy:
0.6695 - val_loss: 0.6144 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 492/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5151 - accuracy: 0.7188
Epoch 492: val_loss did not improve from 0.51387
11/11 [=====] - 0s 10ms/step - loss: 0.5203 - accuracy:
0.6609 - val_loss: 0.5223 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 493/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5213 - accuracy: 0.7188
Epoch 493: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5193 - accuracy: 0.
6638 - val_loss: 0.5487 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 494/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4811 - accuracy: 0.6875
Epoch 494: val_loss did not improve from 0.51387
11/11 [=====] - 0s 10ms/step - loss: 0.5262 - accuracy:
0.6523 - val_loss: 0.5384 - val_accuracy: 0.5800 - lr: 0.0063
Epoch 495/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5632 - accuracy: 0.6250
Epoch 495: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5213 - accuracy: 0.
6609 - val_loss: 0.5494 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 496/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4976 - accuracy: 0.6250
Epoch 496: val_loss did not improve from 0.51387
11/11 [=====] - 0s 13ms/step - loss: 0.5178 - accuracy:
0.6695 - val_loss: 0.5308 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 497/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4817 - accuracy: 0.7188
Epoch 497: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5148 - accuracy: 0.
6580 - val_loss: 0.5330 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 498/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4926 - accuracy: 0.6875
Epoch 498: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5165 - accuracy: 0.
6724 - val_loss: 0.5196 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 499/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5000 - accuracy: 0.6875
Epoch 499: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5153 - accuracy: 0.
6753 - val_loss: 0.5238 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 500/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5942 - accuracy: 0.5625
Epoch 500: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5131 - accuracy: 0.
6695 - val_loss: 0.5243 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 501/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5733 - accuracy: 0.5312
Epoch 501: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5148 - accuracy: 0.
6753 - val_loss: 0.5345 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 502/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4168 - accuracy: 0.7188
Epoch 502: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5151 - accuracy: 0.
6667 - val_loss: 0.5255 - val_accuracy: 0.6333 - lr: 0.0063
```

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Epoch 503/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4924 - accuracy: 0.7188
Epoch 503: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5146 - accuracy: 0.
6695 - val_loss: 0.5281 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 504/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5582 - accuracy: 0.6562
Epoch 504: val_loss did not improve from 0.51387

Epoch 504: ReduceLROnPlateau reducing learning rate to 0.004409999679774046.
11/11 [=====] - 0s 9ms/step - loss: 0.5134 - accuracy: 0.
6724 - val_loss: 0.5239 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 505/1000
11/11 [=====] - ETA: 0s - loss: 0.5137 - accuracy: 0.6724
Epoch 505: val_loss did not improve from 0.51387
11/11 [=====] - 0s 10ms/step - loss: 0.5137 - accuracy: 0.
6724 - val_loss: 0.5254 - val_accuracy: 0.6267 - lr: 0.0044
Epoch 506/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4689 - accuracy: 0.6250
Epoch 506: val_loss did not improve from 0.51387
11/11 [=====] - 0s 8ms/step - loss: 0.5135 - accuracy: 0.
6724 - val_loss: 0.5249 - val_accuracy: 0.6267 - lr: 0.0044
Epoch 507/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5262 - accuracy: 0.6562
Epoch 507: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5135 - accuracy: 0.
6724 - val_loss: 0.5221 - val_accuracy: 0.6267 - lr: 0.0044
Epoch 508/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5056 - accuracy: 0.6250
Epoch 508: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5130 - accuracy: 0.
6724 - val_loss: 0.5266 - val_accuracy: 0.6267 - lr: 0.0044
Epoch 509/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6208 - accuracy: 0.6250
Epoch 509: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5128 - accuracy: 0.
6724 - val_loss: 0.5265 - val_accuracy: 0.6267 - lr: 0.0044
Epoch 510/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5269 - accuracy: 0.7188
Epoch 510: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5127 - accuracy: 0.
6753 - val_loss: 0.5239 - val_accuracy: 0.6400 - lr: 0.0044
Epoch 511/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5300 - accuracy: 0.6875
Epoch 511: val_loss did not improve from 0.51387
11/11 [=====] - 0s 13ms/step - loss: 0.5128 - accuracy: 0.
6724 - val_loss: 0.5264 - val_accuracy: 0.6333 - lr: 0.0044
Epoch 512/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4606 - accuracy: 0.7500
Epoch 512: val_loss did not improve from 0.51387
11/11 [=====] - 0s 10ms/step - loss: 0.5138 - accuracy: 0.
6724 - val_loss: 0.5252 - val_accuracy: 0.6333 - lr: 0.0044
Epoch 513/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5235 - accuracy: 0.6562
Epoch 513: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5133 - accuracy: 0.
6724 - val_loss: 0.5279 - val_accuracy: 0.6333 - lr: 0.0044
Epoch 514/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4823 - accuracy: 0.7188
Epoch 514: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5127 - accuracy: 0.
6753 - val_loss: 0.5247 - val_accuracy: 0.6400 - lr: 0.0044
Epoch 515/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5343 - accuracy: 0.6250
```

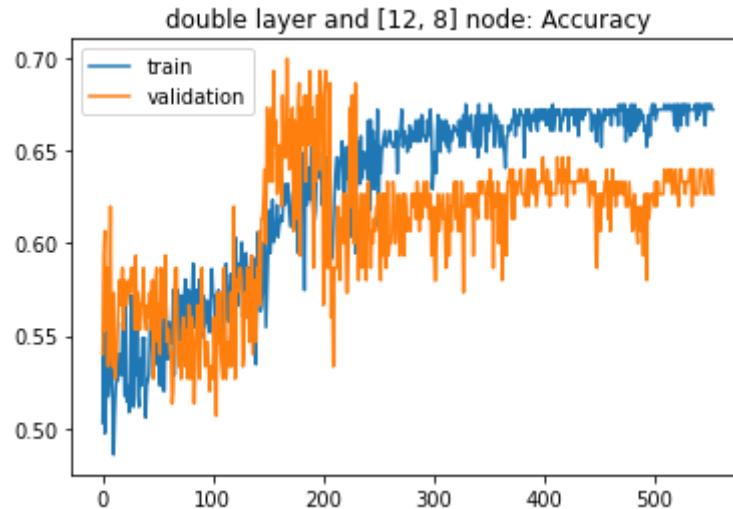
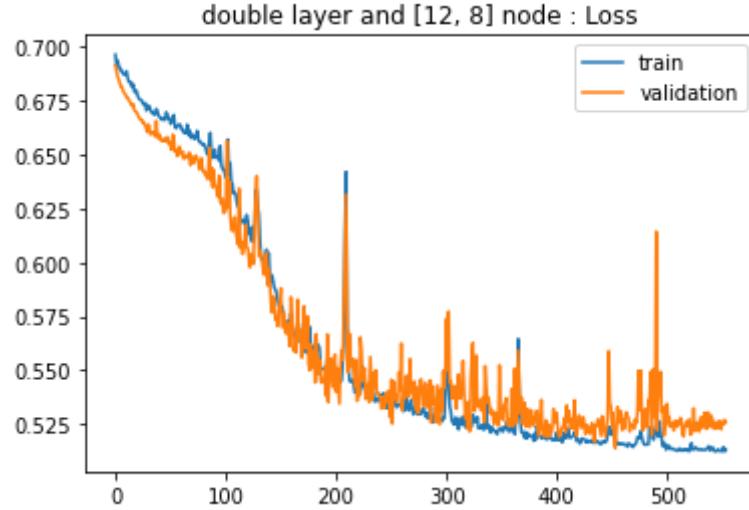
```
Epoch 515: val_loss did not improve from 0.51387
11/11 [=====] - 0s 14ms/step - loss: 0.5129 - accuracy: 0.6724 - val_loss: 0.5201 - val_accuracy: 0.6333 - lr: 0.0044
Epoch 516/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5709 - accuracy: 0.6250
Epoch 516: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5128 - accuracy: 0.6724 - val_loss: 0.5194 - val_accuracy: 0.6400 - lr: 0.0044
Epoch 517/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5435 - accuracy: 0.6562
Epoch 517: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5135 - accuracy: 0.6724 - val_loss: 0.5245 - val_accuracy: 0.6267 - lr: 0.0044
Epoch 518/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4690 - accuracy: 0.6562
Epoch 518: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5130 - accuracy: 0.6753 - val_loss: 0.5261 - val_accuracy: 0.6333 - lr: 0.0044
Epoch 519/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5170 - accuracy: 0.7812
Epoch 519: val_loss did not improve from 0.51387
11/11 [=====] - 0s 8ms/step - loss: 0.5134 - accuracy: 0.6638 - val_loss: 0.5240 - val_accuracy: 0.6333 - lr: 0.0044
Epoch 520/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5249 - accuracy: 0.6250
Epoch 520: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5126 - accuracy: 0.6724 - val_loss: 0.5264 - val_accuracy: 0.6400 - lr: 0.0044
Epoch 521/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5212 - accuracy: 0.6562
Epoch 521: val_loss did not improve from 0.51387
11/11 [=====] - 0s 8ms/step - loss: 0.5125 - accuracy: 0.6753 - val_loss: 0.5272 - val_accuracy: 0.6267 - lr: 0.0044
Epoch 522/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5184 - accuracy: 0.6875
Epoch 522: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5147 - accuracy: 0.6609 - val_loss: 0.5201 - val_accuracy: 0.6267 - lr: 0.0044
Epoch 523/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5210 - accuracy: 0.6562
Epoch 523: val_loss did not improve from 0.51387
11/11 [=====] - 0s 8ms/step - loss: 0.5162 - accuracy: 0.6753 - val_loss: 0.5210 - val_accuracy: 0.6200 - lr: 0.0044
Epoch 524/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5110 - accuracy: 0.6875
Epoch 524: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5131 - accuracy: 0.6724 - val_loss: 0.5233 - val_accuracy: 0.6400 - lr: 0.0044
Epoch 525/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4781 - accuracy: 0.7500
Epoch 525: val_loss did not improve from 0.51387
11/11 [=====] - 0s 8ms/step - loss: 0.5134 - accuracy: 0.6638 - val_loss: 0.5324 - val_accuracy: 0.6400 - lr: 0.0044
Epoch 526/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5125 - accuracy: 0.6719
Epoch 526: val_loss did not improve from 0.51387
11/11 [=====] - 0s 11ms/step - loss: 0.5136 - accuracy: 0.6753 - val_loss: 0.5217 - val_accuracy: 0.6333 - lr: 0.0044
Epoch 527/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5724 - accuracy: 0.6250
Epoch 527: val_loss did not improve from 0.51387
11/11 [=====] - 0s 10ms/step - loss: 0.5143 - accuracy: 0.6695 - val_loss: 0.5251 - val_accuracy: 0.6333 - lr: 0.0044
Epoch 528/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5629 - accuracy: 0.7812
Epoch 528: val_loss did not improve from 0.51387
11/11 [=====] - 0s 8ms/step - loss: 0.5133 - accuracy: 0.
6753 - val_loss: 0.5226 - val_accuracy: 0.6333 - lr: 0.0044
Epoch 529/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5255 - accuracy: 0.7812
Epoch 529: val_loss did not improve from 0.51387
11/11 [=====] - 0s 8ms/step - loss: 0.5134 - accuracy: 0.
6753 - val_loss: 0.5260 - val_accuracy: 0.6267 - lr: 0.0044
Epoch 530/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5080 - accuracy: 0.6875
Epoch 530: val_loss did not improve from 0.51387
11/11 [=====] - 0s 8ms/step - loss: 0.5131 - accuracy: 0.
6724 - val_loss: 0.5215 - val_accuracy: 0.6333 - lr: 0.0044
Epoch 531/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4757 - accuracy: 0.7500
Epoch 531: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5132 - accuracy: 0.
6638 - val_loss: 0.5241 - val_accuracy: 0.6333 - lr: 0.0044
Epoch 532/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5022 - accuracy: 0.7188
Epoch 532: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5134 - accuracy: 0.
6753 - val_loss: 0.5284 - val_accuracy: 0.6333 - lr: 0.0044
Epoch 533/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6129 - accuracy: 0.5312
Epoch 533: val_loss did not improve from 0.51387
11/11 [=====] - 0s 8ms/step - loss: 0.5130 - accuracy: 0.
6724 - val_loss: 0.5233 - val_accuracy: 0.6400 - lr: 0.0044
Epoch 534/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5383 - accuracy: 0.7500
Epoch 534: val_loss did not improve from 0.51387
11/11 [=====] - 0s 8ms/step - loss: 0.5130 - accuracy: 0.
6724 - val_loss: 0.5238 - val_accuracy: 0.6400 - lr: 0.0044
Epoch 535/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5559 - accuracy: 0.6875
Epoch 535: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5131 - accuracy: 0.
6724 - val_loss: 0.5303 - val_accuracy: 0.6200 - lr: 0.0044
Epoch 536/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5583 - accuracy: 0.5625
Epoch 536: val_loss did not improve from 0.51387
11/11 [=====] - 0s 8ms/step - loss: 0.5131 - accuracy: 0.
6724 - val_loss: 0.5255 - val_accuracy: 0.6400 - lr: 0.0044
Epoch 537/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4975 - accuracy: 0.6875
Epoch 537: val_loss did not improve from 0.51387
11/11 [=====] - 0s 8ms/step - loss: 0.5134 - accuracy: 0.
6724 - val_loss: 0.5228 - val_accuracy: 0.6400 - lr: 0.0044
Epoch 538/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5585 - accuracy: 0.6250
Epoch 538: val_loss did not improve from 0.51387
11/11 [=====] - 0s 8ms/step - loss: 0.5146 - accuracy: 0.
6753 - val_loss: 0.5305 - val_accuracy: 0.6267 - lr: 0.0044
Epoch 539/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4796 - accuracy: 0.7812
Epoch 539: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5147 - accuracy: 0.
6667 - val_loss: 0.5247 - val_accuracy: 0.6267 - lr: 0.0044
Epoch 540/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4274 - accuracy: 0.7812
Epoch 540: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5128 - accuracy: 0.
6753 - val_loss: 0.5240 - val_accuracy: 0.6267 - lr: 0.0044
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Epoch 541/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5340 - accuracy: 0.6250
Epoch 541: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5136 - accuracy: 0.
6753 - val_loss: 0.5289 - val_accuracy: 0.6267 - lr: 0.0044
Epoch 542/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5687 - accuracy: 0.6250
Epoch 542: val_loss did not improve from 0.51387
11/11 [=====] - 0s 8ms/step - loss: 0.5143 - accuracy: 0.
6695 - val_loss: 0.5270 - val_accuracy: 0.6400 - lr: 0.0044
Epoch 543/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4226 - accuracy: 0.7500
Epoch 543: val_loss did not improve from 0.51387
11/11 [=====] - 0s 13ms/step - loss: 0.5132 - accuracy:
0.6753 - val_loss: 0.5229 - val_accuracy: 0.6400 - lr: 0.0044
Epoch 544/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4950 - accuracy: 0.7188
Epoch 544: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5124 - accuracy: 0.
6724 - val_loss: 0.5259 - val_accuracy: 0.6400 - lr: 0.0044
Epoch 545/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4794 - accuracy: 0.7188
Epoch 545: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5124 - accuracy: 0.
6724 - val_loss: 0.5229 - val_accuracy: 0.6333 - lr: 0.0044
Epoch 546/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4676 - accuracy: 0.6562
Epoch 546: val_loss did not improve from 0.51387
11/11 [=====] - 0s 8ms/step - loss: 0.5126 - accuracy: 0.
6753 - val_loss: 0.5231 - val_accuracy: 0.6267 - lr: 0.0044
Epoch 547/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5070 - accuracy: 0.7188
Epoch 547: val_loss did not improve from 0.51387
11/11 [=====] - 0s 8ms/step - loss: 0.5134 - accuracy: 0.
6638 - val_loss: 0.5233 - val_accuracy: 0.6267 - lr: 0.0044
Epoch 548/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4845 - accuracy: 0.8125
Epoch 548: val_loss did not improve from 0.51387
11/11 [=====] - 0s 11ms/step - loss: 0.5128 - accuracy:
0.6753 - val_loss: 0.5265 - val_accuracy: 0.6267 - lr: 0.0044
Epoch 549/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4868 - accuracy: 0.6250
Epoch 549: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5125 - accuracy: 0.
6753 - val_loss: 0.5234 - val_accuracy: 0.6400 - lr: 0.0044
Epoch 550/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5328 - accuracy: 0.6250
Epoch 550: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5123 - accuracy: 0.
6724 - val_loss: 0.5226 - val_accuracy: 0.6333 - lr: 0.0044
Epoch 551/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5054 - accuracy: 0.6875
Epoch 551: val_loss did not improve from 0.51387
11/11 [=====] - 0s 10ms/step - loss: 0.5131 - accuracy:
0.6753 - val_loss: 0.5262 - val_accuracy: 0.6333 - lr: 0.0044
Epoch 552/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4287 - accuracy: 0.7188
Epoch 552: val_loss did not improve from 0.51387
11/11 [=====] - 0s 9ms/step - loss: 0.5144 - accuracy: 0.
6753 - val_loss: 0.5250 - val_accuracy: 0.6267 - lr: 0.0044
Epoch 553/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4487 - accuracy: 0.8125
Epoch 553: val_loss did not improve from 0.51387
11/11 [=====] - 0s 8ms/step - loss: 0.5123 - accuracy: 0.
```

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6724 - val_loss: 0.5270 - val_accuracy: 0.6400 - lr: 0.0044
Epoch 554/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5421 - accuracy: 0.5625
Epoch 554: val_loss did not improve from 0.51387

Epoch 554: ReduceLROnPlateau reducing learning rate to 0.0030869997106492517.
11/11 [=====] - 0s 9ms/step - loss: 0.5131 - accuracy: 0.
6724 - val_loss: 0.5257 - val_accuracy: 0.6267 - lr: 0.0044
Epoch 554: early stopping
Final training loss for double layer and [12, 8] nodes: 0.5130757093429565
Final training accuracy for double layer and [12, 8] nodes 0.6724137663841248
Final validation loss for double layer and [12, 8] nodes 0.5256964564323425
Final validation accuracy for double layer and [12, 8] nodes 0.6266666650772095
```



>>>>>>>>>>>>>>> Model training with double hidden layer and [12, 12] node>>>
>>>>>>>>>

Model: "sequential_43"

Layer (type)	Output Shape	Param #
<hr/>		
dense_117 (Dense)	(None, 12)	36
dense_118 (Dense)	(None, 12)	156
dense_119 (Dense)	(None, 1)	13
<hr/>		
Total params: 205		
Trainable params: 205		
Non-trainable params: 0		

None
Epoch 1/1000
1/11 [=>.....] - ETA: 6s - loss: 0.6898 - accuracy: 0.5625
Epoch 1: val_loss improved from inf to 0.69193, saving model to tmp/Weights-001--0.69193.hdf5
11/11 [=====] - 1s 24ms/step - loss: 0.6979 - accuracy: 0.5057 - val_loss: 0.6919 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 2/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7068 - accuracy: 0.2812
Epoch 2: val_loss improved from 0.69193 to 0.68979, saving model to tmp/Weights-002--0.68979.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6940 - accuracy: 0.4684 - val_loss: 0.6898 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 3/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6882 - accuracy: 0.6250
Epoch 3: val_loss improved from 0.68979 to 0.68836, saving model to tmp/Weights-003--0.68836.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6944 - accuracy: 0.5144 - val_loss: 0.6884 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 4/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6897 - accuracy: 0.5000
Epoch 4: val_loss improved from 0.68836 to 0.68588, saving model to tmp/Weights-004--0.68588.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6925 - accuracy: 0.5287 - val_loss: 0.6859 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 5/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7046 - accuracy: 0.4375
Epoch 5: val_loss improved from 0.68588 to 0.68363, saving model to tmp/Weights-005--0.68363.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6899 - accuracy: 0.5345 - val_loss: 0.6836 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 6/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6770 - accuracy: 0.6562
Epoch 6: val_loss improved from 0.68363 to 0.68017, saving model to tmp/Weights-006--0.68017.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6897 - accuracy: 0.5259 - val_loss: 0.6802 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 7/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6588 - accuracy: 0.6875
Epoch 7: val_loss improved from 0.68017 to 0.67909, saving model to tmp/Weights-007--0.67909.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6879 - accuracy: 0.5431 - val_loss: 0.6791 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 8/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6841 - accuracy: 0.6250
Epoch 8: val_loss improved from 0.67909 to 0.67821, saving model to tmp/Weights-00
8--0.67821.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6867 - accuracy: 0.5718
  val_loss: 0.6782 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 9/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6899 - accuracy: 0.5625
Epoch 9: val_loss improved from 0.67821 to 0.67634, saving model to tmp/Weights-00
9--0.67634.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6860 - accuracy: 0.5517
  val_loss: 0.6763 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 10/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6613 - accuracy: 0.6250
Epoch 10: val_loss did not improve from 0.67634
11/11 [=====] - 0s 9ms/step - loss: 0.6872 - accuracy: 0.5259
  val_loss: 0.6763 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 11/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6814 - accuracy: 0.4688
Epoch 11: val_loss improved from 0.67634 to 0.67519, saving model to tmp/Weights-0
11--0.67519.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6898 - accuracy: 0.5000
  val_loss: 0.6752 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 12/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6723 - accuracy: 0.6875
Epoch 12: val_loss did not improve from 0.67519
11/11 [=====] - 0s 8ms/step - loss: 0.6850 - accuracy: 0.5575
  val_loss: 0.6767 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 13/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6653 - accuracy: 0.6562
Epoch 13: val_loss improved from 0.67519 to 0.67497, saving model to tmp/Weights-0
13--0.67497.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6827 - accuracy: 0.5259
  val_loss: 0.6750 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 14/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7067 - accuracy: 0.3750
Epoch 14: val_loss improved from 0.67497 to 0.67439, saving model to tmp/Weights-0
14--0.67439.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6824 - accuracy: 0.5345
  val_loss: 0.6744 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 15/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6775 - accuracy: 0.6250
Epoch 15: val_loss improved from 0.67439 to 0.67347, saving model to tmp/Weights-0
15--0.67347.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6817 - accuracy: 0.5374
  val_loss: 0.6735 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 16/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6273 - accuracy: 0.6875
Epoch 16: val_loss improved from 0.67347 to 0.66982, saving model to tmp/Weights-0
16--0.66982.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6784 - accuracy: 0.5431
  val_loss: 0.6698 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 17/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6698 - accuracy: 0.6250
Epoch 17: val_loss improved from 0.66982 to 0.66845, saving model to tmp/Weights-0
17--0.66845.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6812 - accuracy: 0.5374
  val_loss: 0.6685 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 18/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6608 - accuracy: 0.6562
Epoch 18: val_loss did not improve from 0.66845
11/11 [=====] - 0s 8ms/step - loss: 0.6767 - accuracy: 0.5489
  val_loss: 0.6707 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 19/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6287 - accuracy: 0.7188
```

```
Epoch 19: val_loss improved from 0.66845 to 0.66725, saving model to tmp/Weights-0
19--0.66725.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6748 - accuracy:
0.5287 - val_loss: 0.6672 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 20/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6513 - accuracy: 0.5000
Epoch 20: val_loss improved from 0.66725 to 0.66489, saving model to tmp/Weights-0
20--0.66489.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6775 - accuracy:
0.5345 - val_loss: 0.6649 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 21/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6888 - accuracy: 0.4688
Epoch 21: val_loss did not improve from 0.66489
11/11 [=====] - 0s 9ms/step - loss: 0.6734 - accuracy: 0.
5603 - val_loss: 0.6650 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 22/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6798 - accuracy: 0.5625
Epoch 22: val_loss improved from 0.66489 to 0.66345, saving model to tmp/Weights-0
22--0.66345.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6698 - accuracy:
0.5603 - val_loss: 0.6635 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 23/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6497 - accuracy: 0.6250
Epoch 23: val_loss improved from 0.66345 to 0.66254, saving model to tmp/Weights-0
23--0.66254.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6687 - accuracy:
0.5460 - val_loss: 0.6625 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 24/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6831 - accuracy: 0.5312
Epoch 24: val_loss improved from 0.66254 to 0.66114, saving model to tmp/Weights-0
24--0.66114.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6671 - accuracy:
0.5517 - val_loss: 0.6611 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 25/1000
11/11 [=====] - ETA: 0s - loss: 0.6668 - accuracy: 0.5603
Epoch 25: val_loss improved from 0.66114 to 0.65898, saving model to tmp/Weights-0
25--0.65898.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6668 - accuracy:
0.5603 - val_loss: 0.6590 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 26/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6926 - accuracy: 0.4375
Epoch 26: val_loss did not improve from 0.65898
11/11 [=====] - 0s 9ms/step - loss: 0.6640 - accuracy: 0.
5345 - val_loss: 0.6633 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 27/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6212 - accuracy: 0.4375
Epoch 27: val_loss improved from 0.65898 to 0.65771, saving model to tmp/Weights-0
27--0.65771.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6638 - accuracy:
0.5489 - val_loss: 0.6577 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 28/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6909 - accuracy: 0.4688
Epoch 28: val_loss improved from 0.65771 to 0.65453, saving model to tmp/Weights-0
28--0.65453.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6647 - accuracy:
0.5546 - val_loss: 0.6545 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 29/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6479 - accuracy: 0.6562
Epoch 29: val_loss did not improve from 0.65453
11/11 [=====] - 0s 9ms/step - loss: 0.6596 - accuracy: 0.
5374 - val_loss: 0.6575 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 30/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6479 - accuracy: 0.6562
Epoch 30: val_loss improved from 0.65453 to 0.65432, saving model to tmp/Weights-0
```

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30--0.65432.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6581 - accuracy: 0.5546 - val_loss: 0.6543 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 31/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6274 - accuracy: 0.5625
Epoch 31: val_loss did not improve from 0.65432
11/11 [=====] - 0s 9ms/step - loss: 0.6598 - accuracy: 0.5517 - val_loss: 0.6547 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 32/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7091 - accuracy: 0.4688
Epoch 32: val_loss did not improve from 0.65432
11/11 [=====] - 0s 9ms/step - loss: 0.6617 - accuracy: 0.5575 - val_loss: 0.6566 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 33/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6828 - accuracy: 0.4688
Epoch 33: val_loss did not improve from 0.65432
11/11 [=====] - 0s 9ms/step - loss: 0.6546 - accuracy: 0.5460 - val_loss: 0.6578 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 34/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7164 - accuracy: 0.4688
Epoch 34: val_loss did not improve from 0.65432
11/11 [=====] - 0s 9ms/step - loss: 0.6557 - accuracy: 0.5431 - val_loss: 0.6549 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 35/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6545 - accuracy: 0.6250
Epoch 35: val_loss improved from 0.65432 to 0.64942, saving model to tmp/Weights-0
35--0.64942.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6558 - accuracy: 0.5316 - val_loss: 0.6494 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 36/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6634 - accuracy: 0.5625
Epoch 36: val_loss did not improve from 0.64942
11/11 [=====] - 0s 8ms/step - loss: 0.6536 - accuracy: 0.5632 - val_loss: 0.6548 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 37/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6452 - accuracy: 0.5000
Epoch 37: val_loss did not improve from 0.64942
11/11 [=====] - 0s 9ms/step - loss: 0.6526 - accuracy: 0.5201 - val_loss: 0.6497 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 38/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6309 - accuracy: 0.5938
Epoch 38: val_loss improved from 0.64942 to 0.64889, saving model to tmp/Weights-0
38--0.64889.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6514 - accuracy: 0.5316 - val_loss: 0.6489 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 39/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6584 - accuracy: 0.6250
Epoch 39: val_loss did not improve from 0.64889
11/11 [=====] - 0s 9ms/step - loss: 0.6529 - accuracy: 0.5690 - val_loss: 0.6499 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 40/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6649 - accuracy: 0.5000
Epoch 40: val_loss improved from 0.64889 to 0.64512, saving model to tmp/Weights-0
40--0.64512.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6467 - accuracy: 0.5603 - val_loss: 0.6451 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 41/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6368 - accuracy: 0.5625
Epoch 41: val_loss did not improve from 0.64512
11/11 [=====] - 0s 8ms/step - loss: 0.6474 - accuracy: 0.5460 - val_loss: 0.6478 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 42/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6497 - accuracy: 0.5000
Epoch 42: val_loss did not improve from 0.64512
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11/11 [=====] - 0s 8ms/step - loss: 0.6466 - accuracy: 0.5345 - val_loss: 0.6478 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 43/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6620 - accuracy: 0.5312
Epoch 43: val_loss did not improve from 0.64512
11/11 [=====] - 0s 9ms/step - loss: 0.6449 - accuracy: 0.5661 - val_loss: 0.6576 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 44/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5639 - accuracy: 0.6875
Epoch 44: val_loss did not improve from 0.64512
11/11 [=====] - 0s 9ms/step - loss: 0.6490 - accuracy: 0.5230 - val_loss: 0.6513 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 45/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5055 - accuracy: 0.7812
Epoch 45: val_loss did not improve from 0.64512
11/11 [=====] - 0s 9ms/step - loss: 0.6443 - accuracy: 0.5718 - val_loss: 0.6461 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 46/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6893 - accuracy: 0.5000
Epoch 46: val_loss did not improve from 0.64512
11/11 [=====] - 0s 9ms/step - loss: 0.6445 - accuracy: 0.5632 - val_loss: 0.6495 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 47/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6257 - accuracy: 0.5938
Epoch 47: val_loss did not improve from 0.64512
11/11 [=====] - 0s 8ms/step - loss: 0.6498 - accuracy: 0.5259 - val_loss: 0.6612 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 48/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7417 - accuracy: 0.4062
Epoch 48: val_loss did not improve from 0.64512
11/11 [=====] - 0s 8ms/step - loss: 0.6499 - accuracy: 0.5632 - val_loss: 0.6469 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 49/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6685 - accuracy: 0.4688
Epoch 49: val_loss did not improve from 0.64512
11/11 [=====] - 0s 9ms/step - loss: 0.6433 - accuracy: 0.5144 - val_loss: 0.6467 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 50/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6528 - accuracy: 0.5312
Epoch 50: val_loss improved from 0.64512 to 0.63821, saving model to tmp/Weights-050--0.63821.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6425 - accuracy: 0.5489 - val_loss: 0.6382 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 51/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6909 - accuracy: 0.4375
Epoch 51: val_loss did not improve from 0.63821
11/11 [=====] - 0s 8ms/step - loss: 0.6407 - accuracy: 0.5747 - val_loss: 0.6464 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 52/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6462 - accuracy: 0.5813
Epoch 52: val_loss did not improve from 0.63821
11/11 [=====] - 0s 11ms/step - loss: 0.6427 - accuracy: 0.5891 - val_loss: 0.6426 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 53/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5998 - accuracy: 0.6562
Epoch 53: val_loss did not improve from 0.63821
11/11 [=====] - 0s 9ms/step - loss: 0.6450 - accuracy: 0.5431 - val_loss: 0.6453 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 54/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6703 - accuracy: 0.5000
Epoch 54: val_loss did not improve from 0.63821
11/11 [=====] - 0s 9ms/step - loss: 0.6443 - accuracy: 0.5747 - val_loss: 0.6431 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 55/1000
```

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1/11 [=>.....] - ETA: 0s - loss: 0.6743 - accuracy: 0.5000
Epoch 55: val_loss did not improve from 0.63821
11/11 [=====] - 0s 8ms/step - loss: 0.6403 - accuracy: 0.
5833 - val_loss: 0.6431 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 56/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6895 - accuracy: 0.5312
Epoch 56: val_loss did not improve from 0.63821
11/11 [=====] - 0s 8ms/step - loss: 0.6383 - accuracy: 0.
5776 - val_loss: 0.6394 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 57/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6095 - accuracy: 0.5000
Epoch 57: val_loss improved from 0.63821 to 0.63711, saving model to tmp/Weights-0
57--0.63711.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6367 - accuracy:
0.5891 - val_loss: 0.6371 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 58/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6502 - accuracy: 0.5938
Epoch 58: val_loss did not improve from 0.63711
11/11 [=====] - 0s 8ms/step - loss: 0.6333 - accuracy: 0.
6034 - val_loss: 0.6427 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 59/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6094 - accuracy: 0.5938
Epoch 59: val_loss did not improve from 0.63711
11/11 [=====] - 0s 9ms/step - loss: 0.6398 - accuracy: 0.
5201 - val_loss: 0.6437 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 60/1000
11/11 [=====] - ETA: 0s - loss: 0.6405 - accuracy: 0.5402
Epoch 60: val_loss improved from 0.63711 to 0.63228, saving model to tmp/Weights-0
60--0.63228.hdf5
11/11 [=====] - 0s 16ms/step - loss: 0.6405 - accuracy:
0.5402 - val_loss: 0.6323 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 61/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6261 - accuracy: 0.5312
Epoch 61: val_loss did not improve from 0.63228
11/11 [=====] - 0s 8ms/step - loss: 0.6335 - accuracy: 0.
6034 - val_loss: 0.6398 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 62/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6618 - accuracy: 0.6875
Epoch 62: val_loss did not improve from 0.63228
11/11 [=====] - 0s 9ms/step - loss: 0.6362 - accuracy: 0.
6006 - val_loss: 0.6414 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 63/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6729 - accuracy: 0.5000
Epoch 63: val_loss did not improve from 0.63228
11/11 [=====] - 0s 9ms/step - loss: 0.6351 - accuracy: 0.
5891 - val_loss: 0.6473 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 64/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6210 - accuracy: 0.5000
Epoch 64: val_loss did not improve from 0.63228
11/11 [=====] - 0s 9ms/step - loss: 0.6346 - accuracy: 0.
5603 - val_loss: 0.6428 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 65/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6207 - accuracy: 0.6875
Epoch 65: val_loss did not improve from 0.63228
11/11 [=====] - 0s 9ms/step - loss: 0.6310 - accuracy: 0.
6121 - val_loss: 0.6390 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 66/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6575 - accuracy: 0.5000
Epoch 66: val_loss did not improve from 0.63228
11/11 [=====] - 0s 9ms/step - loss: 0.6385 - accuracy: 0.
5374 - val_loss: 0.6390 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 67/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5276 - accuracy: 0.6250
Epoch 67: val_loss did not improve from 0.63228
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11/11 [=====] - 0s 9ms/step - loss: 0.6304 - accuracy: 0.5690 - val_loss: 0.6349 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 68/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6486 - accuracy: 0.5625
Epoch 68: val_loss did not improve from 0.63228
11/11 [=====] - 0s 9ms/step - loss: 0.6319 - accuracy: 0.5948 - val_loss: 0.6407 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 69/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6391 - accuracy: 0.5312
Epoch 69: val_loss did not improve from 0.63228
11/11 [=====] - 0s 9ms/step - loss: 0.6288 - accuracy: 0.6178 - val_loss: 0.6367 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 70/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6431 - accuracy: 0.5938
Epoch 70: val_loss did not improve from 0.63228
11/11 [=====] - 0s 10ms/step - loss: 0.6286 - accuracy: 0.6178 - val_loss: 0.6377 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 71/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5846 - accuracy: 0.6562
Epoch 71: val_loss did not improve from 0.63228
11/11 [=====] - 0s 11ms/step - loss: 0.6317 - accuracy: 0.5575 - val_loss: 0.6418 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 72/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6036 - accuracy: 0.5312
Epoch 72: val_loss improved from 0.63228 to 0.63112, saving model to tmp/Weights-072--0.63112.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6253 - accuracy: 0.6149 - val_loss: 0.6311 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 73/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6802 - accuracy: 0.3125
Epoch 73: val_loss improved from 0.63112 to 0.62848, saving model to tmp/Weights-073--0.62848.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6276 - accuracy: 0.6149 - val_loss: 0.6285 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 74/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6218 - accuracy: 0.4062
Epoch 74: val_loss improved from 0.62848 to 0.62762, saving model to tmp/Weights-074--0.62762.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6245 - accuracy: 0.6322 - val_loss: 0.6276 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 75/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5881 - accuracy: 0.6875
Epoch 75: val_loss did not improve from 0.62762
11/11 [=====] - 0s 8ms/step - loss: 0.6242 - accuracy: 0.6207 - val_loss: 0.6303 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 76/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6436 - accuracy: 0.5312
Epoch 76: val_loss did not improve from 0.62762
11/11 [=====] - 0s 9ms/step - loss: 0.6234 - accuracy: 0.6236 - val_loss: 0.6293 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 77/1000
11/11 [=====] - ETA: 0s - loss: 0.6240 - accuracy: 0.6293
Epoch 77: val_loss did not improve from 0.62762
11/11 [=====] - 0s 11ms/step - loss: 0.6240 - accuracy: 0.6293 - val_loss: 0.6284 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 78/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6767 - accuracy: 0.4688
Epoch 78: val_loss did not improve from 0.62762
11/11 [=====] - 0s 9ms/step - loss: 0.6341 - accuracy: 0.5603 - val_loss: 0.6398 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 79/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6878 - accuracy: 0.5000
Epoch 79: val_loss did not improve from 0.62762
11/11 [=====] - 0s 9ms/step - loss: 0.6270 - accuracy: 0.
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5833 - val_loss: 0.6400 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 80/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5990 - accuracy: 0.6562
Epoch 80: val_loss did not improve from 0.62762
11/11 [=====] - 0s 9ms/step - loss: 0.6249 - accuracy: 0.
6034 - val_loss: 0.6352 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 81/1000
11/11 [=====] - ETA: 0s - loss: 0.6237 - accuracy: 0.6379
Epoch 81: val_loss did not improve from 0.62762
11/11 [=====] - 0s 10ms/step - loss: 0.6237 - accuracy:
0.6379 - val_loss: 0.6306 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 82/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5803 - accuracy: 0.6875
Epoch 82: val_loss did not improve from 0.62762
11/11 [=====] - 0s 9ms/step - loss: 0.6208 - accuracy: 0.
5920 - val_loss: 0.6371 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 83/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5431 - accuracy: 0.7500
Epoch 83: val_loss did not improve from 0.62762
11/11 [=====] - 0s 9ms/step - loss: 0.6219 - accuracy: 0.
6063 - val_loss: 0.6277 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 84/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6349 - accuracy: 0.4688
Epoch 84: val_loss did not improve from 0.62762
11/11 [=====] - 0s 9ms/step - loss: 0.6185 - accuracy: 0.
6264 - val_loss: 0.6296 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 85/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6435 - accuracy: 0.5000
Epoch 85: val_loss improved from 0.62762 to 0.62596, saving model to tmp/Weights-0
85--0.62596.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6214 - accuracy:
0.5891 - val_loss: 0.6260 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 86/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5772 - accuracy: 0.6250
Epoch 86: val_loss did not improve from 0.62596
11/11 [=====] - 0s 9ms/step - loss: 0.6199 - accuracy: 0.
6063 - val_loss: 0.6288 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 87/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5731 - accuracy: 0.5938
Epoch 87: val_loss did not improve from 0.62596
11/11 [=====] - 0s 9ms/step - loss: 0.6200 - accuracy: 0.
5891 - val_loss: 0.6313 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 88/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6001 - accuracy: 0.6562
Epoch 88: val_loss did not improve from 0.62596
11/11 [=====] - 0s 9ms/step - loss: 0.6175 - accuracy: 0.
6236 - val_loss: 0.6330 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 89/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6601 - accuracy: 0.5000
Epoch 89: val_loss did not improve from 0.62596
11/11 [=====] - 0s 9ms/step - loss: 0.6170 - accuracy: 0.
6121 - val_loss: 0.6285 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 90/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5639 - accuracy: 0.7812
Epoch 90: val_loss did not improve from 0.62596
11/11 [=====] - 0s 10ms/step - loss: 0.6184 - accuracy:
0.5575 - val_loss: 0.6351 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 91/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6393 - accuracy: 0.5938
Epoch 91: val_loss improved from 0.62596 to 0.62150, saving model to tmp/Weights-0
91--0.62150.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6203 - accuracy:
0.6264 - val_loss: 0.6215 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 92/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5642 - accuracy: 0.8125
Epoch 92: val_loss improved from 0.62150 to 0.61794, saving model to tmp/Weights-0
92--0.61794.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6157 - accuracy:
0.5661 - val_loss: 0.6179 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 93/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6287 - accuracy: 0.7188
Epoch 93: val_loss improved from 0.61794 to 0.61463, saving model to tmp/Weights-0
93--0.61463.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6241 - accuracy:
0.5891 - val_loss: 0.6146 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 94/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6402 - accuracy: 0.4375
Epoch 94: val_loss did not improve from 0.61463
11/11 [=====] - 0s 9ms/step - loss: 0.6178 - accuracy: 0.
5862 - val_loss: 0.6252 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 95/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6110 - accuracy: 0.5938
Epoch 95: val_loss did not improve from 0.61463
11/11 [=====] - 0s 8ms/step - loss: 0.6120 - accuracy: 0.
5977 - val_loss: 0.6254 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 96/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6285 - accuracy: 0.6562
Epoch 96: val_loss did not improve from 0.61463
11/11 [=====] - 0s 8ms/step - loss: 0.6161 - accuracy: 0.
6149 - val_loss: 0.6208 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 97/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6577 - accuracy: 0.6562
Epoch 97: val_loss did not improve from 0.61463
11/11 [=====] - 0s 8ms/step - loss: 0.6104 - accuracy: 0.
6379 - val_loss: 0.6154 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 98/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6738 - accuracy: 0.5312
Epoch 98: val_loss improved from 0.61463 to 0.61369, saving model to tmp/Weights-0
98--0.61369.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6044 - accuracy:
0.6552 - val_loss: 0.6137 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 99/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6316 - accuracy: 0.5625
Epoch 99: val_loss did not improve from 0.61369
11/11 [=====] - 0s 8ms/step - loss: 0.6094 - accuracy: 0.
6063 - val_loss: 0.6139 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 100/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6481 - accuracy: 0.5938
Epoch 100: val_loss did not improve from 0.61369
11/11 [=====] - 0s 8ms/step - loss: 0.6076 - accuracy: 0.
6264 - val_loss: 0.6202 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 101/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5715 - accuracy: 0.6562
Epoch 101: val_loss did not improve from 0.61369
11/11 [=====] - 0s 9ms/step - loss: 0.6078 - accuracy: 0.
6293 - val_loss: 0.6171 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 102/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5818 - accuracy: 0.5625
Epoch 102: val_loss did not improve from 0.61369
11/11 [=====] - 0s 9ms/step - loss: 0.6150 - accuracy: 0.
5546 - val_loss: 0.6150 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 103/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6041 - accuracy: 0.6250
Epoch 103: val_loss did not improve from 0.61369
11/11 [=====] - 0s 10ms/step - loss: 0.6121 - accuracy:
0.5833 - val_loss: 0.6197 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 104/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5978 - accuracy: 0.5625
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Epoch 104: val_loss did not improve from 0.61369
11/11 [=====] - 0s 8ms/step - loss: 0.6035 - accuracy: 0.
5833 - val_loss: 0.6156 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 105/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5425 - accuracy: 0.7188
Epoch 105: val_loss improved from 0.61369 to 0.61210, saving model to tmp/Weights-105--0.61210.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6029 - accuracy:
0.5891 - val_loss: 0.6121 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 106/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5366 - accuracy: 0.6250
Epoch 106: val_loss improved from 0.61210 to 0.61027, saving model to tmp/Weights-106--0.61027.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6076 - accuracy:
0.5891 - val_loss: 0.6103 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 107/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6069 - accuracy: 0.5000
Epoch 107: val_loss improved from 0.61027 to 0.60812, saving model to tmp/Weights-107--0.60812.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6119 - accuracy:
0.5718 - val_loss: 0.6081 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 108/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5391 - accuracy: 0.6875
Epoch 108: val_loss improved from 0.60812 to 0.60512, saving model to tmp/Weights-108--0.60512.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5995 - accuracy:
0.6121 - val_loss: 0.6051 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 109/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6116 - accuracy: 0.5312
Epoch 109: val_loss did not improve from 0.60512
11/11 [=====] - 0s 9ms/step - loss: 0.6037 - accuracy: 0.
6236 - val_loss: 0.6122 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 110/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5458 - accuracy: 0.7500
Epoch 110: val_loss improved from 0.60512 to 0.60309, saving model to tmp/Weights-110--0.60309.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6063 - accuracy:
0.6006 - val_loss: 0.6031 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 111/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5885 - accuracy: 0.7188
Epoch 111: val_loss did not improve from 0.60309
11/11 [=====] - 0s 9ms/step - loss: 0.6102 - accuracy: 0.
5776 - val_loss: 0.6072 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 112/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6300 - accuracy: 0.5000
Epoch 112: val_loss did not improve from 0.60309
11/11 [=====] - 0s 9ms/step - loss: 0.6037 - accuracy: 0.
5776 - val_loss: 0.6075 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 113/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6731 - accuracy: 0.5000
Epoch 113: val_loss did not improve from 0.60309
11/11 [=====] - 0s 8ms/step - loss: 0.6021 - accuracy: 0.
5718 - val_loss: 0.6158 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 114/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5949 - accuracy: 0.6250
Epoch 114: val_loss improved from 0.60309 to 0.59734, saving model to tmp/Weights-114--0.59734.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5998 - accuracy:
0.5575 - val_loss: 0.5973 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 115/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5941 - accuracy: 0.6875
Epoch 115: val_loss improved from 0.59734 to 0.59705, saving model to tmp/Weights-115--0.59705.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6004 - accuracy:
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0.5948 - val_loss: 0.5970 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 116/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6033 - accuracy: 0.6562
Epoch 116: val_loss did not improve from 0.59705
11/11 [=====] - 0s 9ms/step - loss: 0.5961 - accuracy: 0.
6322 - val_loss: 0.6046 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 117/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6427 - accuracy: 0.4375
Epoch 117: val_loss did not improve from 0.59705
11/11 [=====] - 0s 9ms/step - loss: 0.5997 - accuracy: 0.
5632 - val_loss: 0.6008 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 118/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5516 - accuracy: 0.6562
Epoch 118: val_loss did not improve from 0.59705
11/11 [=====] - 0s 10ms/step - loss: 0.5954 - accuracy:
0.5948 - val_loss: 0.6019 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 119/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5307 - accuracy: 0.6875
Epoch 119: val_loss did not improve from 0.59705
11/11 [=====] - 0s 7ms/step - loss: 0.5965 - accuracy: 0.
6236 - val_loss: 0.6016 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 120/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6178 - accuracy: 0.5938
Epoch 120: val_loss improved from 0.59705 to 0.59556, saving model to tmp/Weights-
120--0.59556.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5980 - accuracy:
0.5575 - val_loss: 0.5956 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 121/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6242 - accuracy: 0.5000
Epoch 121: val_loss improved from 0.59556 to 0.59476, saving model to tmp/Weights-
121--0.59476.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5918 - accuracy:
0.6121 - val_loss: 0.5948 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 122/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5463 - accuracy: 0.6250
Epoch 122: val_loss did not improve from 0.59476
11/11 [=====] - 0s 9ms/step - loss: 0.5943 - accuracy: 0.
6236 - val_loss: 0.5952 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 123/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6269 - accuracy: 0.6250
Epoch 123: val_loss improved from 0.59476 to 0.58785, saving model to tmp/Weights-
123--0.58785.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5905 - accuracy:
0.6063 - val_loss: 0.5879 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 124/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5361 - accuracy: 0.6250
Epoch 124: val_loss did not improve from 0.58785
11/11 [=====] - 0s 9ms/step - loss: 0.5898 - accuracy: 0.
5805 - val_loss: 0.6027 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 125/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5732 - accuracy: 0.5625
Epoch 125: val_loss did not improve from 0.58785
11/11 [=====] - 0s 9ms/step - loss: 0.5928 - accuracy: 0.
5977 - val_loss: 0.5947 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 126/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5777 - accuracy: 0.5312
Epoch 126: val_loss did not improve from 0.58785
11/11 [=====] - 0s 9ms/step - loss: 0.5919 - accuracy: 0.
5948 - val_loss: 0.5996 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 127/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5726 - accuracy: 0.6250
Epoch 127: val_loss did not improve from 0.58785
11/11 [=====] - 0s 8ms/step - loss: 0.5927 - accuracy: 0.
6236 - val_loss: 0.5895 - val_accuracy: 0.5733 - lr: 0.0090
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Epoch 128/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6316 - accuracy: 0.4688
Epoch 128: val_loss did not improve from 0.58785
11/11 [=====] - 0s 10ms/step - loss: 0.5913 - accuracy: 0.5603 - val_loss: 0.6032 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 129/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6430 - accuracy: 0.5000
Epoch 129: val_loss did not improve from 0.58785
11/11 [=====] - 0s 9ms/step - loss: 0.5887 - accuracy: 0.6351 - val_loss: 0.5937 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 130/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5725 - accuracy: 0.6875
Epoch 130: val_loss did not improve from 0.58785
11/11 [=====] - 0s 9ms/step - loss: 0.5939 - accuracy: 0.6322 - val_loss: 0.5993 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 131/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6654 - accuracy: 0.4688
Epoch 131: val_loss did not improve from 0.58785
11/11 [=====] - 0s 8ms/step - loss: 0.5961 - accuracy: 0.6121 - val_loss: 0.6024 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 132/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5484 - accuracy: 0.7188
Epoch 132: val_loss did not improve from 0.58785
11/11 [=====] - 0s 8ms/step - loss: 0.5909 - accuracy: 0.5805 - val_loss: 0.5899 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 133/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6600 - accuracy: 0.4688
Epoch 133: val_loss did not improve from 0.58785
11/11 [=====] - 0s 9ms/step - loss: 0.5869 - accuracy: 0.6178 - val_loss: 0.5920 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 134/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6122 - accuracy: 0.6562
Epoch 134: val_loss improved from 0.58785 to 0.58598, saving model to tmp/Weights-134--0.58598.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5912 - accuracy: 0.5862 - val_loss: 0.5860 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 135/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5791 - accuracy: 0.7188
Epoch 135: val_loss did not improve from 0.58598
11/11 [=====] - 0s 8ms/step - loss: 0.5868 - accuracy: 0.6293 - val_loss: 0.5894 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 136/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5856 - accuracy: 0.6562
Epoch 136: val_loss did not improve from 0.58598
11/11 [=====] - 0s 8ms/step - loss: 0.5899 - accuracy: 0.5891 - val_loss: 0.5927 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 137/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5709 - accuracy: 0.5000
Epoch 137: val_loss did not improve from 0.58598
11/11 [=====] - 0s 8ms/step - loss: 0.5852 - accuracy: 0.6006 - val_loss: 0.5921 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 138/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5767 - accuracy: 0.6250
Epoch 138: val_loss did not improve from 0.58598
11/11 [=====] - 0s 9ms/step - loss: 0.5911 - accuracy: 0.6178 - val_loss: 0.5905 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 139/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5732 - accuracy: 0.5625
Epoch 139: val_loss improved from 0.58598 to 0.58285, saving model to tmp/Weights-139--0.58285.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5863 - accuracy: 0.5632 - val_loss: 0.5829 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 140/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5629 - accuracy: 0.5625
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Epoch 140: val_loss improved from 0.58285 to 0.57404, saving model to tmp/Weights--140--0.57404.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5859 - accuracy: 0.5661 - val_loss: 0.5740 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 141/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5774 - accuracy: 0.5938
Epoch 141: val_loss did not improve from 0.57404
11/11 [=====] - 0s 8ms/step - loss: 0.5857 - accuracy: 0.6092 - val_loss: 0.5866 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 142/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4967 - accuracy: 0.7188
Epoch 142: val_loss did not improve from 0.57404
11/11 [=====] - 0s 8ms/step - loss: 0.5843 - accuracy: 0.5862 - val_loss: 0.5828 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 143/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5574 - accuracy: 0.6562
Epoch 143: val_loss did not improve from 0.57404
11/11 [=====] - 0s 9ms/step - loss: 0.5832 - accuracy: 0.5718 - val_loss: 0.5769 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 144/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5953 - accuracy: 0.5938
Epoch 144: val_loss improved from 0.57404 to 0.57155, saving model to tmp/Weights--144--0.57155.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5864 - accuracy: 0.6236 - val_loss: 0.5715 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 145/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5628 - accuracy: 0.6562
Epoch 145: val_loss did not improve from 0.57155
11/11 [=====] - 0s 8ms/step - loss: 0.5853 - accuracy: 0.5891 - val_loss: 0.5897 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 146/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6010 - accuracy: 0.5625
Epoch 146: val_loss did not improve from 0.57155
11/11 [=====] - 0s 8ms/step - loss: 0.5862 - accuracy: 0.6034 - val_loss: 0.5832 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 147/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5751 - accuracy: 0.6562
Epoch 147: val_loss did not improve from 0.57155
11/11 [=====] - 0s 9ms/step - loss: 0.5838 - accuracy: 0.6264 - val_loss: 0.5860 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 148/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6237 - accuracy: 0.5000
Epoch 148: val_loss did not improve from 0.57155
11/11 [=====] - 0s 10ms/step - loss: 0.5857 - accuracy: 0.5603 - val_loss: 0.5852 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 149/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5980 - accuracy: 0.5938
Epoch 149: val_loss did not improve from 0.57155
11/11 [=====] - 0s 9ms/step - loss: 0.5889 - accuracy: 0.6207 - val_loss: 0.5843 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 150/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5178 - accuracy: 0.7500
Epoch 150: val_loss did not improve from 0.57155
11/11 [=====] - 0s 9ms/step - loss: 0.5869 - accuracy: 0.6149 - val_loss: 0.5842 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 151/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4901 - accuracy: 0.6875
Epoch 151: val_loss did not improve from 0.57155
11/11 [=====] - 0s 9ms/step - loss: 0.5837 - accuracy: 0.6178 - val_loss: 0.5741 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 152/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5965 - accuracy: 0.6250
Epoch 152: val_loss did not improve from 0.57155
11/11 [=====] - 0s 9ms/step - loss: 0.5853 - accuracy: 0.
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5718 - val_loss: 0.5739 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 153/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6210 - accuracy: 0.5938
Epoch 153: val_loss did not improve from 0.57155
11/11 [=====] - 0s 9ms/step - loss: 0.5845 - accuracy: 0.
6207 - val_loss: 0.5723 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 154/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6077 - accuracy: 0.6250
Epoch 154: val_loss did not improve from 0.57155
11/11 [=====] - 0s 9ms/step - loss: 0.5825 - accuracy: 0.
5977 - val_loss: 0.5832 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 155/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6257 - accuracy: 0.4062
Epoch 155: val_loss did not improve from 0.57155
11/11 [=====] - 0s 9ms/step - loss: 0.5848 - accuracy: 0.
5833 - val_loss: 0.5796 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 156/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5691 - accuracy: 0.6250
Epoch 156: val_loss did not improve from 0.57155
11/11 [=====] - 0s 9ms/step - loss: 0.5794 - accuracy: 0.
6006 - val_loss: 0.5757 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 157/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6089 - accuracy: 0.4688
Epoch 157: val_loss improved from 0.57155 to 0.57149, saving model to tmp/Weights-
157--0.57149.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5813 - accuracy:
0.6121 - val_loss: 0.5715 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 158/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5559 - accuracy: 0.5938
Epoch 158: val_loss did not improve from 0.57149
11/11 [=====] - 0s 9ms/step - loss: 0.5814 - accuracy: 0.
5948 - val_loss: 0.6133 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 159/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6548 - accuracy: 0.5938
Epoch 159: val_loss did not improve from 0.57149
11/11 [=====] - 0s 8ms/step - loss: 0.5862 - accuracy: 0.
6207 - val_loss: 0.5736 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 160/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4847 - accuracy: 0.6875
Epoch 160: val_loss did not improve from 0.57149
11/11 [=====] - 0s 8ms/step - loss: 0.5817 - accuracy: 0.
5891 - val_loss: 0.5793 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 161/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5673 - accuracy: 0.6875
Epoch 161: val_loss improved from 0.57149 to 0.56670, saving model to tmp/Weights-
161--0.56670.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5797 - accuracy:
0.6149 - val_loss: 0.5667 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 162/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5424 - accuracy: 0.7812
Epoch 162: val_loss did not improve from 0.56670
11/11 [=====] - 0s 10ms/step - loss: 0.5788 - accuracy:
0.5690 - val_loss: 0.5798 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 163/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5663 - accuracy: 0.6250
Epoch 163: val_loss did not improve from 0.56670
11/11 [=====] - 0s 9ms/step - loss: 0.5784 - accuracy: 0.
5977 - val_loss: 0.5698 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 164/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5885 - accuracy: 0.6875
Epoch 164: val_loss did not improve from 0.56670
11/11 [=====] - 0s 8ms/step - loss: 0.5805 - accuracy: 0.
6293 - val_loss: 0.5698 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 165/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5521 - accuracy: 0.6875
Epoch 165: val_loss did not improve from 0.56670
11/11 [=====] - 0s 9ms/step - loss: 0.5772 - accuracy: 0.
5805 - val_loss: 0.5689 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 166/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5869 - accuracy: 0.6250
Epoch 166: val_loss did not improve from 0.56670
11/11 [=====] - 0s 8ms/step - loss: 0.5786 - accuracy: 0.
6006 - val_loss: 0.5707 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 167/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6037 - accuracy: 0.6875
Epoch 167: val_loss did not improve from 0.56670
11/11 [=====] - 0s 9ms/step - loss: 0.5790 - accuracy: 0.
6063 - val_loss: 0.5683 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 168/1000
11/11 [=====] - ETA: 0s - loss: 0.5809 - accuracy: 0.5977
Epoch 168: val_loss improved from 0.56670 to 0.56665, saving model to tmp/Weights-
168--0.56665.hdf5
11/11 [=====] - 0s 15ms/step - loss: 0.5809 - accuracy:
0.5977 - val_loss: 0.5666 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 169/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6221 - accuracy: 0.6250
Epoch 169: val_loss did not improve from 0.56665
11/11 [=====] - 0s 9ms/step - loss: 0.5766 - accuracy: 0.
5747 - val_loss: 0.5807 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 170/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5718 - accuracy: 0.6562
Epoch 170: val_loss did not improve from 0.56665
11/11 [=====] - 0s 9ms/step - loss: 0.5827 - accuracy: 0.
6379 - val_loss: 0.5768 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 171/1000
11/11 [=====] - ETA: 0s - loss: 0.5831 - accuracy: 0.6063
Epoch 171: val_loss did not improve from 0.56665
11/11 [=====] - 0s 11ms/step - loss: 0.5831 - accuracy:
0.6063 - val_loss: 0.5808 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 172/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5450 - accuracy: 0.6562
Epoch 172: val_loss improved from 0.56665 to 0.56073, saving model to tmp/Weights-
172--0.56073.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5820 - accuracy:
0.6236 - val_loss: 0.5607 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 173/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5799 - accuracy: 0.7188
Epoch 173: val_loss did not improve from 0.56073
11/11 [=====] - 0s 9ms/step - loss: 0.5767 - accuracy: 0.
6379 - val_loss: 0.5680 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 174/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6355 - accuracy: 0.5938
Epoch 174: val_loss did not improve from 0.56073
11/11 [=====] - 0s 10ms/step - loss: 0.5770 - accuracy:
0.5948 - val_loss: 0.5750 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 175/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5484 - accuracy: 0.5938
Epoch 175: val_loss did not improve from 0.56073
11/11 [=====] - 0s 9ms/step - loss: 0.5766 - accuracy: 0.
5603 - val_loss: 0.5752 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 176/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6163 - accuracy: 0.6875
Epoch 176: val_loss did not improve from 0.56073
11/11 [=====] - 0s 8ms/step - loss: 0.5793 - accuracy: 0.
6351 - val_loss: 0.5791 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 177/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6366 - accuracy: 0.5312
Epoch 177: val_loss did not improve from 0.56073
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11/11 [=====] - 0s 10ms/step - loss: 0.5792 - accuracy: 0.5805 - val_loss: 0.5687 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 178/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4370 - accuracy: 0.7188
Epoch 178: val_loss did not improve from 0.56073
11/11 [=====] - 0s 8ms/step - loss: 0.5811 - accuracy: 0.6523 - val_loss: 0.5790 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 179/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5916 - accuracy: 0.6562
Epoch 179: val_loss did not improve from 0.56073
11/11 [=====] - 0s 8ms/step - loss: 0.5795 - accuracy: 0.5690 - val_loss: 0.5701 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 180/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5563 - accuracy: 0.6250
Epoch 180: val_loss did not improve from 0.56073
11/11 [=====] - 0s 9ms/step - loss: 0.5792 - accuracy: 0.6379 - val_loss: 0.5672 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 181/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6072 - accuracy: 0.6562
Epoch 181: val_loss did not improve from 0.56073
11/11 [=====] - 0s 10ms/step - loss: 0.5757 - accuracy: 0.5747 - val_loss: 0.5733 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 182/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5787 - accuracy: 0.6000
Epoch 182: val_loss did not improve from 0.56073
11/11 [=====] - 0s 12ms/step - loss: 0.5765 - accuracy: 0.6034 - val_loss: 0.5833 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 183/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6644 - accuracy: 0.4688
Epoch 183: val_loss did not improve from 0.56073
11/11 [=====] - 0s 10ms/step - loss: 0.5770 - accuracy: 0.5948 - val_loss: 0.5678 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 184/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5424 - accuracy: 0.7188
Epoch 184: val_loss did not improve from 0.56073
11/11 [=====] - 0s 9ms/step - loss: 0.5775 - accuracy: 0.6034 - val_loss: 0.5687 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 185/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5729 - accuracy: 0.5938
Epoch 185: val_loss did not improve from 0.56073
11/11 [=====] - 0s 9ms/step - loss: 0.5741 - accuracy: 0.6178 - val_loss: 0.5661 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 186/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5263 - accuracy: 0.6562
Epoch 186: val_loss improved from 0.56073 to 0.55802, saving model to tmp/Weights-186--0.55802.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.5723 - accuracy: 0.5948 - val_loss: 0.5580 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 187/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5721 - accuracy: 0.7188
Epoch 187: val_loss did not improve from 0.55802
11/11 [=====] - 0s 8ms/step - loss: 0.5736 - accuracy: 0.6379 - val_loss: 0.5594 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 188/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5624 - accuracy: 0.6250
Epoch 188: val_loss did not improve from 0.55802
11/11 [=====] - 0s 9ms/step - loss: 0.5694 - accuracy: 0.6092 - val_loss: 0.5905 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 189/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5200 - accuracy: 0.7188
Epoch 189: val_loss improved from 0.55802 to 0.55392, saving model to tmp/Weights-189--0.55392.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5807 - accuracy: 0.6063 - val_loss: 0.5539 - val_accuracy: 0.6067 - lr: 0.0090
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Epoch 190/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5706 - accuracy: 0.6875
Epoch 190: val_loss did not improve from 0.55392
11/11 [=====] - 0s 9ms/step - loss: 0.5787 - accuracy: 0.
5632 - val_loss: 0.5666 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 191/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6343 - accuracy: 0.4688
Epoch 191: val_loss improved from 0.55392 to 0.55120, saving model to tmp/Weights-
191--0.55120.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5932 - accuracy:
0.6121 - val_loss: 0.5512 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 192/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5376 - accuracy: 0.7188
Epoch 192: val_loss did not improve from 0.55120
11/11 [=====] - 0s 8ms/step - loss: 0.5838 - accuracy: 0.
5718 - val_loss: 0.5643 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 193/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6495 - accuracy: 0.4375
Epoch 193: val_loss did not improve from 0.55120
11/11 [=====] - 0s 8ms/step - loss: 0.5802 - accuracy: 0.
5833 - val_loss: 0.5612 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 194/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6447 - accuracy: 0.4375
Epoch 194: val_loss did not improve from 0.55120
11/11 [=====] - 0s 9ms/step - loss: 0.5753 - accuracy: 0.
6293 - val_loss: 0.5539 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 195/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5934 - accuracy: 0.5312
Epoch 195: val_loss did not improve from 0.55120
11/11 [=====] - 0s 9ms/step - loss: 0.5704 - accuracy: 0.
6207 - val_loss: 0.5599 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 196/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6147 - accuracy: 0.4375
Epoch 196: val_loss improved from 0.55120 to 0.54948, saving model to tmp/Weights-
196--0.54948.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5667 - accuracy:
0.5776 - val_loss: 0.5495 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 197/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5702 - accuracy: 0.5938
Epoch 197: val_loss did not improve from 0.54948
11/11 [=====] - 0s 9ms/step - loss: 0.5669 - accuracy: 0.
6293 - val_loss: 0.5774 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 198/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5824 - accuracy: 0.5625
Epoch 198: val_loss did not improve from 0.54948
11/11 [=====] - 0s 9ms/step - loss: 0.5734 - accuracy: 0.
5661 - val_loss: 0.5546 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 199/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5852 - accuracy: 0.5312
Epoch 199: val_loss did not improve from 0.54948
11/11 [=====] - 0s 8ms/step - loss: 0.5687 - accuracy: 0.
6408 - val_loss: 0.5548 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 200/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5795 - accuracy: 0.4688
Epoch 200: val_loss improved from 0.54948 to 0.54850, saving model to tmp/Weights-
200--0.54850.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5694 - accuracy:
0.5805 - val_loss: 0.5485 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 201/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4988 - accuracy: 0.6562
Epoch 201: val_loss improved from 0.54850 to 0.54737, saving model to tmp/Weights-
201--0.54737.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5691 - accuracy:
0.5862 - val_loss: 0.5474 - val_accuracy: 0.6133 - lr: 0.0090
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Epoch 202/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6150 - accuracy: 0.5625
Epoch 202: val_loss did not improve from 0.54737
11/11 [=====] - 0s 9ms/step - loss: 0.5704 - accuracy: 0.
5805 - val_loss: 0.5534 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 203/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5733 - accuracy: 0.6250
Epoch 203: val_loss improved from 0.54737 to 0.54725, saving model to tmp/Weights-
203--0.54725.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5723 - accuracy:
0.6236 - val_loss: 0.5473 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 204/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6022 - accuracy: 0.5938
Epoch 204: val_loss did not improve from 0.54725
11/11 [=====] - 0s 9ms/step - loss: 0.5707 - accuracy: 0.
5862 - val_loss: 0.5670 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 205/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5612 - accuracy: 0.5625
Epoch 205: val_loss did not improve from 0.54725
11/11 [=====] - 0s 9ms/step - loss: 0.5695 - accuracy: 0.
6178 - val_loss: 0.5571 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 206/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5101 - accuracy: 0.5938
Epoch 206: val_loss did not improve from 0.54725
11/11 [=====] - 0s 9ms/step - loss: 0.5665 - accuracy: 0.
5948 - val_loss: 0.5691 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 207/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6110 - accuracy: 0.5625
Epoch 207: val_loss did not improve from 0.54725
11/11 [=====] - 0s 9ms/step - loss: 0.5691 - accuracy: 0.
5776 - val_loss: 0.5515 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 208/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6384 - accuracy: 0.5938
Epoch 208: val_loss did not improve from 0.54725
11/11 [=====] - 0s 9ms/step - loss: 0.5730 - accuracy: 0.
6408 - val_loss: 0.5928 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 209/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6237 - accuracy: 0.4688
Epoch 209: val_loss did not improve from 0.54725
11/11 [=====] - 0s 9ms/step - loss: 0.5720 - accuracy: 0.
6494 - val_loss: 0.5658 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 210/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6089 - accuracy: 0.5938
Epoch 210: val_loss did not improve from 0.54725
11/11 [=====] - 0s 9ms/step - loss: 0.5669 - accuracy: 0.
5862 - val_loss: 0.5895 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 211/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5863 - accuracy: 0.6875
Epoch 211: val_loss did not improve from 0.54725
11/11 [=====] - 0s 9ms/step - loss: 0.5753 - accuracy: 0.
6092 - val_loss: 0.5600 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 212/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5957 - accuracy: 0.6562
Epoch 212: val_loss did not improve from 0.54725
11/11 [=====] - 0s 9ms/step - loss: 0.5767 - accuracy: 0.
5977 - val_loss: 0.6000 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 213/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5989 - accuracy: 0.6250
Epoch 213: val_loss did not improve from 0.54725
11/11 [=====] - 0s 9ms/step - loss: 0.5739 - accuracy: 0.
6006 - val_loss: 0.5513 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 214/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5345 - accuracy: 0.6875
Epoch 214: val_loss did not improve from 0.54725
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11/11 [=====] - 0s 10ms/step - loss: 0.5667 - accuracy: 0.6207 - val_loss: 0.5771 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 215/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5470 - accuracy: 0.5938
Epoch 215: val_loss improved from 0.54725 to 0.54615, saving model to tmp/Weights-215--0.54615.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5730 - accuracy: 0.6293 - val_loss: 0.5461 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 216/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6121 - accuracy: 0.4688
Epoch 216: val_loss improved from 0.54615 to 0.54284, saving model to tmp/Weights-216--0.54284.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5689 - accuracy: 0.5833 - val_loss: 0.5428 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 217/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5966 - accuracy: 0.5625
Epoch 217: val_loss did not improve from 0.54284
11/11 [=====] - 0s 9ms/step - loss: 0.5641 - accuracy: 0.6092 - val_loss: 0.5513 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 218/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5728 - accuracy: 0.7188
Epoch 218: val_loss improved from 0.54284 to 0.54238, saving model to tmp/Weights-218--0.54238.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5674 - accuracy: 0.5948 - val_loss: 0.5424 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 219/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6090 - accuracy: 0.4688
Epoch 219: val_loss did not improve from 0.54238
11/11 [=====] - 0s 9ms/step - loss: 0.5645 - accuracy: 0.5776 - val_loss: 0.5546 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 220/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6361 - accuracy: 0.4688
Epoch 220: val_loss did not improve from 0.54238
11/11 [=====] - 0s 9ms/step - loss: 0.5664 - accuracy: 0.6351 - val_loss: 0.5500 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 221/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5647 - accuracy: 0.6187
Epoch 221: val_loss did not improve from 0.54238
11/11 [=====] - 0s 11ms/step - loss: 0.5658 - accuracy: 0.6121 - val_loss: 0.5461 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 222/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6230 - accuracy: 0.5000
Epoch 222: val_loss did not improve from 0.54238
11/11 [=====] - 0s 9ms/step - loss: 0.5637 - accuracy: 0.5891 - val_loss: 0.5666 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 223/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6325 - accuracy: 0.4688
Epoch 223: val_loss did not improve from 0.54238
11/11 [=====] - 0s 9ms/step - loss: 0.5688 - accuracy: 0.5776 - val_loss: 0.5476 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 224/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5354 - accuracy: 0.7188
Epoch 224: val_loss did not improve from 0.54238
11/11 [=====] - 0s 8ms/step - loss: 0.5750 - accuracy: 0.6638 - val_loss: 0.5598 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 225/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5876 - accuracy: 0.5625
Epoch 225: val_loss did not improve from 0.54238
11/11 [=====] - 0s 10ms/step - loss: 0.5751 - accuracy: 0.6121 - val_loss: 0.5620 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 226/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5260 - accuracy: 0.5938
Epoch 226: val_loss did not improve from 0.54238
11/11 [=====] - 0s 8ms/step - loss: 0.5773 - accuracy: 0.
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6149 - val_loss: 0.5726 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 227/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5356 - accuracy: 0.6562
Epoch 227: val_loss improved from 0.54238 to 0.54040, saving model to tmp/Weights-227--0.54040.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5660 - accuracy: 0.5977
  0.5977 - val_loss: 0.5404 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 228/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5459 - accuracy: 0.5938
Epoch 228: val_loss did not improve from 0.54040
11/11 [=====] - 0s 9ms/step - loss: 0.5640 - accuracy: 0.5977
  0.5977 - val_loss: 0.5589 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 229/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5864 - accuracy: 0.6562
Epoch 229: val_loss did not improve from 0.54040
11/11 [=====] - 0s 9ms/step - loss: 0.5657 - accuracy: 0.6293
  0.6293 - val_loss: 0.5522 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 230/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5701 - accuracy: 0.5312
Epoch 230: val_loss did not improve from 0.54040
11/11 [=====] - 0s 8ms/step - loss: 0.5652 - accuracy: 0.5805
  0.5805 - val_loss: 0.5424 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 231/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6002 - accuracy: 0.5000
Epoch 231: val_loss did not improve from 0.54040
11/11 [=====] - 0s 9ms/step - loss: 0.5728 - accuracy: 0.6178
  0.6178 - val_loss: 0.5514 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 232/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6031 - accuracy: 0.4688
Epoch 232: val_loss did not improve from 0.54040
11/11 [=====] - 0s 9ms/step - loss: 0.5741 - accuracy: 0.5805
  0.5805 - val_loss: 0.5424 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 233/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4942 - accuracy: 0.6875
Epoch 233: val_loss improved from 0.54040 to 0.53737, saving model to tmp/Weights-233--0.53737.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5668 - accuracy: 0.5948
  0.5948 - val_loss: 0.5374 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 234/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5194 - accuracy: 0.5938
Epoch 234: val_loss did not improve from 0.53737
11/11 [=====] - 0s 9ms/step - loss: 0.5655 - accuracy: 0.6006
  0.6006 - val_loss: 0.5534 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 235/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5969 - accuracy: 0.5312
Epoch 235: val_loss did not improve from 0.53737
11/11 [=====] - 0s 9ms/step - loss: 0.5670 - accuracy: 0.5776
  0.5776 - val_loss: 0.5529 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 236/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6075 - accuracy: 0.4688
Epoch 236: val_loss did not improve from 0.53737
11/11 [=====] - 0s 8ms/step - loss: 0.5716 - accuracy: 0.6322
  0.6322 - val_loss: 0.5516 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 237/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5293 - accuracy: 0.5938
Epoch 237: val_loss did not improve from 0.53737
11/11 [=====] - 0s 9ms/step - loss: 0.5637 - accuracy: 0.6178
  0.6178 - val_loss: 0.5402 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 238/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5121 - accuracy: 0.7500
Epoch 238: val_loss improved from 0.53737 to 0.53454, saving model to tmp/Weights-238--0.53454.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5641 - accuracy: 0.5920
  0.5920 - val_loss: 0.5345 - val_accuracy: 0.6467 - lr: 0.0090
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Epoch 239/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5984 - accuracy: 0.5312
Epoch 239: val_loss did not improve from 0.53454
11/11 [=====] - 0s 9ms/step - loss: 0.5649 - accuracy: 0.
5977 - val_loss: 0.5450 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 240/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5580 - accuracy: 0.5625
Epoch 240: val_loss did not improve from 0.53454
11/11 [=====] - 0s 8ms/step - loss: 0.5641 - accuracy: 0.
5690 - val_loss: 0.5433 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 241/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6275 - accuracy: 0.6250
Epoch 241: val_loss did not improve from 0.53454
11/11 [=====] - 0s 9ms/step - loss: 0.5648 - accuracy: 0.
6207 - val_loss: 0.5433 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 242/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6209 - accuracy: 0.5625
Epoch 242: val_loss did not improve from 0.53454
11/11 [=====] - 0s 10ms/step - loss: 0.5667 - accuracy:
0.6408 - val_loss: 0.5421 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 243/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5620 - accuracy: 0.5938
Epoch 243: val_loss did not improve from 0.53454
11/11 [=====] - 0s 9ms/step - loss: 0.5600 - accuracy: 0.
6006 - val_loss: 0.5489 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 244/1000
11/11 [=====] - ETA: 0s - loss: 0.5673 - accuracy: 0.6207
Epoch 244: val_loss did not improve from 0.53454
11/11 [=====] - 0s 10ms/step - loss: 0.5673 - accuracy:
0.6207 - val_loss: 0.5377 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 245/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5868 - accuracy: 0.5625
Epoch 245: val_loss did not improve from 0.53454
11/11 [=====] - 0s 9ms/step - loss: 0.5654 - accuracy: 0.
5948 - val_loss: 0.5437 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 246/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5527 - accuracy: 0.6875
Epoch 246: val_loss did not improve from 0.53454
11/11 [=====] - 0s 8ms/step - loss: 0.5674 - accuracy: 0.
5805 - val_loss: 0.5399 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 247/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5256 - accuracy: 0.6250
Epoch 247: val_loss did not improve from 0.53454
11/11 [=====] - 0s 9ms/step - loss: 0.5681 - accuracy: 0.
6207 - val_loss: 0.5453 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 248/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6333 - accuracy: 0.5938
Epoch 248: val_loss did not improve from 0.53454
11/11 [=====] - 0s 8ms/step - loss: 0.5677 - accuracy: 0.
5891 - val_loss: 0.5365 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 249/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5700 - accuracy: 0.5938
Epoch 249: val_loss did not improve from 0.53454
11/11 [=====] - 0s 9ms/step - loss: 0.5649 - accuracy: 0.
5862 - val_loss: 0.5370 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 250/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5955 - accuracy: 0.6562
Epoch 250: val_loss did not improve from 0.53454
11/11 [=====] - 0s 8ms/step - loss: 0.5685 - accuracy: 0.
6092 - val_loss: 0.5527 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 251/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6434 - accuracy: 0.5312
Epoch 251: val_loss did not improve from 0.53454
11/11 [=====] - 0s 8ms/step - loss: 0.5704 - accuracy: 0.
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5862 - val_loss: 0.5399 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 252/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5899 - accuracy: 0.6250
Epoch 252: val_loss did not improve from 0.53454
11/11 [=====] - 0s 8ms/step - loss: 0.5675 - accuracy: 0.
6236 - val_loss: 0.5459 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 253/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5671 - accuracy: 0.6562
Epoch 253: val_loss did not improve from 0.53454
11/11 [=====] - 0s 8ms/step - loss: 0.5649 - accuracy: 0.
6236 - val_loss: 0.5365 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 254/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4858 - accuracy: 0.7188
Epoch 254: val_loss did not improve from 0.53454
11/11 [=====] - 0s 8ms/step - loss: 0.5647 - accuracy: 0.
6034 - val_loss: 0.5393 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 255/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4793 - accuracy: 0.7188
Epoch 255: val_loss did not improve from 0.53454
11/11 [=====] - 0s 8ms/step - loss: 0.5663 - accuracy: 0.
6379 - val_loss: 0.5570 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 256/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5131 - accuracy: 0.6875
Epoch 256: val_loss improved from 0.53454 to 0.53408, saving model to tmp/Weights-
256--0.53408.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5689 - accuracy:
0.5747 - val_loss: 0.5341 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 257/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4945 - accuracy: 0.7812
Epoch 257: val_loss did not improve from 0.53408
11/11 [=====] - 0s 8ms/step - loss: 0.5629 - accuracy: 0.
6034 - val_loss: 0.5509 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 258/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6197 - accuracy: 0.5000
Epoch 258: val_loss improved from 0.53408 to 0.52938, saving model to tmp/Weights-
258--0.52938.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5666 - accuracy:
0.6034 - val_loss: 0.5294 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 259/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5574 - accuracy: 0.5625
Epoch 259: val_loss did not improve from 0.52938
11/11 [=====] - 0s 8ms/step - loss: 0.5692 - accuracy: 0.
6207 - val_loss: 0.5389 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 260/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4409 - accuracy: 0.7188
Epoch 260: val_loss did not improve from 0.52938
11/11 [=====] - 0s 8ms/step - loss: 0.5653 - accuracy: 0.
6006 - val_loss: 0.5524 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 261/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5151 - accuracy: 0.5312
Epoch 261: val_loss did not improve from 0.52938
11/11 [=====] - 0s 8ms/step - loss: 0.5670 - accuracy: 0.
5862 - val_loss: 0.5407 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 262/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6458 - accuracy: 0.5000
Epoch 262: val_loss did not improve from 0.52938
11/11 [=====] - 0s 7ms/step - loss: 0.5602 - accuracy: 0.
6437 - val_loss: 0.5360 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 263/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6313 - accuracy: 0.5000
Epoch 263: val_loss did not improve from 0.52938
11/11 [=====] - 0s 8ms/step - loss: 0.5747 - accuracy: 0.
5920 - val_loss: 0.5424 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 264/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5687 - accuracy: 0.7188
Epoch 264: val_loss did not improve from 0.52938
11/11 [=====] - 0s 8ms/step - loss: 0.5691 - accuracy: 0.
6293 - val_loss: 0.5658 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 265/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6251 - accuracy: 0.5625
Epoch 265: val_loss did not improve from 0.52938
11/11 [=====] - 0s 8ms/step - loss: 0.5638 - accuracy: 0.
6178 - val_loss: 0.5421 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 266/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5233 - accuracy: 0.5000
Epoch 266: val_loss did not improve from 0.52938
11/11 [=====] - 0s 9ms/step - loss: 0.5664 - accuracy: 0.
6236 - val_loss: 0.5474 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 267/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3847 - accuracy: 0.7188
Epoch 267: val_loss did not improve from 0.52938
11/11 [=====] - 0s 9ms/step - loss: 0.5640 - accuracy: 0.
6121 - val_loss: 0.5477 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 268/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5952 - accuracy: 0.6250
Epoch 268: val_loss did not improve from 0.52938
11/11 [=====] - 0s 9ms/step - loss: 0.5704 - accuracy: 0.
6207 - val_loss: 0.5509 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 269/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5477 - accuracy: 0.5000
Epoch 269: val_loss did not improve from 0.52938
11/11 [=====] - 0s 9ms/step - loss: 0.5613 - accuracy: 0.
6121 - val_loss: 0.5315 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 270/1000
11/11 [=====] - ETA: 0s - loss: 0.5645 - accuracy: 0.6063
Epoch 270: val_loss did not improve from 0.52938
11/11 [=====] - 0s 12ms/step - loss: 0.5645 - accuracy:
0.6063 - val_loss: 0.5309 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 271/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5328 - accuracy: 0.6250
Epoch 271: val_loss did not improve from 0.52938
11/11 [=====] - 0s 9ms/step - loss: 0.5628 - accuracy: 0.
5805 - val_loss: 0.5388 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 272/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5555 - accuracy: 0.5938
Epoch 272: val_loss did not improve from 0.52938
11/11 [=====] - 0s 8ms/step - loss: 0.5620 - accuracy: 0.
6322 - val_loss: 0.5495 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 273/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5920 - accuracy: 0.6562
Epoch 273: val_loss did not improve from 0.52938
11/11 [=====] - 0s 8ms/step - loss: 0.5640 - accuracy: 0.
6178 - val_loss: 0.5454 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 274/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5735 - accuracy: 0.5312
Epoch 274: val_loss improved from 0.52938 to 0.52155, saving model to tmp/Weights-
274--0.52155.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.5597 - accuracy:
0.6293 - val_loss: 0.5215 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 275/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5705 - accuracy: 0.6875
Epoch 275: val_loss did not improve from 0.52155
11/11 [=====] - 0s 9ms/step - loss: 0.5566 - accuracy: 0.
6494 - val_loss: 0.5314 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 276/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6088 - accuracy: 0.6250
Epoch 276: val_loss did not improve from 0.52155
11/11 [=====] - 0s 9ms/step - loss: 0.5624 - accuracy: 0.
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6207 - val_loss: 0.5278 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 277/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5043 - accuracy: 0.7500
Epoch 277: val_loss did not improve from 0.52155
11/11 [=====] - 0s 10ms/step - loss: 0.5610 - accuracy: 0.6264 - val_loss: 0.5239 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 278/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5837 - accuracy: 0.7188
Epoch 278: val_loss did not improve from 0.52155
11/11 [=====] - 0s 9ms/step - loss: 0.5629 - accuracy: 0.6149 - val_loss: 0.5372 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 279/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6175 - accuracy: 0.4688
Epoch 279: val_loss did not improve from 0.52155
11/11 [=====] - 0s 8ms/step - loss: 0.5719 - accuracy: 0.6293 - val_loss: 0.5438 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 280/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6050 - accuracy: 0.6875
Epoch 280: val_loss improved from 0.52155 to 0.51484, saving model to tmp/Weights-280--0.51484.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5668 - accuracy: 0.6638 - val_loss: 0.5148 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 281/1000
11/11 [=====] - ETA: 0s - loss: 0.5596 - accuracy: 0.6293
Epoch 281: val_loss did not improve from 0.51484
11/11 [=====] - 0s 11ms/step - loss: 0.5596 - accuracy: 0.6293 - val_loss: 0.5292 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 282/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5369 - accuracy: 0.7188
Epoch 282: val_loss did not improve from 0.51484
11/11 [=====] - 0s 10ms/step - loss: 0.5624 - accuracy: 0.6351 - val_loss: 0.5822 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 283/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5320 - accuracy: 0.6562
Epoch 283: val_loss did not improve from 0.51484
11/11 [=====] - 0s 10ms/step - loss: 0.5627 - accuracy: 0.6437 - val_loss: 0.5781 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 284/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5275 - accuracy: 0.5625
Epoch 284: val_loss did not improve from 0.51484
11/11 [=====] - 0s 10ms/step - loss: 0.5744 - accuracy: 0.6178 - val_loss: 0.5866 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 285/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5572 - accuracy: 0.7188
Epoch 285: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5751 - accuracy: 0.6609 - val_loss: 0.5487 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 286/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5799 - accuracy: 0.6562
Epoch 286: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5601 - accuracy: 0.6695 - val_loss: 0.5457 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 287/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6428 - accuracy: 0.5938
Epoch 287: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5572 - accuracy: 0.6466 - val_loss: 0.5362 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 288/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5363 - accuracy: 0.6875
Epoch 288: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5488 - accuracy: 0.6753 - val_loss: 0.5251 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 289/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5425 - accuracy: 0.6562
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Epoch 289: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5471 - accuracy: 0.
6868 - val_loss: 0.5275 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 290/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5566 - accuracy: 0.7500
Epoch 290: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5495 - accuracy: 0.
6293 - val_loss: 0.5289 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 291/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5204 - accuracy: 0.7500
Epoch 291: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5442 - accuracy: 0.
7011 - val_loss: 0.5375 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 292/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6246 - accuracy: 0.6250
Epoch 292: val_loss did not improve from 0.51484
11/11 [=====] - 0s 8ms/step - loss: 0.5442 - accuracy: 0.
6753 - val_loss: 0.5333 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 293/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4702 - accuracy: 0.7500
Epoch 293: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5441 - accuracy: 0.
7126 - val_loss: 0.5264 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 294/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5575 - accuracy: 0.5938
Epoch 294: val_loss did not improve from 0.51484
11/11 [=====] - 0s 10ms/step - loss: 0.5448 - accuracy: 0.
6351 - val_loss: 0.5391 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 295/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5380 - accuracy: 0.5938
Epoch 295: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5465 - accuracy: 0.
6724 - val_loss: 0.5178 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 296/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4808 - accuracy: 0.7812
Epoch 296: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5466 - accuracy: 0.
6897 - val_loss: 0.5222 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 297/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5011 - accuracy: 0.7188
Epoch 297: val_loss did not improve from 0.51484
11/11 [=====] - 0s 8ms/step - loss: 0.5480 - accuracy: 0.
6580 - val_loss: 0.5373 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 298/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4872 - accuracy: 0.8438
Epoch 298: val_loss did not improve from 0.51484
11/11 [=====] - 0s 8ms/step - loss: 0.5453 - accuracy: 0.
6494 - val_loss: 0.5213 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 299/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6127 - accuracy: 0.6875
Epoch 299: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5449 - accuracy: 0.
7011 - val_loss: 0.5260 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 300/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5351 - accuracy: 0.6875
Epoch 300: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5539 - accuracy: 0.
7011 - val_loss: 0.5314 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 301/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5020 - accuracy: 0.7812
Epoch 301: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5559 - accuracy: 0.
6638 - val_loss: 0.5297 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 302/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5911 - accuracy: 0.5938
Epoch 302: val_loss did not improve from 0.51484
11/11 [=====] - 0s 8ms/step - loss: 0.5477 - accuracy: 0.
6695 - val_loss: 0.5239 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 303/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5089 - accuracy: 0.8438
Epoch 303: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5442 - accuracy: 0.
6925 - val_loss: 0.5288 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 304/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5263 - accuracy: 0.6562
Epoch 304: val_loss did not improve from 0.51484
11/11 [=====] - 0s 10ms/step - loss: 0.5427 - accuracy: 0.
6293 - val_loss: 0.5190 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 305/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4870 - accuracy: 0.6562
Epoch 305: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5438 - accuracy: 0.
6897 - val_loss: 0.5346 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 306/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5742 - accuracy: 0.6562
Epoch 306: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5441 - accuracy: 0.
6408 - val_loss: 0.5300 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 307/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5502 - accuracy: 0.5938
Epoch 307: val_loss did not improve from 0.51484
11/11 [=====] - 0s 8ms/step - loss: 0.5377 - accuracy: 0.
6437 - val_loss: 0.5276 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 308/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5433 - accuracy: 0.6875
Epoch 308: val_loss did not improve from 0.51484
11/11 [=====] - 0s 8ms/step - loss: 0.5359 - accuracy: 0.
7011 - val_loss: 0.5232 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 309/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5694 - accuracy: 0.6562
Epoch 309: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5370 - accuracy: 0.
6466 - val_loss: 0.5256 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 310/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4946 - accuracy: 0.6875
Epoch 310: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5378 - accuracy: 0.
6868 - val_loss: 0.5227 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 311/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5596 - accuracy: 0.5938
Epoch 311: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5460 - accuracy: 0.
6609 - val_loss: 0.5452 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 312/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4927 - accuracy: 0.6562
Epoch 312: val_loss did not improve from 0.51484
11/11 [=====] - 0s 8ms/step - loss: 0.5365 - accuracy: 0.
6494 - val_loss: 0.5556 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 313/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5197 - accuracy: 0.7188
Epoch 313: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5419 - accuracy: 0.
7299 - val_loss: 0.5318 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 314/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5334 - accuracy: 0.7188
Epoch 314: val_loss did not improve from 0.51484
11/11 [=====] - 0s 8ms/step - loss: 0.5383 - accuracy: 0.
6580 - val_loss: 0.5400 - val_accuracy: 0.5933 - lr: 0.0090
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Epoch 315/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5317 - accuracy: 0.8125
Epoch 315: val_loss did not improve from 0.51484
11/11 [=====] - 0s 8ms/step - loss: 0.5376 - accuracy: 0.
7011 - val_loss: 0.5475 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 316/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5158 - accuracy: 0.6875
Epoch 316: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5352 - accuracy: 0.
6868 - val_loss: 0.5223 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 317/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4931 - accuracy: 0.6875
Epoch 317: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5383 - accuracy: 0.
6839 - val_loss: 0.5627 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 318/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5260 - accuracy: 0.7500
Epoch 318: val_loss did not improve from 0.51484
11/11 [=====] - 0s 8ms/step - loss: 0.5403 - accuracy: 0.
6782 - val_loss: 0.5149 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 319/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4285 - accuracy: 0.8438
Epoch 319: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5376 - accuracy: 0.
6695 - val_loss: 0.5402 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 320/1000
11/11 [=====] - ETA: 0s - loss: 0.5355 - accuracy: 0.6782
Epoch 320: val_loss did not improve from 0.51484
11/11 [=====] - 0s 11ms/step - loss: 0.5355 - accuracy: 0.
6782 - val_loss: 0.5235 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 321/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6236 - accuracy: 0.4375
Epoch 321: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5361 - accuracy: 0.
7069 - val_loss: 0.5334 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 322/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5597 - accuracy: 0.7812
Epoch 322: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5287 - accuracy: 0.
6580 - val_loss: 0.5435 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 323/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4636 - accuracy: 0.8125
Epoch 323: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5410 - accuracy: 0.
6925 - val_loss: 0.5460 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 324/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4822 - accuracy: 0.7500
Epoch 324: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5411 - accuracy: 0.
6839 - val_loss: 0.5612 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 325/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5110 - accuracy: 0.8125
Epoch 325: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5377 - accuracy: 0.
6379 - val_loss: 0.5521 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 326/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4948 - accuracy: 0.6875
Epoch 326: val_loss did not improve from 0.51484
11/11 [=====] - 0s 8ms/step - loss: 0.5456 - accuracy: 0.
6839 - val_loss: 0.5318 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 327/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5466 - accuracy: 0.8750
Epoch 327: val_loss did not improve from 0.51484
11/11 [=====] - 0s 8ms/step - loss: 0.5340 - accuracy: 0.
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6839 - val_loss: 0.5357 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 328/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4607 - accuracy: 0.6875
Epoch 328: val_loss did not improve from 0.51484
11/11 [=====] - 0s 8ms/step - loss: 0.5348 - accuracy: 0.
6897 - val_loss: 0.5307 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 329/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5152 - accuracy: 0.6875
Epoch 329: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5297 - accuracy: 0.
6983 - val_loss: 0.5397 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 330/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3575 - accuracy: 0.8438
Epoch 330: val_loss did not improve from 0.51484

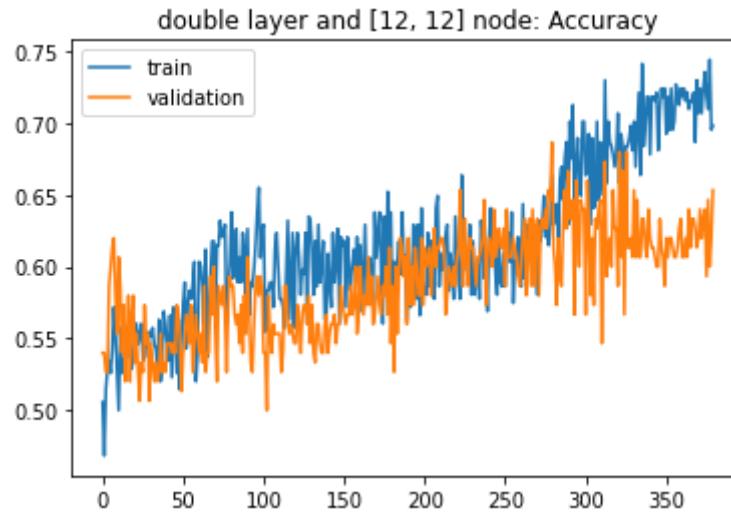
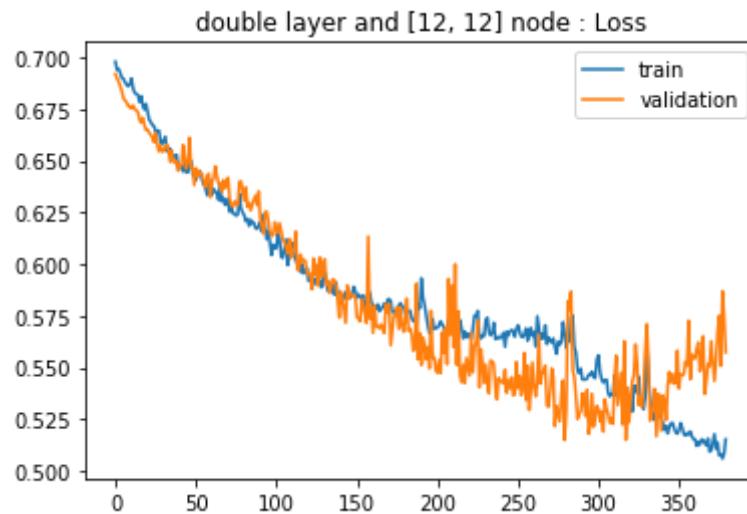
Epoch 330: ReduceLROnPlateau reducing learning rate to 0.006299999728798866.
11/11 [=====] - 0s 9ms/step - loss: 0.5356 - accuracy: 0.
6810 - val_loss: 0.5573 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 331/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5711 - accuracy: 0.5625
Epoch 331: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5623 - accuracy: 0.
7011 - val_loss: 0.5710 - val_accuracy: 0.6533 - lr: 0.0063
Epoch 332/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5395 - accuracy: 0.8125
Epoch 332: val_loss did not improve from 0.51484
11/11 [=====] - 0s 8ms/step - loss: 0.5465 - accuracy: 0.
6695 - val_loss: 0.5531 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 333/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5427 - accuracy: 0.5938
Epoch 333: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5367 - accuracy: 0.
6954 - val_loss: 0.5242 - val_accuracy: 0.6467 - lr: 0.0063
Epoch 334/1000
11/11 [=====] - ETA: 0s - loss: 0.5290 - accuracy: 0.7213
Epoch 334: val_loss did not improve from 0.51484
11/11 [=====] - 0s 10ms/step - loss: 0.5290 - accuracy: 0.
7213 - val_loss: 0.5283 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 335/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5878 - accuracy: 0.5312
Epoch 335: val_loss did not improve from 0.51484
11/11 [=====] - 0s 10ms/step - loss: 0.5280 - accuracy: 0.
6638 - val_loss: 0.5315 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 336/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4789 - accuracy: 0.7812
Epoch 336: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5245 - accuracy: 0.
7414 - val_loss: 0.5397 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 337/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5677 - accuracy: 0.5938
Epoch 337: val_loss did not improve from 0.51484
11/11 [=====] - 0s 8ms/step - loss: 0.5293 - accuracy: 0.
6839 - val_loss: 0.5166 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 338/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5953 - accuracy: 0.5938
Epoch 338: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5266 - accuracy: 0.
6983 - val_loss: 0.5372 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 339/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5180 - accuracy: 0.6875
Epoch 339: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5266 - accuracy: 0.
7184 - val_loss: 0.5357 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 340/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5482 - accuracy: 0.6875
Epoch 340: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5258 - accuracy: 0.
7184 - val_loss: 0.5194 - val_accuracy: 0.6400 - lr: 0.0063
Epoch 341/1000
11/11 [=====] - ETA: 0s - loss: 0.5228 - accuracy: 0.6782
Epoch 341: val_loss did not improve from 0.51484
11/11 [=====] - 0s 11ms/step - loss: 0.5228 - accuracy:
0.6782 - val_loss: 0.5365 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 342/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4630 - accuracy: 0.8125
Epoch 342: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5198 - accuracy: 0.
7184 - val_loss: 0.5340 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 343/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4593 - accuracy: 0.8125
Epoch 343: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5218 - accuracy: 0.
7184 - val_loss: 0.5245 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 344/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5049 - accuracy: 0.7500
Epoch 344: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5181 - accuracy: 0.
7155 - val_loss: 0.5410 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 345/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5796 - accuracy: 0.6250
Epoch 345: val_loss did not improve from 0.51484
11/11 [=====] - 0s 10ms/step - loss: 0.5211 - accuracy:
0.7213 - val_loss: 0.5478 - val_accuracy: 0.6000 - lr: 0.0063
Epoch 346/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6058 - accuracy: 0.6250
Epoch 346: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5230 - accuracy: 0.
6810 - val_loss: 0.5427 - val_accuracy: 0.6000 - lr: 0.0063
Epoch 347/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5725 - accuracy: 0.7812
Epoch 347: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5232 - accuracy: 0.
7098 - val_loss: 0.5469 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 348/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5430 - accuracy: 0.6250
Epoch 348: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5206 - accuracy: 0.
7241 - val_loss: 0.5421 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 349/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4792 - accuracy: 0.7812
Epoch 349: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5186 - accuracy: 0.
7184 - val_loss: 0.5427 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 350/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4691 - accuracy: 0.8125
Epoch 350: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5180 - accuracy: 0.
7241 - val_loss: 0.5582 - val_accuracy: 0.5867 - lr: 0.0063
Epoch 351/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5923 - accuracy: 0.6562
Epoch 351: val_loss did not improve from 0.51484
11/11 [=====] - 0s 8ms/step - loss: 0.5197 - accuracy: 0.
6925 - val_loss: 0.5398 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 352/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4958 - accuracy: 0.6562
Epoch 352: val_loss did not improve from 0.51484
11/11 [=====] - 0s 8ms/step - loss: 0.5231 - accuracy: 0.
7184 - val_loss: 0.5467 - val_accuracy: 0.6067 - lr: 0.0063
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Epoch 353/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4229 - accuracy: 0.8438
Epoch 353: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5208 - accuracy: 0.
6954 - val_loss: 0.5462 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 354/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5107 - accuracy: 0.7812
Epoch 354: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5178 - accuracy: 0.
7241 - val_loss: 0.5466 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 355/1000
11/11 [=====] - ETA: 0s - loss: 0.5170 - accuracy: 0.6954
Epoch 355: val_loss did not improve from 0.51484
11/11 [=====] - 0s 11ms/step - loss: 0.5170 - accuracy:
0.6954 - val_loss: 0.5528 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 356/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5033 - accuracy: 0.7812
Epoch 356: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5182 - accuracy: 0.
7011 - val_loss: 0.5508 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 357/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5195 - accuracy: 0.7812
Epoch 357: val_loss did not improve from 0.51484
11/11 [=====] - 0s 8ms/step - loss: 0.5176 - accuracy: 0.
7270 - val_loss: 0.5726 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 358/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5754 - accuracy: 0.6562
Epoch 358: val_loss did not improve from 0.51484
11/11 [=====] - 0s 10ms/step - loss: 0.5190 - accuracy:
0.7184 - val_loss: 0.5443 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 359/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4734 - accuracy: 0.7188
Epoch 359: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5166 - accuracy: 0.
7126 - val_loss: 0.5562 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 360/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4824 - accuracy: 0.8438
Epoch 360: val_loss did not improve from 0.51484
11/11 [=====] - 0s 8ms/step - loss: 0.5153 - accuracy: 0.
7241 - val_loss: 0.5546 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 361/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5501 - accuracy: 0.6250
Epoch 361: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5152 - accuracy: 0.
7184 - val_loss: 0.5543 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 362/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5470 - accuracy: 0.6250
Epoch 362: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5121 - accuracy: 0.
7241 - val_loss: 0.5592 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 363/1000
11/11 [=====] - ETA: 0s - loss: 0.5140 - accuracy: 0.7155
Epoch 363: val_loss did not improve from 0.51484
11/11 [=====] - 0s 11ms/step - loss: 0.5140 - accuracy:
0.7155 - val_loss: 0.5621 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 364/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5591 - accuracy: 0.7188
Epoch 364: val_loss did not improve from 0.51484
11/11 [=====] - 0s 8ms/step - loss: 0.5126 - accuracy: 0.
7213 - val_loss: 0.5482 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 365/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5570 - accuracy: 0.6250
Epoch 365: val_loss did not improve from 0.51484
11/11 [=====] - 0s 10ms/step - loss: 0.5152 - accuracy:
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0.7098 - val_loss: 0.5556 - val_accuracy: 0.6400 - lr: 0.0063
Epoch 366/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5049 - accuracy: 0.7812
Epoch 366: val_loss did not improve from 0.51484
11/11 [=====] - 0s 8ms/step - loss: 0.5149 - accuracy: 0.
7155 - val_loss: 0.5651 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 367/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5025 - accuracy: 0.7500
Epoch 367: val_loss did not improve from 0.51484
11/11 [=====] - 0s 8ms/step - loss: 0.5134 - accuracy: 0.
7155 - val_loss: 0.5371 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 368/1000
11/11 [=====] - ETA: 0s - loss: 0.5123 - accuracy: 0.7213
Epoch 368: val_loss did not improve from 0.51484
11/11 [=====] - 0s 11ms/step - loss: 0.5123 - accuracy:
0.7213 - val_loss: 0.5435 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 369/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5617 - accuracy: 0.6875
Epoch 369: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5156 - accuracy: 0.
6868 - val_loss: 0.5516 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 370/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4875 - accuracy: 0.7500
Epoch 370: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5092 - accuracy: 0.
7299 - val_loss: 0.5506 - val_accuracy: 0.6133 - lr: 0.0063
Epoch 371/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4689 - accuracy: 0.7500
Epoch 371: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5100 - accuracy: 0.
7069 - val_loss: 0.5627 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 372/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4496 - accuracy: 0.7812
Epoch 372: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5139 - accuracy: 0.
7241 - val_loss: 0.5528 - val_accuracy: 0.6400 - lr: 0.0063
Epoch 373/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4492 - accuracy: 0.8125
Epoch 373: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5177 - accuracy: 0.
7069 - val_loss: 0.5435 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 374/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4543 - accuracy: 0.8125
Epoch 374: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5106 - accuracy: 0.
7241 - val_loss: 0.5534 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 375/1000
11/11 [=====] - ETA: 0s - loss: 0.5137 - accuracy: 0.7356
Epoch 375: val_loss did not improve from 0.51484
11/11 [=====] - 0s 11ms/step - loss: 0.5137 - accuracy:
0.7356 - val_loss: 0.5675 - val_accuracy: 0.6400 - lr: 0.0063
Epoch 376/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5213 - accuracy: 0.7500
Epoch 376: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5074 - accuracy: 0.
7184 - val_loss: 0.5750 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 377/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4910 - accuracy: 0.7500
Epoch 377: val_loss did not improve from 0.51484
11/11 [=====] - 0s 9ms/step - loss: 0.5081 - accuracy: 0.
7098 - val_loss: 0.5507 - val_accuracy: 0.6467 - lr: 0.0063
Epoch 378/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4369 - accuracy: 0.8438
Epoch 378: val_loss did not improve from 0.51484
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11/11 [=====] - 0s 8ms/step - loss: 0.5059 - accuracy: 0.  
7443 - val_loss: 0.5868 - val_accuracy: 0.6000 - lr: 0.0063  
Epoch 379/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5340 - accuracy: 0.6875  
Epoch 379: val_loss did not improve from 0.51484  
11/11 [=====] - 0s 11ms/step - loss: 0.5083 - accuracy:  
0.6954 - val_loss: 0.5748 - val_accuracy: 0.6200 - lr: 0.0063  
Epoch 380/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5008 - accuracy: 0.7500  
Epoch 380: val_loss did not improve from 0.51484  
  
Epoch 380: ReduceLROnPlateau reducing learning rate to 0.004409999679774046.  
11/11 [=====] - 0s 10ms/step - loss: 0.5152 - accuracy:  
0.6983 - val_loss: 0.5573 - val_accuracy: 0.6533 - lr: 0.0063  
Epoch 380: early stopping  
Final training loss for double layer and [12, 12] nodes: 0.515209436416626  
Final training accuracy for double layer and [12, 12] nodes 0.6982758641242981  
Final validation loss for double layer and [12, 12] nodes 0.5572810173034668  
Final validation accuracy for double layer and [12, 12] nodes 0.653333306312561
```



```
>>>>>>>>>>>>>>> Model training with double hidden layer and [12, 16] node>>>
>>>>>>>>>
```

Model: "sequential_44"

Layer (type)	Output Shape	Param #
<hr/>		
dense_120 (Dense)	(None, 12)	36
dense_121 (Dense)	(None, 16)	208
dense_122 (Dense)	(None, 1)	17
<hr/>		
Total params: 261		
Trainable params: 261		
Non-trainable params: 0		

None
Epoch 1/1000
1/11 [=>.....] - ETA: 7s - loss: 0.6950 - accuracy: 0.3750
Epoch 1: val_loss improved from inf to 0.69437, saving model to tmp/Weights-001--0.69437.hdf5
11/11 [=====] - 1s 33ms/step - loss: 0.6970 - accuracy: 0.4856 - val_loss: 0.6944 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 2/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6872 - accuracy: 0.6250
Epoch 2: val_loss improved from 0.69437 to 0.69161, saving model to tmp/Weights-002--0.69161.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6931 - accuracy: 0.5086 - val_loss: 0.6916 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 3/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6979 - accuracy: 0.3750
Epoch 3: val_loss improved from 0.69161 to 0.68864, saving model to tmp/Weights-003--0.68864.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6930 - accuracy: 0.4943 - val_loss: 0.6886 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 4/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6897 - accuracy: 0.5312
Epoch 4: val_loss improved from 0.68864 to 0.68456, saving model to tmp/Weights-004--0.68456.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6925 - accuracy: 0.5374 - val_loss: 0.6846 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 5/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7036 - accuracy: 0.4062
Epoch 5: val_loss improved from 0.68456 to 0.68096, saving model to tmp/Weights-005--0.68096.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6895 - accuracy: 0.5201 - val_loss: 0.6810 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 6/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6760 - accuracy: 0.7188
Epoch 6: val_loss improved from 0.68096 to 0.67827, saving model to tmp/Weights-006--0.67827.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6896 - accuracy: 0.5345 - val_loss: 0.6783 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 7/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6479 - accuracy: 0.6875
Epoch 7: val_loss did not improve from 0.67827
11/11 [=====] - 0s 9ms/step - loss: 0.6881 - accuracy: 0.5402 - val_loss: 0.6795 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 8/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6868 - accuracy: 0.5938

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Epoch 8: val_loss did not improve from 0.67827
11/11 [=====] - 0s 10ms/step - loss: 0.6871 - accuracy: 0.5517 - val_loss: 0.6787 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 9/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6894 - accuracy: 0.5938
Epoch 9: val_loss improved from 0.67827 to 0.67678, saving model to tmp/Weights-00
9--0.67678.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6865 - accuracy: 0.5345 - val_loss: 0.6768 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 10/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6674 - accuracy: 0.6562
Epoch 10: val_loss did not improve from 0.67678
11/11 [=====] - 0s 9ms/step - loss: 0.6870 - accuracy: 0.5144 - val_loss: 0.6777 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 11/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6923 - accuracy: 0.4375
Epoch 11: val_loss improved from 0.67678 to 0.67559, saving model to tmp/Weights-011--0.67559.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6907 - accuracy: 0.5316 - val_loss: 0.6756 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 12/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6747 - accuracy: 0.5938
Epoch 12: val_loss did not improve from 0.67559
11/11 [=====] - 0s 9ms/step - loss: 0.6868 - accuracy: 0.4943 - val_loss: 0.6768 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 13/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6648 - accuracy: 0.6562
Epoch 13: val_loss did not improve from 0.67559
11/11 [=====] - 0s 9ms/step - loss: 0.6849 - accuracy: 0.5345 - val_loss: 0.6785 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 14/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6971 - accuracy: 0.4062
Epoch 14: val_loss did not improve from 0.67559
11/11 [=====] - 0s 10ms/step - loss: 0.6851 - accuracy: 0.5402 - val_loss: 0.6777 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 15/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6778 - accuracy: 0.5938
Epoch 15: val_loss did not improve from 0.67559
11/11 [=====] - 0s 11ms/step - loss: 0.6869 - accuracy: 0.5086 - val_loss: 0.6757 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 16/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6299 - accuracy: 0.7188
Epoch 16: val_loss improved from 0.67559 to 0.67429, saving model to tmp/Weights-016--0.67429.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6839 - accuracy: 0.5201 - val_loss: 0.6743 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 17/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6668 - accuracy: 0.6250
Epoch 17: val_loss did not improve from 0.67429
11/11 [=====] - 0s 8ms/step - loss: 0.6864 - accuracy: 0.5460 - val_loss: 0.6756 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 18/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6687 - accuracy: 0.6250
Epoch 18: val_loss did not improve from 0.67429
11/11 [=====] - 0s 8ms/step - loss: 0.6840 - accuracy: 0.5460 - val_loss: 0.6777 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 19/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6421 - accuracy: 0.7500
Epoch 19: val_loss did not improve from 0.67429
11/11 [=====] - 0s 9ms/step - loss: 0.6842 - accuracy: 0.5718 - val_loss: 0.6784 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 20/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6583 - accuracy: 0.6875
Epoch 20: val_loss did not improve from 0.67429
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11/11 [=====] - 0s 9ms/step - loss: 0.6841 - accuracy: 0.5603 - val_loss: 0.6760 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 21/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6902 - accuracy: 0.4375
Epoch 21: val_loss improved from 0.67429 to 0.67419, saving model to tmp/Weights-021--0.67419.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6827 - accuracy: 0.5259 - val_loss: 0.6742 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 22/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6955 - accuracy: 0.5000
Epoch 22: val_loss improved from 0.67419 to 0.67394, saving model to tmp/Weights-022--0.67394.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6812 - accuracy: 0.5230 - val_loss: 0.6739 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 23/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6633 - accuracy: 0.6562
Epoch 23: val_loss improved from 0.67394 to 0.67283, saving model to tmp/Weights-023--0.67283.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6814 - accuracy: 0.5345 - val_loss: 0.6728 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 24/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6974 - accuracy: 0.5625
Epoch 24: val_loss did not improve from 0.67283
11/11 [=====] - 0s 9ms/step - loss: 0.6819 - accuracy: 0.5661 - val_loss: 0.6757 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 25/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6917 - accuracy: 0.4375
Epoch 25: val_loss improved from 0.67283 to 0.67277, saving model to tmp/Weights-025--0.67277.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6809 - accuracy: 0.5402 - val_loss: 0.6728 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 26/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7048 - accuracy: 0.4375
Epoch 26: val_loss did not improve from 0.67277
11/11 [=====] - 0s 10ms/step - loss: 0.6793 - accuracy: 0.5259 - val_loss: 0.6731 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 27/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6511 - accuracy: 0.5000
Epoch 27: val_loss did not improve from 0.67277
11/11 [=====] - 0s 9ms/step - loss: 0.6790 - accuracy: 0.5402 - val_loss: 0.6735 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 28/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6983 - accuracy: 0.4375
Epoch 28: val_loss improved from 0.67277 to 0.67054, saving model to tmp/Weights-028--0.67054.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6783 - accuracy: 0.5603 - val_loss: 0.6705 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 29/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6526 - accuracy: 0.6250
Epoch 29: val_loss did not improve from 0.67054
11/11 [=====] - 0s 9ms/step - loss: 0.6785 - accuracy: 0.5402 - val_loss: 0.6709 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 30/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6657 - accuracy: 0.6562
Epoch 30: val_loss did not improve from 0.67054
11/11 [=====] - 0s 8ms/step - loss: 0.6782 - accuracy: 0.5603 - val_loss: 0.6718 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 31/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6459 - accuracy: 0.5312
Epoch 31: val_loss improved from 0.67054 to 0.66892, saving model to tmp/Weights-031--0.66892.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6794 - accuracy: 0.5603 - val_loss: 0.6689 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 32/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.7187 - accuracy: 0.4688
Epoch 32: val_loss did not improve from 0.66892
11/11 [=====] - 0s 8ms/step - loss: 0.6812 - accuracy: 0.
5287 - val_loss: 0.6698 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 33/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7015 - accuracy: 0.5000
Epoch 33: val_loss did not improve from 0.66892
11/11 [=====] - 0s 8ms/step - loss: 0.6764 - accuracy: 0.
5747 - val_loss: 0.6715 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 34/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7070 - accuracy: 0.4688
Epoch 34: val_loss did not improve from 0.66892
11/11 [=====] - 0s 9ms/step - loss: 0.6778 - accuracy: 0.
5144 - val_loss: 0.6696 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 35/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6776 - accuracy: 0.5312
Epoch 35: val_loss improved from 0.66892 to 0.66676, saving model to tmp/Weights-0
35--0.66676.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6759 - accuracy:
0.5489 - val_loss: 0.6668 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 36/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6999 - accuracy: 0.5312
Epoch 36: val_loss did not improve from 0.66676
11/11 [=====] - 0s 9ms/step - loss: 0.6760 - accuracy: 0.
5460 - val_loss: 0.6693 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 37/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6798 - accuracy: 0.5312
Epoch 37: val_loss did not improve from 0.66676
11/11 [=====] - 0s 8ms/step - loss: 0.6753 - accuracy: 0.
5546 - val_loss: 0.6670 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 38/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6411 - accuracy: 0.5625
Epoch 38: val_loss did not improve from 0.66676
11/11 [=====] - 0s 9ms/step - loss: 0.6720 - accuracy: 0.
5776 - val_loss: 0.6694 - val_accuracy: 0.4933 - lr: 0.0090
Epoch 39/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6795 - accuracy: 0.5625
Epoch 39: val_loss did not improve from 0.66676
11/11 [=====] - 0s 9ms/step - loss: 0.6732 - accuracy: 0.
5690 - val_loss: 0.6682 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 40/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6962 - accuracy: 0.4688
Epoch 40: val_loss improved from 0.66676 to 0.66630, saving model to tmp/Weights-0
40--0.66630.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6710 - accuracy:
0.5891 - val_loss: 0.6663 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 41/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6480 - accuracy: 0.5938
Epoch 41: val_loss improved from 0.66630 to 0.66546, saving model to tmp/Weights-0
41--0.66546.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6694 - accuracy:
0.6006 - val_loss: 0.6655 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 42/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6598 - accuracy: 0.6875
Epoch 42: val_loss did not improve from 0.66546
11/11 [=====] - 0s 9ms/step - loss: 0.6676 - accuracy: 0.
6092 - val_loss: 0.6663 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 43/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6644 - accuracy: 0.6875
Epoch 43: val_loss did not improve from 0.66546
11/11 [=====] - 0s 9ms/step - loss: 0.6678 - accuracy: 0.
6034 - val_loss: 0.6658 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 44/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6037 - accuracy: 0.7500
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Epoch 44: val_loss did not improve from 0.66546
11/11 [=====] - 0s 9ms/step - loss: 0.6655 - accuracy: 0.
5805 - val_loss: 0.6658 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 45/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5955 - accuracy: 0.7188
Epoch 45: val_loss improved from 0.66546 to 0.66378, saving model to tmp/Weights-0
45--0.66378.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6637 - accuracy:
0.6063 - val_loss: 0.6638 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 46/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6632 - accuracy: 0.6250
Epoch 46: val_loss did not improve from 0.66378
11/11 [=====] - 0s 10ms/step - loss: 0.6622 - accuracy:
0.6121 - val_loss: 0.6665 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 47/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6538 - accuracy: 0.5312
Epoch 47: val_loss did not improve from 0.66378
11/11 [=====] - 0s 9ms/step - loss: 0.6647 - accuracy: 0.
5546 - val_loss: 0.6671 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 48/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7542 - accuracy: 0.3750
Epoch 48: val_loss improved from 0.66378 to 0.66169, saving model to tmp/Weights-0
48--0.66169.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6663 - accuracy:
0.5489 - val_loss: 0.6617 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 49/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6909 - accuracy: 0.3750
Epoch 49: val_loss did not improve from 0.66169
11/11 [=====] - 0s 9ms/step - loss: 0.6637 - accuracy: 0.
5690 - val_loss: 0.6657 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 50/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6761 - accuracy: 0.4688
Epoch 50: val_loss did not improve from 0.66169
11/11 [=====] - 0s 8ms/step - loss: 0.6620 - accuracy: 0.
5747 - val_loss: 0.6621 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 51/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6803 - accuracy: 0.5312
Epoch 51: val_loss improved from 0.66169 to 0.66079, saving model to tmp/Weights-0
51--0.66079.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6585 - accuracy:
0.5948 - val_loss: 0.6608 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 52/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6468 - accuracy: 0.6875
Epoch 52: val_loss improved from 0.66079 to 0.65815, saving model to tmp/Weights-0
52--0.65815.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6642 - accuracy:
0.5661 - val_loss: 0.6582 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 53/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6546 - accuracy: 0.5625
Epoch 53: val_loss did not improve from 0.65815
11/11 [=====] - 0s 9ms/step - loss: 0.6612 - accuracy: 0.
5718 - val_loss: 0.6584 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 54/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6618 - accuracy: 0.6250
Epoch 54: val_loss did not improve from 0.65815
11/11 [=====] - 0s 9ms/step - loss: 0.6569 - accuracy: 0.
5747 - val_loss: 0.6628 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 55/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6797 - accuracy: 0.5625
Epoch 55: val_loss did not improve from 0.65815
11/11 [=====] - 0s 9ms/step - loss: 0.6551 - accuracy: 0.
5891 - val_loss: 0.6644 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 56/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7034 - accuracy: 0.5938
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Epoch 56: val_loss did not improve from 0.65815
11/11 [=====] - 0s 9ms/step - loss: 0.6553 - accuracy: 0.
5891 - val_loss: 0.6609 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 57/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6407 - accuracy: 0.5000
Epoch 57: val_loss did not improve from 0.65815
11/11 [=====] - 0s 9ms/step - loss: 0.6568 - accuracy: 0.
6034 - val_loss: 0.6607 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 58/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6690 - accuracy: 0.5625
Epoch 58: val_loss did not improve from 0.65815
11/11 [=====] - 0s 9ms/step - loss: 0.6528 - accuracy: 0.
6092 - val_loss: 0.6637 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 59/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6231 - accuracy: 0.5000
Epoch 59: val_loss did not improve from 0.65815
11/11 [=====] - 0s 8ms/step - loss: 0.6557 - accuracy: 0.
6006 - val_loss: 0.6617 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 60/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6664 - accuracy: 0.4688
Epoch 60: val_loss did not improve from 0.65815
11/11 [=====] - 0s 9ms/step - loss: 0.6555 - accuracy: 0.
6063 - val_loss: 0.6588 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 61/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6494 - accuracy: 0.5625
Epoch 61: val_loss did not improve from 0.65815
11/11 [=====] - 0s 9ms/step - loss: 0.6509 - accuracy: 0.
6034 - val_loss: 0.6615 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 62/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6564 - accuracy: 0.7188
Epoch 62: val_loss did not improve from 0.65815
11/11 [=====] - 0s 9ms/step - loss: 0.6562 - accuracy: 0.
5718 - val_loss: 0.6700 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 63/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6952 - accuracy: 0.5000
Epoch 63: val_loss improved from 0.65815 to 0.65423, saving model to tmp/Weights-0
63--0.65423.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6540 - accuracy: 0.
5977 - val_loss: 0.6542 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 64/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6204 - accuracy: 0.5938
Epoch 64: val_loss did not improve from 0.65423
11/11 [=====] - 0s 9ms/step - loss: 0.6508 - accuracy: 0.
6121 - val_loss: 0.6704 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 65/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6720 - accuracy: 0.5000
Epoch 65: val_loss did not improve from 0.65423
11/11 [=====] - 0s 9ms/step - loss: 0.6513 - accuracy: 0.
6092 - val_loss: 0.6575 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 66/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6587 - accuracy: 0.6250
Epoch 66: val_loss did not improve from 0.65423
11/11 [=====] - 0s 8ms/step - loss: 0.6512 - accuracy: 0.
5948 - val_loss: 0.6663 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 67/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5473 - accuracy: 0.6875
Epoch 67: val_loss did not improve from 0.65423
11/11 [=====] - 0s 9ms/step - loss: 0.6540 - accuracy: 0.
5431 - val_loss: 0.6577 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 68/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6646 - accuracy: 0.5938
Epoch 68: val_loss did not improve from 0.65423
11/11 [=====] - 0s 9ms/step - loss: 0.6541 - accuracy: 0.
5489 - val_loss: 0.6554 - val_accuracy: 0.5133 - lr: 0.0090
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Epoch 69/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6269 - accuracy: 0.5312
Epoch 69: val_loss improved from 0.65423 to 0.65410, saving model to tmp/Weights-0
69--0.65410.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6506 - accuracy:
0.5460 - val_loss: 0.6541 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 70/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6585 - accuracy: 0.5938
Epoch 70: val_loss did not improve from 0.65410
11/11 [=====] - 0s 8ms/step - loss: 0.6461 - accuracy: 0.
5776 - val_loss: 0.6616 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 71/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5887 - accuracy: 0.5312
Epoch 71: val_loss did not improve from 0.65410
11/11 [=====] - 0s 9ms/step - loss: 0.6462 - accuracy: 0.
5632 - val_loss: 0.6617 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 72/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6298 - accuracy: 0.4062
Epoch 72: val_loss did not improve from 0.65410
11/11 [=====] - 0s 9ms/step - loss: 0.6455 - accuracy: 0.
5632 - val_loss: 0.6601 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 73/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6538 - accuracy: 0.4375
Epoch 73: val_loss did not improve from 0.65410
11/11 [=====] - 0s 9ms/step - loss: 0.6422 - accuracy: 0.
5833 - val_loss: 0.6605 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 74/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6413 - accuracy: 0.5813
Epoch 74: val_loss did not improve from 0.65410
11/11 [=====] - 0s 11ms/step - loss: 0.6439 - accuracy:
0.5862 - val_loss: 0.6677 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 75/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5994 - accuracy: 0.6250
Epoch 75: val_loss improved from 0.65410 to 0.65389, saving model to tmp/Weights-0
75--0.65389.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6441 - accuracy:
0.6006 - val_loss: 0.6539 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 76/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6599 - accuracy: 0.5000
Epoch 76: val_loss did not improve from 0.65389
11/11 [=====] - 0s 8ms/step - loss: 0.6414 - accuracy: 0.
5690 - val_loss: 0.6588 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 77/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6424 - accuracy: 0.6562
Epoch 77: val_loss did not improve from 0.65389
11/11 [=====] - 0s 9ms/step - loss: 0.6399 - accuracy: 0.
5805 - val_loss: 0.6623 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 78/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7411 - accuracy: 0.3750
Epoch 78: val_loss improved from 0.65389 to 0.65271, saving model to tmp/Weights-0
78--0.65271.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6418 - accuracy:
0.5690 - val_loss: 0.6527 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 79/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7137 - accuracy: 0.4375
Epoch 79: val_loss did not improve from 0.65271
11/11 [=====] - 0s 8ms/step - loss: 0.6387 - accuracy: 0.
5920 - val_loss: 0.6630 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 80/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6175 - accuracy: 0.6562
Epoch 80: val_loss did not improve from 0.65271
11/11 [=====] - 0s 8ms/step - loss: 0.6386 - accuracy: 0.
5575 - val_loss: 0.6531 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 81/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6617 - accuracy: 0.5625
Epoch 81: val_loss improved from 0.65271 to 0.64392, saving model to tmp/Weights-0
81--0.64392.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6370 - accuracy: 0.5948
  val_loss: 0.6439 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 82/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6025 - accuracy: 0.5938
Epoch 82: val_loss did not improve from 0.64392
11/11 [=====] - 0s 8ms/step - loss: 0.6355 - accuracy: 0.5661
  val_loss: 0.6551 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 83/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.5621 - accuracy: 0.7812
Epoch 83: val_loss did not improve from 0.64392
11/11 [=====] - 0s 9ms/step - loss: 0.6354 - accuracy: 0.6034
  val_loss: 0.6497 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 84/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6459 - accuracy: 0.4375
Epoch 84: val_loss did not improve from 0.64392
11/11 [=====] - 0s 8ms/step - loss: 0.6349 - accuracy: 0.5891
  val_loss: 0.6516 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 85/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6379 - accuracy: 0.5000
Epoch 85: val_loss did not improve from 0.64392
11/11 [=====] - 0s 10ms/step - loss: 0.6385 - accuracy: 0.5747
  val_loss: 0.6659 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 86/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6189 - accuracy: 0.5625
Epoch 86: val_loss did not improve from 0.64392
11/11 [=====] - 0s 9ms/step - loss: 0.6363 - accuracy: 0.6063
  val_loss: 0.6498 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 87/1000
11/11 [=====] - ETA: 0s - loss: 0.6314 - accuracy: 0.5805
Epoch 87: val_loss improved from 0.64392 to 0.64390, saving model to tmp/Weights-0
87--0.64390.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6314 - accuracy: 0.5805
  val_loss: 0.6439 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 88/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6107 - accuracy: 0.6250
Epoch 88: val_loss did not improve from 0.64390
11/11 [=====] - 0s 9ms/step - loss: 0.6329 - accuracy: 0.6149
  val_loss: 0.6512 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 89/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6845 - accuracy: 0.5938
Epoch 89: val_loss improved from 0.64390 to 0.64086, saving model to tmp/Weights-0
89--0.64086.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6300 - accuracy: 0.5805
  val_loss: 0.6409 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 90/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.5961 - accuracy: 0.7500
Epoch 90: val_loss did not improve from 0.64086
11/11 [=====] - 0s 9ms/step - loss: 0.6401 - accuracy: 0.5517
  val_loss: 0.6559 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 91/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6191 - accuracy: 0.6875
Epoch 91: val_loss did not improve from 0.64086
11/11 [=====] - 0s 9ms/step - loss: 0.6362 - accuracy: 0.5977
  val_loss: 0.6431 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 92/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6384 - accuracy: 0.6875
Epoch 92: val_loss did not improve from 0.64086
11/11 [=====] - 0s 9ms/step - loss: 0.6314 - accuracy: 0.6034
  val_loss: 0.6488 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 93/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6520 - accuracy: 0.6875
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Epoch 93: val_loss improved from 0.64086 to 0.63879, saving model to tmp/Weights-0
93--0.63879.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6350 - accuracy: 0.5833
0.5833 - val_loss: 0.6388 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 94/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6322 - accuracy: 0.4375
Epoch 94: val_loss did not improve from 0.63879
11/11 [=====] - 0s 11ms/step - loss: 0.6306 - accuracy: 0.5920
0.5920 - val_loss: 0.6418 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 95/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6336 - accuracy: 0.6875
Epoch 95: val_loss did not improve from 0.63879
11/11 [=====] - 0s 9ms/step - loss: 0.6274 - accuracy: 0.6178
0.6178 - val_loss: 0.6520 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 96/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6251 - accuracy: 0.6562
Epoch 96: val_loss improved from 0.63879 to 0.63548, saving model to tmp/Weights-0
96--0.63548.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6316 - accuracy: 0.5862
0.5862 - val_loss: 0.6355 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 97/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6868 - accuracy: 0.5000
Epoch 97: val_loss did not improve from 0.63548
11/11 [=====] - 0s 9ms/step - loss: 0.6305 - accuracy: 0.5920
0.5920 - val_loss: 0.6492 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 98/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6771 - accuracy: 0.5000
Epoch 98: val_loss did not improve from 0.63548
11/11 [=====] - 0s 9ms/step - loss: 0.6282 - accuracy: 0.5805
0.5805 - val_loss: 0.6395 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 99/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6417 - accuracy: 0.5625
Epoch 99: val_loss did not improve from 0.63548
11/11 [=====] - 0s 9ms/step - loss: 0.6298 - accuracy: 0.6006
0.6006 - val_loss: 0.6418 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 100/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6443 - accuracy: 0.5625
Epoch 100: val_loss did not improve from 0.63548
11/11 [=====] - 0s 8ms/step - loss: 0.6317 - accuracy: 0.6149
0.6149 - val_loss: 0.6562 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 101/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5888 - accuracy: 0.6562
Epoch 101: val_loss did not improve from 0.63548
11/11 [=====] - 0s 9ms/step - loss: 0.6319 - accuracy: 0.5948
0.5948 - val_loss: 0.6428 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 102/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6320 - accuracy: 0.6562
Epoch 102: val_loss did not improve from 0.63548
11/11 [=====] - 0s 9ms/step - loss: 0.6433 - accuracy: 0.5805
0.5805 - val_loss: 0.6713 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 103/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6592 - accuracy: 0.5312
Epoch 103: val_loss improved from 0.63548 to 0.63207, saving model to tmp/Weights-
103--0.63207.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6401 - accuracy: 0.5603
0.5603 - val_loss: 0.6321 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 104/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5941 - accuracy: 0.5625
Epoch 104: val_loss did not improve from 0.63207
11/11 [=====] - 0s 9ms/step - loss: 0.6325 - accuracy: 0.5891
0.5891 - val_loss: 0.6523 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 105/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5938 - accuracy: 0.6562
Epoch 105: val_loss did not improve from 0.63207
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11/11 [=====] - 0s 9ms/step - loss: 0.6269 - accuracy: 0.5862 - val_loss: 0.6368 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 106/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6337 - accuracy: 0.6562
Epoch 106: val_loss improved from 0.63207 to 0.62981, saving model to tmp/Weights-106--0.62981.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6274 - accuracy: 0.6006 - val_loss: 0.6298 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 107/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5952 - accuracy: 0.5938
Epoch 107: val_loss did not improve from 0.62981
11/11 [=====] - 0s 9ms/step - loss: 0.6257 - accuracy: 0.5948 - val_loss: 0.6330 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 108/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5578 - accuracy: 0.5938
Epoch 108: val_loss did not improve from 0.62981
11/11 [=====] - 0s 9ms/step - loss: 0.6263 - accuracy: 0.5948 - val_loss: 0.6448 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 109/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6557 - accuracy: 0.6250
Epoch 109: val_loss did not improve from 0.62981
11/11 [=====] - 0s 8ms/step - loss: 0.6225 - accuracy: 0.5948 - val_loss: 0.6385 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 110/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6107 - accuracy: 0.5938
Epoch 110: val_loss did not improve from 0.62981
11/11 [=====] - 0s 8ms/step - loss: 0.6251 - accuracy: 0.6006 - val_loss: 0.6308 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 111/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6223 - accuracy: 0.6250
Epoch 111: val_loss improved from 0.62981 to 0.62656, saving model to tmp/Weights-111--0.62656.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6227 - accuracy: 0.5891 - val_loss: 0.6266 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 112/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6332 - accuracy: 0.6250
Epoch 112: val_loss did not improve from 0.62656
11/11 [=====] - 0s 9ms/step - loss: 0.6206 - accuracy: 0.6121 - val_loss: 0.6312 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 113/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6608 - accuracy: 0.6250
Epoch 113: val_loss did not improve from 0.62656
11/11 [=====] - 0s 9ms/step - loss: 0.6196 - accuracy: 0.6207 - val_loss: 0.6464 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 114/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6316 - accuracy: 0.5312
Epoch 114: val_loss did not improve from 0.62656
11/11 [=====] - 0s 9ms/step - loss: 0.6195 - accuracy: 0.6006 - val_loss: 0.6285 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 115/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6266 - accuracy: 0.6875
Epoch 115: val_loss did not improve from 0.62656
11/11 [=====] - 0s 9ms/step - loss: 0.6268 - accuracy: 0.5891 - val_loss: 0.6302 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 116/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6562 - accuracy: 0.6250
Epoch 116: val_loss did not improve from 0.62656
11/11 [=====] - 0s 8ms/step - loss: 0.6246 - accuracy: 0.6236 - val_loss: 0.6368 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 117/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6425 - accuracy: 0.4375
Epoch 117: val_loss did not improve from 0.62656
11/11 [=====] - 0s 9ms/step - loss: 0.6202 - accuracy: 0.6092 - val_loss: 0.6599 - val_accuracy: 0.5467 - lr: 0.0090
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Epoch 118/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5550 - accuracy: 0.7500
Epoch 118: val_loss did not improve from 0.62656
11/11 [=====] - 0s 9ms/step - loss: 0.6289 - accuracy: 0.
6092 - val_loss: 0.6621 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 119/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5898 - accuracy: 0.6250
Epoch 119: val_loss did not improve from 0.62656
11/11 [=====] - 0s 10ms/step - loss: 0.6254 - accuracy:
0.5977 - val_loss: 0.6460 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 120/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6107 - accuracy: 0.6562
Epoch 120: val_loss improved from 0.62656 to 0.62557, saving model to tmp/Weights-
120--0.62557.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6221 - accuracy:
0.6121 - val_loss: 0.6256 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 121/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6265 - accuracy: 0.6250
Epoch 121: val_loss did not improve from 0.62557
11/11 [=====] - 0s 9ms/step - loss: 0.6227 - accuracy: 0.
6034 - val_loss: 0.6429 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 122/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5600 - accuracy: 0.7188
Epoch 122: val_loss did not improve from 0.62557
11/11 [=====] - 0s 8ms/step - loss: 0.6275 - accuracy: 0.
5891 - val_loss: 0.6564 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 123/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6645 - accuracy: 0.5625
Epoch 123: val_loss did not improve from 0.62557
11/11 [=====] - 0s 8ms/step - loss: 0.6254 - accuracy: 0.
5776 - val_loss: 0.6536 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 124/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5899 - accuracy: 0.6562
Epoch 124: val_loss did not improve from 0.62557
11/11 [=====] - 0s 9ms/step - loss: 0.6252 - accuracy: 0.
5920 - val_loss: 0.6640 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 125/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5946 - accuracy: 0.5938
Epoch 125: val_loss did not improve from 0.62557
11/11 [=====] - 0s 8ms/step - loss: 0.6222 - accuracy: 0.
6006 - val_loss: 0.6639 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 126/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6154 - accuracy: 0.5625
Epoch 126: val_loss did not improve from 0.62557
11/11 [=====] - 0s 9ms/step - loss: 0.6260 - accuracy: 0.
5977 - val_loss: 0.6656 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 127/1000
11/11 [=====] - ETA: 0s - loss: 0.6214 - accuracy: 0.6034
Epoch 127: val_loss did not improve from 0.62557
11/11 [=====] - 0s 10ms/step - loss: 0.6214 - accuracy:
0.6034 - val_loss: 0.6417 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 128/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6391 - accuracy: 0.5000
Epoch 128: val_loss did not improve from 0.62557
11/11 [=====] - 0s 9ms/step - loss: 0.6177 - accuracy: 0.
6178 - val_loss: 0.6343 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 129/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6168 - accuracy: 0.5938
Epoch 129: val_loss improved from 0.62557 to 0.62479, saving model to tmp/Weights-
129--0.62479.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6202 - accuracy:
0.6063 - val_loss: 0.6248 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 130/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6012 - accuracy: 0.5938
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Epoch 130: val_loss did not improve from 0.62479
11/11 [=====] - 0s 9ms/step - loss: 0.6216 - accuracy: 0.
5948 - val_loss: 0.6295 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 131/1000
11/11 [=====] - ETA: 0s - loss: 0.6182 - accuracy: 0.6092
Epoch 131: val_loss did not improve from 0.62479
11/11 [=====] - 0s 11ms/step - loss: 0.6182 - accuracy:
0.6092 - val_loss: 0.6515 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 132/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5766 - accuracy: 0.6562
Epoch 132: val_loss did not improve from 0.62479
11/11 [=====] - 0s 13ms/step - loss: 0.6276 - accuracy:
0.5977 - val_loss: 0.6584 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 133/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6224 - accuracy: 0.6031
Epoch 133: val_loss did not improve from 0.62479
11/11 [=====] - 0s 12ms/step - loss: 0.6239 - accuracy:
0.6006 - val_loss: 0.6566 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 134/1000
9/11 [=====>.....] - ETA: 0s - loss: 0.6348 - accuracy: 0.6042
Epoch 134: val_loss did not improve from 0.62479
11/11 [=====] - 0s 11ms/step - loss: 0.6240 - accuracy:
0.6121 - val_loss: 0.6285 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 135/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6045 - accuracy: 0.6250
Epoch 135: val_loss improved from 0.62479 to 0.61588, saving model to tmp/Weights-
135--0.61588.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6191 - accuracy:
0.5948 - val_loss: 0.6159 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 136/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6089 - accuracy: 0.6250
Epoch 136: val_loss did not improve from 0.61588
11/11 [=====] - 0s 10ms/step - loss: 0.6181 - accuracy:
0.6149 - val_loss: 0.6210 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 137/1000
11/11 [=====] - ETA: 0s - loss: 0.6157 - accuracy: 0.6178
Epoch 137: val_loss did not improve from 0.61588
11/11 [=====] - 0s 12ms/step - loss: 0.6157 - accuracy:
0.6178 - val_loss: 0.6228 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 138/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6256 - accuracy: 0.6562
Epoch 138: val_loss improved from 0.61588 to 0.61580, saving model to tmp/Weights-
138--0.61580.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6144 - accuracy:
0.6092 - val_loss: 0.6158 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 139/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6075 - accuracy: 0.6156
Epoch 139: val_loss did not improve from 0.61580
11/11 [=====] - 0s 14ms/step - loss: 0.6105 - accuracy:
0.6149 - val_loss: 0.6195 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 140/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6129 - accuracy: 0.6125
Epoch 140: val_loss did not improve from 0.61580
11/11 [=====] - 0s 13ms/step - loss: 0.6105 - accuracy:
0.6121 - val_loss: 0.6182 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 141/1000
9/11 [=====>.....] - ETA: 0s - loss: 0.6091 - accuracy: 0.6250
Epoch 141: val_loss improved from 0.61580 to 0.60980, saving model to tmp/Weights-
141--0.60980.hdf5
11/11 [=====] - 0s 21ms/step - loss: 0.6109 - accuracy:
0.6207 - val_loss: 0.6098 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 142/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5547 - accuracy: 0.6875
Epoch 142: val_loss did not improve from 0.60980
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11/11 [=====] - 0s 10ms/step - loss: 0.6125 - accuracy: 0.6063 - val_loss: 0.6255 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 143/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6142 - accuracy: 0.6031
Epoch 143: val_loss did not improve from 0.60980
11/11 [=====] - 0s 13ms/step - loss: 0.6138 - accuracy: 0.6121 - val_loss: 0.6159 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 144/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5924 - accuracy: 0.6562
Epoch 144: val_loss did not improve from 0.60980
11/11 [=====] - 0s 13ms/step - loss: 0.6110 - accuracy: 0.6092 - val_loss: 0.6107 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 145/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6143 - accuracy: 0.5906
Epoch 145: val_loss did not improve from 0.60980
11/11 [=====] - 0s 13ms/step - loss: 0.6133 - accuracy: 0.5948 - val_loss: 0.6099 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 146/1000
11/11 [=====] - ETA: 0s - loss: 0.6154 - accuracy: 0.6121
Epoch 146: val_loss improved from 0.60980 to 0.60952, saving model to tmp/Weights-146--0.60952.hdf5
11/11 [=====] - 0s 16ms/step - loss: 0.6154 - accuracy: 0.6121 - val_loss: 0.6095 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 147/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6163 - accuracy: 0.6125
Epoch 147: val_loss did not improve from 0.60952
11/11 [=====] - 0s 13ms/step - loss: 0.6122 - accuracy: 0.6149 - val_loss: 0.6183 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 148/1000
9/11 [=====>...] - ETA: 0s - loss: 0.6207 - accuracy: 0.6076
Epoch 148: val_loss did not improve from 0.60952
11/11 [=====] - 0s 13ms/step - loss: 0.6095 - accuracy: 0.6149 - val_loss: 0.6151 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 149/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6067 - accuracy: 0.6187
Epoch 149: val_loss did not improve from 0.60952
11/11 [=====] - 0s 12ms/step - loss: 0.6108 - accuracy: 0.6034 - val_loss: 0.6144 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 150/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5730 - accuracy: 0.5938
Epoch 150: val_loss did not improve from 0.60952
11/11 [=====] - 0s 9ms/step - loss: 0.6073 - accuracy: 0.6207 - val_loss: 0.6168 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 151/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6088 - accuracy: 0.6094
Epoch 151: val_loss improved from 0.60952 to 0.60340, saving model to tmp/Weights-151--0.60340.hdf5
11/11 [=====] - 0s 16ms/step - loss: 0.6089 - accuracy: 0.6092 - val_loss: 0.6034 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 152/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6385 - accuracy: 0.4688
Epoch 152: val_loss did not improve from 0.60340
11/11 [=====] - 0s 11ms/step - loss: 0.6087 - accuracy: 0.6121 - val_loss: 0.6110 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 153/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5915 - accuracy: 0.6562
Epoch 153: val_loss did not improve from 0.60340
11/11 [=====] - 0s 9ms/step - loss: 0.6120 - accuracy: 0.6149 - val_loss: 0.6047 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 154/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5985 - accuracy: 0.7188
Epoch 154: val_loss did not improve from 0.60340
11/11 [=====] - 0s 9ms/step - loss: 0.6098 - accuracy: 0.6178 - val_loss: 0.6040 - val_accuracy: 0.5933 - lr: 0.0090
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Epoch 155/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6273 - accuracy: 0.6250
Epoch 155: val_loss improved from 0.60340 to 0.60135, saving model to tmp/Weights-155--0.60135.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6105 - accuracy: 0.6207 - val_loss: 0.6013 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 156/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6244 - accuracy: 0.5312
Epoch 156: val_loss did not improve from 0.60135
11/11 [=====] - 0s 8ms/step - loss: 0.6087 - accuracy: 0.6063 - val_loss: 0.6124 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 157/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6210 - accuracy: 0.5312
Epoch 157: val_loss did not improve from 0.60135
11/11 [=====] - 0s 9ms/step - loss: 0.6061 - accuracy: 0.6236 - val_loss: 0.6048 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 158/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5794 - accuracy: 0.6250
Epoch 158: val_loss did not improve from 0.60135
11/11 [=====] - 0s 9ms/step - loss: 0.6066 - accuracy: 0.6149 - val_loss: 0.6078 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 159/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6318 - accuracy: 0.5625
Epoch 159: val_loss did not improve from 0.60135
11/11 [=====] - 0s 9ms/step - loss: 0.6058 - accuracy: 0.6149 - val_loss: 0.6025 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 160/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5033 - accuracy: 0.7500
Epoch 160: val_loss did not improve from 0.60135
11/11 [=====] - 0s 9ms/step - loss: 0.6080 - accuracy: 0.6207 - val_loss: 0.6089 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 161/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5986 - accuracy: 0.6250
Epoch 161: val_loss improved from 0.60135 to 0.59653, saving model to tmp/Weights-161--0.59653.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6069 - accuracy: 0.6178 - val_loss: 0.5965 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 162/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5870 - accuracy: 0.7188
Epoch 162: val_loss did not improve from 0.59653
11/11 [=====] - 0s 10ms/step - loss: 0.6096 - accuracy: 0.6149 - val_loss: 0.6001 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 163/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5727 - accuracy: 0.6250
Epoch 163: val_loss did not improve from 0.59653
11/11 [=====] - 0s 9ms/step - loss: 0.6075 - accuracy: 0.6149 - val_loss: 0.6158 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 164/1000
9/11 [=====>.....] - ETA: 0s - loss: 0.6111 - accuracy: 0.5833
Epoch 164: val_loss did not improve from 0.59653
11/11 [=====] - 0s 12ms/step - loss: 0.6091 - accuracy: 0.6063 - val_loss: 0.6022 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 165/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6257 - accuracy: 0.5938
Epoch 165: val_loss did not improve from 0.59653
11/11 [=====] - 0s 9ms/step - loss: 0.6083 - accuracy: 0.6207 - val_loss: 0.6117 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 166/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6001 - accuracy: 0.6250
Epoch 166: val_loss did not improve from 0.59653
11/11 [=====] - 0s 9ms/step - loss: 0.6078 - accuracy: 0.6264 - val_loss: 0.6082 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 167/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6123 - accuracy: 0.6562
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Epoch 167: val_loss did not improve from 0.59653
11/11 [=====] - 0s 9ms/step - loss: 0.6041 - accuracy: 0.
6264 - val_loss: 0.6019 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 168/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5813 - accuracy: 0.6875
Epoch 168: val_loss did not improve from 0.59653
11/11 [=====] - 0s 10ms/step - loss: 0.6031 - accuracy: 0.
6236 - val_loss: 0.6018 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 169/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6058 - accuracy: 0.6562
Epoch 169: val_loss did not improve from 0.59653
11/11 [=====] - 0s 9ms/step - loss: 0.6036 - accuracy: 0.
6178 - val_loss: 0.6060 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 170/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6170 - accuracy: 0.6250
Epoch 170: val_loss did not improve from 0.59653
11/11 [=====] - 0s 10ms/step - loss: 0.6052 - accuracy: 0.
6121 - val_loss: 0.6012 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 171/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5215 - accuracy: 0.6875
Epoch 171: val_loss did not improve from 0.59653
11/11 [=====] - 0s 9ms/step - loss: 0.6052 - accuracy: 0.
6293 - val_loss: 0.6139 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 172/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6109 - accuracy: 0.5625
Epoch 172: val_loss improved from 0.59653 to 0.59421, saving model to tmp/Weights-172--0.59421.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6024 - accuracy: 0.
6178 - val_loss: 0.5942 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 173/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5861 - accuracy: 0.5938
Epoch 173: val_loss did not improve from 0.59421
11/11 [=====] - 0s 8ms/step - loss: 0.6023 - accuracy: 0.
6207 - val_loss: 0.5980 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 174/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6238 - accuracy: 0.7188
Epoch 174: val_loss did not improve from 0.59421
11/11 [=====] - 0s 9ms/step - loss: 0.6023 - accuracy: 0.
6293 - val_loss: 0.6141 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 175/1000
11/11 [=====] - ETA: 0s - loss: 0.6025 - accuracy: 0.6236
Epoch 175: val_loss did not improve from 0.59421
11/11 [=====] - 0s 10ms/step - loss: 0.6025 - accuracy: 0.
6236 - val_loss: 0.6070 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 176/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6279 - accuracy: 0.6875
Epoch 176: val_loss did not improve from 0.59421
11/11 [=====] - 0s 9ms/step - loss: 0.6050 - accuracy: 0.
6236 - val_loss: 0.5983 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 177/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6461 - accuracy: 0.5938
Epoch 177: val_loss did not improve from 0.59421
11/11 [=====] - 0s 9ms/step - loss: 0.6082 - accuracy: 0.
6207 - val_loss: 0.6045 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 178/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4868 - accuracy: 0.6250
Epoch 178: val_loss did not improve from 0.59421
11/11 [=====] - 0s 8ms/step - loss: 0.6028 - accuracy: 0.
6178 - val_loss: 0.6114 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 179/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6687 - accuracy: 0.5000
Epoch 179: val_loss did not improve from 0.59421
11/11 [=====] - 0s 9ms/step - loss: 0.6042 - accuracy: 0.
6293 - val_loss: 0.5972 - val_accuracy: 0.6000 - lr: 0.0090
```

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Epoch 180/1000
1/11 [=>........................] - ETA: 0s - loss: 0.5799 - accuracy: 0.6562
Epoch 180: val_loss did not improve from 0.59421
11/11 [=====] - 0s 9ms/step - loss: 0.6019 - accuracy: 0.
6322 - val_loss: 0.6104 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 181/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6605 - accuracy: 0.7188
Epoch 181: val_loss did not improve from 0.59421
11/11 [=====] - 0s 9ms/step - loss: 0.6077 - accuracy: 0.
6293 - val_loss: 0.6015 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 182/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6469 - accuracy: 0.6562
Epoch 182: val_loss did not improve from 0.59421
11/11 [=====] - 0s 9ms/step - loss: 0.6100 - accuracy: 0.
6149 - val_loss: 0.6069 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 183/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6759 - accuracy: 0.5625
Epoch 183: val_loss did not improve from 0.59421
11/11 [=====] - 0s 9ms/step - loss: 0.5979 - accuracy: 0.
6293 - val_loss: 0.6037 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 184/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6464 - accuracy: 0.6250
Epoch 184: val_loss did not improve from 0.59421
11/11 [=====] - 0s 9ms/step - loss: 0.6012 - accuracy: 0.
6264 - val_loss: 0.6185 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 185/1000
11/11 [=====] - ETA: 0s - loss: 0.5986 - accuracy: 0.6322
Epoch 185: val_loss did not improve from 0.59421
11/11 [=====] - 0s 11ms/step - loss: 0.5986 - accuracy:
0.6322 - val_loss: 0.5998 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 186/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6104 - accuracy: 0.5625
Epoch 186: val_loss did not improve from 0.59421
11/11 [=====] - 0s 8ms/step - loss: 0.5970 - accuracy: 0.
6293 - val_loss: 0.5961 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 187/1000
1/11 [=>........................] - ETA: 0s - loss: 0.5761 - accuracy: 0.6875
Epoch 187: val_loss did not improve from 0.59421
11/11 [=====] - 0s 8ms/step - loss: 0.5968 - accuracy: 0.
6351 - val_loss: 0.5963 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 188/1000
1/11 [=>........................] - ETA: 0s - loss: 0.5894 - accuracy: 0.6250
Epoch 188: val_loss did not improve from 0.59421
11/11 [=====] - 0s 9ms/step - loss: 0.5963 - accuracy: 0.
6264 - val_loss: 0.5947 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 189/1000
1/11 [=>........................] - ETA: 0s - loss: 0.5312 - accuracy: 0.7188
Epoch 189: val_loss improved from 0.59421 to 0.59219, saving model to tmp/Weights-
189--0.59219.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5947 - accuracy:
0.6322 - val_loss: 0.5922 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 190/1000
1/11 [=>........................] - ETA: 0s - loss: 0.5766 - accuracy: 0.7188
Epoch 190: val_loss did not improve from 0.59219
11/11 [=====] - 0s 8ms/step - loss: 0.5964 - accuracy: 0.
6351 - val_loss: 0.5977 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 191/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6241 - accuracy: 0.6250
Epoch 191: val_loss did not improve from 0.59219
11/11 [=====] - 0s 8ms/step - loss: 0.5953 - accuracy: 0.
6236 - val_loss: 0.5936 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 192/1000
1/11 [=>........................] - ETA: 0s - loss: 0.5178 - accuracy: 0.8125
Epoch 192: val_loss did not improve from 0.59219
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11/11 [=====] - 0s 8ms/step - loss: 0.5965 - accuracy: 0.  
6351 - val_loss: 0.5947 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 193/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6531 - accuracy: 0.4688  
Epoch 193: val_loss did not improve from 0.59219  
11/11 [=====] - 0s 9ms/step - loss: 0.5951 - accuracy: 0.  
6379 - val_loss: 0.6022 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 194/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6566 - accuracy: 0.5625  
Epoch 194: val_loss did not improve from 0.59219  
11/11 [=====] - 0s 8ms/step - loss: 0.5938 - accuracy: 0.  
6322 - val_loss: 0.5982 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 195/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6111 - accuracy: 0.5938  
Epoch 195: val_loss did not improve from 0.59219  
11/11 [=====] - 0s 10ms/step - loss: 0.5945 - accuracy:  
0.6379 - val_loss: 0.5949 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 196/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6506 - accuracy: 0.5312  
Epoch 196: val_loss improved from 0.59219 to 0.59057, saving model to tmp/Weights-  
196--0.59057.hdf5  
11/11 [=====] - 0s 11ms/step - loss: 0.5943 - accuracy:  
0.6437 - val_loss: 0.5906 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 197/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6043 - accuracy: 0.5625  
Epoch 197: val_loss did not improve from 0.59057  
11/11 [=====] - 0s 8ms/step - loss: 0.5914 - accuracy: 0.  
6322 - val_loss: 0.6117 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 198/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5686 - accuracy: 0.6250  
Epoch 198: val_loss did not improve from 0.59057  
11/11 [=====] - 0s 10ms/step - loss: 0.5943 - accuracy:  
0.6437 - val_loss: 0.5946 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 199/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6358 - accuracy: 0.5625  
Epoch 199: val_loss did not improve from 0.59057  
11/11 [=====] - 0s 9ms/step - loss: 0.5994 - accuracy: 0.  
6207 - val_loss: 0.5977 - val_accuracy: 0.5933 - lr: 0.0090  
Epoch 200/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5903 - accuracy: 0.5625  
Epoch 200: val_loss did not improve from 0.59057  
11/11 [=====] - 0s 9ms/step - loss: 0.6040 - accuracy: 0.  
6207 - val_loss: 0.6286 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 201/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5860 - accuracy: 0.6562  
Epoch 201: val_loss did not improve from 0.59057  
11/11 [=====] - 0s 10ms/step - loss: 0.5994 - accuracy:  
0.6408 - val_loss: 0.6005 - val_accuracy: 0.6000 - lr: 0.0090  
Epoch 202/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6084 - accuracy: 0.5938  
Epoch 202: val_loss did not improve from 0.59057  
11/11 [=====] - 0s 8ms/step - loss: 0.5989 - accuracy: 0.  
6351 - val_loss: 0.6329 - val_accuracy: 0.5600 - lr: 0.0090  
Epoch 203/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6212 - accuracy: 0.6562  
Epoch 203: val_loss improved from 0.59057 to 0.58944, saving model to tmp/Weights-  
203--0.58944.hdf5  
11/11 [=====] - 0s 11ms/step - loss: 0.6014 - accuracy:  
0.6207 - val_loss: 0.5894 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 204/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6197 - accuracy: 0.7188  
Epoch 204: val_loss did not improve from 0.58944  
11/11 [=====] - 0s 9ms/step - loss: 0.6021 - accuracy: 0.  
6351 - val_loss: 0.6017 - val_accuracy: 0.6067 - lr: 0.0090
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Epoch 205/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5833 - accuracy: 0.6875
Epoch 205: val_loss did not improve from 0.58944
11/11 [=====] - 0s 8ms/step - loss: 0.6055 - accuracy: 0.
6063 - val_loss: 0.6111 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 206/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5550 - accuracy: 0.7500
Epoch 206: val_loss did not improve from 0.58944
11/11 [=====] - 0s 8ms/step - loss: 0.6053 - accuracy: 0.
6264 - val_loss: 0.6060 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 207/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6600 - accuracy: 0.5312
Epoch 207: val_loss did not improve from 0.58944
11/11 [=====] - 0s 8ms/step - loss: 0.5990 - accuracy: 0.
6322 - val_loss: 0.5963 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 208/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6296 - accuracy: 0.5625
Epoch 208: val_loss did not improve from 0.58944
11/11 [=====] - 0s 8ms/step - loss: 0.5932 - accuracy: 0.
6264 - val_loss: 0.5911 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 209/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6337 - accuracy: 0.6562
Epoch 209: val_loss did not improve from 0.58944
11/11 [=====] - 0s 8ms/step - loss: 0.5926 - accuracy: 0.
6379 - val_loss: 0.6075 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 210/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5970 - accuracy: 0.6562
Epoch 210: val_loss improved from 0.58944 to 0.58694, saving model to tmp/Weights-210--0.58694.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5916 - accuracy: 0.
6351 - val_loss: 0.5869 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 211/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5765 - accuracy: 0.8125
Epoch 211: val_loss improved from 0.58694 to 0.58539, saving model to tmp/Weights-211--0.58539.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5875 - accuracy: 0.
6408 - val_loss: 0.5854 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 212/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6088 - accuracy: 0.6875
Epoch 212: val_loss did not improve from 0.58539
11/11 [=====] - 0s 8ms/step - loss: 0.5863 - accuracy: 0.
6437 - val_loss: 0.5950 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 213/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6595 - accuracy: 0.5000
Epoch 213: val_loss did not improve from 0.58539
11/11 [=====] - 0s 8ms/step - loss: 0.5877 - accuracy: 0.
6379 - val_loss: 0.5862 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 214/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5159 - accuracy: 0.7188
Epoch 214: val_loss did not improve from 0.58539
11/11 [=====] - 0s 8ms/step - loss: 0.5909 - accuracy: 0.
6322 - val_loss: 0.6137 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 215/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5999 - accuracy: 0.6250
Epoch 215: val_loss did not improve from 0.58539
11/11 [=====] - 0s 9ms/step - loss: 0.5948 - accuracy: 0.
6523 - val_loss: 0.5969 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 216/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6657 - accuracy: 0.6250
Epoch 216: val_loss did not improve from 0.58539
11/11 [=====] - 0s 9ms/step - loss: 0.5874 - accuracy: 0.
6552 - val_loss: 0.5922 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 217/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6251 - accuracy: 0.5000
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Epoch 217: val_loss did not improve from 0.58539
11/11 [=====] - 0s 9ms/step - loss: 0.5853 - accuracy: 0.
6351 - val_loss: 0.5868 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 218/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5712 - accuracy: 0.6875
Epoch 218: val_loss improved from 0.58539 to 0.58213, saving model to tmp/Weights-218--0.58213.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5833 - accuracy:
0.6437 - val_loss: 0.5821 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 219/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6075 - accuracy: 0.6875
Epoch 219: val_loss did not improve from 0.58213
11/11 [=====] - 0s 9ms/step - loss: 0.5833 - accuracy: 0.
6322 - val_loss: 0.5836 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 220/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6535 - accuracy: 0.5312
Epoch 220: val_loss did not improve from 0.58213
11/11 [=====] - 0s 8ms/step - loss: 0.5819 - accuracy: 0.
6494 - val_loss: 0.5873 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 221/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5431 - accuracy: 0.8125
Epoch 221: val_loss did not improve from 0.58213
11/11 [=====] - 0s 9ms/step - loss: 0.5822 - accuracy: 0.
6466 - val_loss: 0.5918 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 222/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6020 - accuracy: 0.6875
Epoch 222: val_loss did not improve from 0.58213
11/11 [=====] - 0s 9ms/step - loss: 0.5855 - accuracy: 0.
6379 - val_loss: 0.5837 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 223/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6107 - accuracy: 0.5938
Epoch 223: val_loss did not improve from 0.58213
11/11 [=====] - 0s 8ms/step - loss: 0.5873 - accuracy: 0.
6408 - val_loss: 0.5918 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 224/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6318 - accuracy: 0.6250
Epoch 224: val_loss did not improve from 0.58213
11/11 [=====] - 0s 9ms/step - loss: 0.5861 - accuracy: 0.
6408 - val_loss: 0.5925 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 225/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6082 - accuracy: 0.5938
Epoch 225: val_loss did not improve from 0.58213
11/11 [=====] - 0s 8ms/step - loss: 0.5873 - accuracy: 0.
6379 - val_loss: 0.5940 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 226/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5119 - accuracy: 0.7500
Epoch 226: val_loss did not improve from 0.58213
11/11 [=====] - 0s 9ms/step - loss: 0.5833 - accuracy: 0.
6523 - val_loss: 0.6130 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 227/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5496 - accuracy: 0.7188
Epoch 227: val_loss did not improve from 0.58213
11/11 [=====] - 0s 9ms/step - loss: 0.5804 - accuracy: 0.
6408 - val_loss: 0.5893 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 228/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5116 - accuracy: 0.6562
Epoch 228: val_loss did not improve from 0.58213
11/11 [=====] - 0s 9ms/step - loss: 0.5799 - accuracy: 0.
6379 - val_loss: 0.5916 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 229/1000
11/11 [=====] - ETA: 0s - loss: 0.5810 - accuracy: 0.6408
Epoch 229: val_loss did not improve from 0.58213
11/11 [=====] - 0s 11ms/step - loss: 0.5810 - accuracy:
0.6408 - val_loss: 0.5879 - val_accuracy: 0.6067 - lr: 0.0090
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Epoch 230/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6499 - accuracy: 0.5000
Epoch 230: val_loss did not improve from 0.58213
11/11 [=====] - 0s 10ms/step - loss: 0.5794 - accuracy: 0.6351 - val_loss: 0.5900 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 231/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5905 - accuracy: 0.6250
Epoch 231: val_loss did not improve from 0.58213
11/11 [=====] - 0s 9ms/step - loss: 0.5781 - accuracy: 0.6437 - val_loss: 0.5886 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 232/1000
11/11 [=====] - ETA: 0s - loss: 0.5744 - accuracy: 0.6408
Epoch 232: val_loss did not improve from 0.58213
11/11 [=====] - 0s 10ms/step - loss: 0.5744 - accuracy: 0.6408 - val_loss: 0.5870 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 233/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4862 - accuracy: 0.7188
Epoch 233: val_loss did not improve from 0.58213
11/11 [=====] - 0s 8ms/step - loss: 0.5764 - accuracy: 0.6408 - val_loss: 0.5985 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 234/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5009 - accuracy: 0.8125
Epoch 234: val_loss did not improve from 0.58213
11/11 [=====] - 0s 9ms/step - loss: 0.5736 - accuracy: 0.6408 - val_loss: 0.6124 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 235/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6238 - accuracy: 0.6250
Epoch 235: val_loss did not improve from 0.58213
11/11 [=====] - 0s 9ms/step - loss: 0.5734 - accuracy: 0.6494 - val_loss: 0.5961 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 236/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6498 - accuracy: 0.5625
Epoch 236: val_loss did not improve from 0.58213
11/11 [=====] - 0s 9ms/step - loss: 0.5743 - accuracy: 0.6379 - val_loss: 0.5833 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 237/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5106 - accuracy: 0.8125
Epoch 237: val_loss did not improve from 0.58213
11/11 [=====] - 0s 9ms/step - loss: 0.5737 - accuracy: 0.6523 - val_loss: 0.5894 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 238/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5535 - accuracy: 0.7188
Epoch 238: val_loss did not improve from 0.58213
11/11 [=====] - 0s 9ms/step - loss: 0.5714 - accuracy: 0.6408 - val_loss: 0.6149 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 239/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6387 - accuracy: 0.4688
Epoch 239: val_loss did not improve from 0.58213
11/11 [=====] - 0s 9ms/step - loss: 0.5762 - accuracy: 0.6408 - val_loss: 0.5882 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 240/1000
11/11 [=====] - ETA: 0s - loss: 0.5707 - accuracy: 0.6494
Epoch 240: val_loss did not improve from 0.58213
11/11 [=====] - 0s 10ms/step - loss: 0.5707 - accuracy: 0.6494 - val_loss: 0.5854 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 241/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6186 - accuracy: 0.6250
Epoch 241: val_loss did not improve from 0.58213
11/11 [=====] - 0s 9ms/step - loss: 0.5705 - accuracy: 0.6466 - val_loss: 0.5923 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 242/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6333 - accuracy: 0.6250
Epoch 242: val_loss did not improve from 0.58213
11/11 [=====] - 0s 9ms/step - loss: 0.5679 - accuracy: 0.
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6466 - val_loss: 0.6017 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 243/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5499 - accuracy: 0.6562
Epoch 243: val_loss did not improve from 0.58213
11/11 [=====] - 0s 9ms/step - loss: 0.5689 - accuracy: 0.
6408 - val_loss: 0.5868 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 244/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5802 - accuracy: 0.5938
Epoch 244: val_loss did not improve from 0.58213
11/11 [=====] - 0s 9ms/step - loss: 0.5690 - accuracy: 0.
6437 - val_loss: 0.5879 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 245/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5416 - accuracy: 0.6875
Epoch 245: val_loss did not improve from 0.58213
11/11 [=====] - 0s 8ms/step - loss: 0.5668 - accuracy: 0.
6523 - val_loss: 0.5880 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 246/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5628 - accuracy: 0.5625
Epoch 246: val_loss improved from 0.58213 to 0.58097, saving model to tmp/Weights-246--0.58097.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5685 - accuracy: 0.
6437 - val_loss: 0.5810 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 247/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5214 - accuracy: 0.7188
Epoch 247: val_loss did not improve from 0.58097
11/11 [=====] - 0s 10ms/step - loss: 0.5710 - accuracy: 0.
6437 - val_loss: 0.6035 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 248/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6503 - accuracy: 0.5000
Epoch 248: val_loss did not improve from 0.58097
11/11 [=====] - 0s 8ms/step - loss: 0.5683 - accuracy: 0.
6523 - val_loss: 0.5837 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 249/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5382 - accuracy: 0.6562
Epoch 249: val_loss did not improve from 0.58097
11/11 [=====] - 0s 9ms/step - loss: 0.5683 - accuracy: 0.
6437 - val_loss: 0.5856 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 250/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5742 - accuracy: 0.5625
Epoch 250: val_loss did not improve from 0.58097
11/11 [=====] - 0s 9ms/step - loss: 0.5671 - accuracy: 0.
6466 - val_loss: 0.5888 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 251/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6674 - accuracy: 0.5312
Epoch 251: val_loss did not improve from 0.58097
11/11 [=====] - 0s 9ms/step - loss: 0.5667 - accuracy: 0.
6437 - val_loss: 0.5879 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 252/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5773 - accuracy: 0.6562
Epoch 252: val_loss did not improve from 0.58097
11/11 [=====] - 0s 9ms/step - loss: 0.5689 - accuracy: 0.
6466 - val_loss: 0.5858 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 253/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5748 - accuracy: 0.6875
Epoch 253: val_loss did not improve from 0.58097
11/11 [=====] - 0s 9ms/step - loss: 0.5673 - accuracy: 0.
6437 - val_loss: 0.5836 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 254/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4692 - accuracy: 0.7188
Epoch 254: val_loss did not improve from 0.58097
11/11 [=====] - 0s 9ms/step - loss: 0.5670 - accuracy: 0.
6466 - val_loss: 0.6068 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 255/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4890 - accuracy: 0.7188
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Epoch 255: val_loss did not improve from 0.58097
11/11 [=====] - 0s 9ms/step - loss: 0.5683 - accuracy: 0.
6351 - val_loss: 0.5868 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 256/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5347 - accuracy: 0.5625
Epoch 256: val_loss did not improve from 0.58097
11/11 [=====] - 0s 8ms/step - loss: 0.5700 - accuracy: 0.
6552 - val_loss: 0.5927 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 257/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5471 - accuracy: 0.6875
Epoch 257: val_loss did not improve from 0.58097
11/11 [=====] - 0s 9ms/step - loss: 0.5660 - accuracy: 0.
6466 - val_loss: 0.5814 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 258/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6379 - accuracy: 0.5625
Epoch 258: val_loss did not improve from 0.58097
11/11 [=====] - 0s 9ms/step - loss: 0.5653 - accuracy: 0.
6494 - val_loss: 0.5966 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 259/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5588 - accuracy: 0.5938
Epoch 259: val_loss did not improve from 0.58097
11/11 [=====] - 0s 9ms/step - loss: 0.5667 - accuracy: 0.
6494 - val_loss: 0.5827 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 260/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4482 - accuracy: 0.8125
Epoch 260: val_loss did not improve from 0.58097
11/11 [=====] - 0s 9ms/step - loss: 0.5657 - accuracy: 0.
6523 - val_loss: 0.5825 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 261/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5365 - accuracy: 0.6562
Epoch 261: val_loss did not improve from 0.58097
11/11 [=====] - 0s 9ms/step - loss: 0.5654 - accuracy: 0.
6494 - val_loss: 0.5820 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 262/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6378 - accuracy: 0.5625
Epoch 262: val_loss did not improve from 0.58097
11/11 [=====] - 0s 9ms/step - loss: 0.5686 - accuracy: 0.
6437 - val_loss: 0.5815 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 263/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6084 - accuracy: 0.5312
Epoch 263: val_loss did not improve from 0.58097
11/11 [=====] - 0s 8ms/step - loss: 0.5669 - accuracy: 0.
6466 - val_loss: 0.5924 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 264/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5734 - accuracy: 0.6250
Epoch 264: val_loss did not improve from 0.58097
11/11 [=====] - 0s 8ms/step - loss: 0.5677 - accuracy: 0.
6437 - val_loss: 0.5825 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 265/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5968 - accuracy: 0.6250
Epoch 265: val_loss did not improve from 0.58097
11/11 [=====] - 0s 10ms/step - loss: 0.5659 - accuracy:
0.6437 - val_loss: 0.5860 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 266/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5065 - accuracy: 0.6875
Epoch 266: val_loss did not improve from 0.58097
11/11 [=====] - 0s 8ms/step - loss: 0.5659 - accuracy: 0.
6466 - val_loss: 0.5888 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 267/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4153 - accuracy: 0.7500
Epoch 267: val_loss did not improve from 0.58097
11/11 [=====] - 0s 8ms/step - loss: 0.5689 - accuracy: 0.
6236 - val_loss: 0.5857 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 268/1000
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11/11 [=====] - ETA: 0s - loss: 0.5675 - accuracy: 0.6236
Epoch 268: val_loss improved from 0.58097 to 0.57194, saving model to tmp/Weights-268--0.57194.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5675 - accuracy: 0.6236 - val_loss: 0.5719 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 269/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6115 - accuracy: 0.5312
Epoch 269: val_loss did not improve from 0.57194
11/11 [=====] - 0s 8ms/step - loss: 0.5662 - accuracy: 0.6264 - val_loss: 0.5739 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 270/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5661 - accuracy: 0.5938
Epoch 270: val_loss did not improve from 0.57194
11/11 [=====] - 0s 8ms/step - loss: 0.5672 - accuracy: 0.6379 - val_loss: 0.5973 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 271/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5668 - accuracy: 0.5938
Epoch 271: val_loss did not improve from 0.57194
11/11 [=====] - 0s 9ms/step - loss: 0.5743 - accuracy: 0.6121 - val_loss: 0.5952 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 272/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5513 - accuracy: 0.5938
Epoch 272: val_loss did not improve from 0.57194
11/11 [=====] - 0s 8ms/step - loss: 0.5682 - accuracy: 0.6264 - val_loss: 0.5736 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 273/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5611 - accuracy: 0.6250
Epoch 273: val_loss did not improve from 0.57194
11/11 [=====] - 0s 8ms/step - loss: 0.5661 - accuracy: 0.6351 - val_loss: 0.5738 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 274/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5818 - accuracy: 0.6250
Epoch 274: val_loss did not improve from 0.57194
11/11 [=====] - 0s 9ms/step - loss: 0.5646 - accuracy: 0.6466 - val_loss: 0.5803 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 275/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5526 - accuracy: 0.6562
Epoch 275: val_loss did not improve from 0.57194
11/11 [=====] - 0s 9ms/step - loss: 0.5641 - accuracy: 0.6437 - val_loss: 0.5877 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 276/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5900 - accuracy: 0.6250
Epoch 276: val_loss did not improve from 0.57194
11/11 [=====] - 0s 9ms/step - loss: 0.5660 - accuracy: 0.6379 - val_loss: 0.5733 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 277/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5524 - accuracy: 0.6562
Epoch 277: val_loss did not improve from 0.57194
11/11 [=====] - 0s 8ms/step - loss: 0.5672 - accuracy: 0.6466 - val_loss: 0.5783 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 278/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6379 - accuracy: 0.4375
Epoch 278: val_loss did not improve from 0.57194
11/11 [=====] - 0s 8ms/step - loss: 0.5643 - accuracy: 0.6437 - val_loss: 0.5924 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 279/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5768 - accuracy: 0.5938
Epoch 279: val_loss improved from 0.57194 to 0.57054, saving model to tmp/Weights-279--0.57054.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5706 - accuracy: 0.6207 - val_loss: 0.5705 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 280/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5708 - accuracy: 0.6250
Epoch 280: val_loss did not improve from 0.57054
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11/11 [=====] - 0s 9ms/step - loss: 0.5669 - accuracy: 0.  
6351 - val_loss: 0.5854 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 281/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5950 - accuracy: 0.5625  
Epoch 281: val_loss did not improve from 0.57054  
11/11 [=====] - 0s 10ms/step - loss: 0.5662 - accuracy:  
0.6379 - val_loss: 0.5751 - val_accuracy: 0.6267 - lr: 0.0090  
Epoch 282/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5765 - accuracy: 0.6562  
Epoch 282: val_loss did not improve from 0.57054  
11/11 [=====] - 0s 9ms/step - loss: 0.5611 - accuracy: 0.  
6437 - val_loss: 0.5796 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 283/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5304 - accuracy: 0.6875  
Epoch 283: val_loss did not improve from 0.57054  
11/11 [=====] - 0s 9ms/step - loss: 0.5632 - accuracy: 0.  
6437 - val_loss: 0.5785 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 284/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4988 - accuracy: 0.7812  
Epoch 284: val_loss did not improve from 0.57054  
11/11 [=====] - 0s 10ms/step - loss: 0.5642 - accuracy:  
0.6408 - val_loss: 0.5858 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 285/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5748 - accuracy: 0.5938  
Epoch 285: val_loss did not improve from 0.57054  
11/11 [=====] - 0s 10ms/step - loss: 0.5628 - accuracy:  
0.6437 - val_loss: 0.5790 - val_accuracy: 0.6267 - lr: 0.0090  
Epoch 286/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5936 - accuracy: 0.5625  
Epoch 286: val_loss did not improve from 0.57054  
11/11 [=====] - 0s 8ms/step - loss: 0.5636 - accuracy: 0.  
6437 - val_loss: 0.5939 - val_accuracy: 0.6000 - lr: 0.0090  
Epoch 287/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6341 - accuracy: 0.5938  
Epoch 287: val_loss did not improve from 0.57054  
11/11 [=====] - 0s 9ms/step - loss: 0.5651 - accuracy: 0.  
6437 - val_loss: 0.5734 - val_accuracy: 0.6267 - lr: 0.0090  
Epoch 288/1000  
11/11 [=====] - ETA: 0s - loss: 0.5623 - accuracy: 0.6408  
Epoch 288: val_loss did not improve from 0.57054  
11/11 [=====] - 0s 11ms/step - loss: 0.5623 - accuracy:  
0.6408 - val_loss: 0.5763 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 289/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5912 - accuracy: 0.6250  
Epoch 289: val_loss did not improve from 0.57054  
11/11 [=====] - 0s 10ms/step - loss: 0.5652 - accuracy:  
0.6351 - val_loss: 0.5986 - val_accuracy: 0.6200 - lr: 0.0090  
Epoch 290/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5968 - accuracy: 0.7188  
Epoch 290: val_loss did not improve from 0.57054  
11/11 [=====] - 0s 9ms/step - loss: 0.5718 - accuracy: 0.  
6466 - val_loss: 0.5751 - val_accuracy: 0.6200 - lr: 0.0090  
Epoch 291/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4968 - accuracy: 0.7812  
Epoch 291: val_loss did not improve from 0.57054  
11/11 [=====] - 0s 9ms/step - loss: 0.5690 - accuracy: 0.  
6293 - val_loss: 0.5874 - val_accuracy: 0.6267 - lr: 0.0090  
Epoch 292/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6351 - accuracy: 0.5625  
Epoch 292: val_loss did not improve from 0.57054  
11/11 [=====] - 0s 9ms/step - loss: 0.5649 - accuracy: 0.  
6494 - val_loss: 0.5799 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 293/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4993 - accuracy: 0.7500
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Epoch 293: val_loss did not improve from 0.57054
11/11 [=====] - 0s 9ms/step - loss: 0.5666 - accuracy: 0.
6408 - val_loss: 0.5893 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 294/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5377 - accuracy: 0.6562
Epoch 294: val_loss improved from 0.57054 to 0.56706, saving model to tmp/Weights-294--0.56706.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5707 - accuracy: 0.6322 - val_loss: 0.5671 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 295/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5685 - accuracy: 0.5938
Epoch 295: val_loss did not improve from 0.56706
11/11 [=====] - 0s 9ms/step - loss: 0.5677 - accuracy: 0.
6236 - val_loss: 0.5768 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 296/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5441 - accuracy: 0.5625
Epoch 296: val_loss did not improve from 0.56706
11/11 [=====] - 0s 9ms/step - loss: 0.5630 - accuracy: 0.
6293 - val_loss: 0.5756 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 297/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5465 - accuracy: 0.6875
Epoch 297: val_loss did not improve from 0.56706
11/11 [=====] - 0s 9ms/step - loss: 0.5645 - accuracy: 0.
6379 - val_loss: 0.5725 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 298/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5556 - accuracy: 0.7188
Epoch 298: val_loss did not improve from 0.56706
11/11 [=====] - 0s 9ms/step - loss: 0.5602 - accuracy: 0.
6351 - val_loss: 0.5720 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 299/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5795 - accuracy: 0.6562
Epoch 299: val_loss improved from 0.56706 to 0.56549, saving model to tmp/Weights-299--0.56549.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5595 - accuracy: 0.
6408 - val_loss: 0.5655 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 300/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5989 - accuracy: 0.6250
Epoch 300: val_loss did not improve from 0.56549
11/11 [=====] - 0s 9ms/step - loss: 0.5606 - accuracy: 0.
6437 - val_loss: 0.5751 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 301/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4934 - accuracy: 0.7188
Epoch 301: val_loss did not improve from 0.56549
11/11 [=====] - 0s 9ms/step - loss: 0.5594 - accuracy: 0.
6408 - val_loss: 0.5665 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 302/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5849 - accuracy: 0.6250
Epoch 302: val_loss did not improve from 0.56549
11/11 [=====] - 0s 9ms/step - loss: 0.5618 - accuracy: 0.
6408 - val_loss: 0.5712 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 303/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5720 - accuracy: 0.5625
Epoch 303: val_loss did not improve from 0.56549
11/11 [=====] - 0s 9ms/step - loss: 0.5609 - accuracy: 0.
6437 - val_loss: 0.6263 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 304/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5976 - accuracy: 0.6562
Epoch 304: val_loss did not improve from 0.56549
11/11 [=====] - 0s 8ms/step - loss: 0.5756 - accuracy: 0.
6322 - val_loss: 0.5718 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 305/1000
1/11 [=====] - ETA: 0s - loss: 0.5640 - accuracy: 0.6351
Epoch 305: val_loss did not improve from 0.56549
11/11 [=====] - 0s 10ms/step - loss: 0.5640 - accuracy:
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0.6351 - val_loss: 0.6710 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 306/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6688 - accuracy: 0.5312
Epoch 306: val_loss did not improve from 0.56549
11/11 [=====] - 0s 9ms/step - loss: 0.5763 - accuracy: 0.
6264 - val_loss: 0.5860 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 307/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5959 - accuracy: 0.6250
Epoch 307: val_loss did not improve from 0.56549
11/11 [=====] - 0s 10ms/step - loss: 0.5768 - accuracy:
0.6293 - val_loss: 0.6559 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 308/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5950 - accuracy: 0.6562
Epoch 308: val_loss did not improve from 0.56549
11/11 [=====] - 0s 9ms/step - loss: 0.5817 - accuracy: 0.
6408 - val_loss: 0.6374 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 309/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6439 - accuracy: 0.6250
Epoch 309: val_loss did not improve from 0.56549
11/11 [=====] - 0s 9ms/step - loss: 0.5760 - accuracy: 0.
6408 - val_loss: 0.6532 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 310/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5080 - accuracy: 0.7188
Epoch 310: val_loss did not improve from 0.56549
11/11 [=====] - 0s 9ms/step - loss: 0.5766 - accuracy: 0.
6379 - val_loss: 0.6455 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 311/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5807 - accuracy: 0.5312
Epoch 311: val_loss improved from 0.56549 to 0.56492, saving model to tmp/Weights-
311--0.56492.hdf5
11/11 [=====] - 0s 15ms/step - loss: 0.5662 - accuracy:
0.6379 - val_loss: 0.5649 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 312/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5417 - accuracy: 0.5938
Epoch 312: val_loss did not improve from 0.56492
11/11 [=====] - 0s 9ms/step - loss: 0.5643 - accuracy: 0.
6264 - val_loss: 0.5761 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 313/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5438 - accuracy: 0.7188
Epoch 313: val_loss did not improve from 0.56492
11/11 [=====] - 0s 8ms/step - loss: 0.5652 - accuracy: 0.
6408 - val_loss: 0.5665 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 314/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5399 - accuracy: 0.6875
Epoch 314: val_loss did not improve from 0.56492
11/11 [=====] - 0s 9ms/step - loss: 0.5685 - accuracy: 0.
6351 - val_loss: 0.5734 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 315/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5827 - accuracy: 0.6875
Epoch 315: val_loss did not improve from 0.56492
11/11 [=====] - 0s 9ms/step - loss: 0.5669 - accuracy: 0.
6322 - val_loss: 0.5894 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 316/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5509 - accuracy: 0.5625
Epoch 316: val_loss did not improve from 0.56492
11/11 [=====] - 0s 9ms/step - loss: 0.5628 - accuracy: 0.
6351 - val_loss: 0.5711 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 317/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5101 - accuracy: 0.6562
Epoch 317: val_loss improved from 0.56492 to 0.56344, saving model to tmp/Weights-
317--0.56344.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5593 - accuracy:
0.6379 - val_loss: 0.5634 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 318/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5268 - accuracy: 0.7188
Epoch 318: val_loss did not improve from 0.56344
11/11 [=====] - 0s 8ms/step - loss: 0.5603 - accuracy: 0.
6379 - val_loss: 0.5741 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 319/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4955 - accuracy: 0.7500
Epoch 319: val_loss did not improve from 0.56344
11/11 [=====] - 0s 9ms/step - loss: 0.5606 - accuracy: 0.
6322 - val_loss: 0.5721 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 320/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5592 - accuracy: 0.7188
Epoch 320: val_loss did not improve from 0.56344
11/11 [=====] - 0s 9ms/step - loss: 0.5582 - accuracy: 0.
6351 - val_loss: 0.5649 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 321/1000
11/11 [=====] - ETA: 0s - loss: 0.5583 - accuracy: 0.6466
Epoch 321: val_loss did not improve from 0.56344
11/11 [=====] - 0s 10ms/step - loss: 0.5583 - accuracy:
0.6466 - val_loss: 0.5731 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 322/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5848 - accuracy: 0.5938
Epoch 322: val_loss did not improve from 0.56344
11/11 [=====] - 0s 8ms/step - loss: 0.5586 - accuracy: 0.
6293 - val_loss: 0.5719 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 323/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5394 - accuracy: 0.6562
Epoch 323: val_loss did not improve from 0.56344
11/11 [=====] - 0s 8ms/step - loss: 0.5572 - accuracy: 0.
6437 - val_loss: 0.5709 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 324/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4964 - accuracy: 0.7188
Epoch 324: val_loss did not improve from 0.56344
11/11 [=====] - 0s 9ms/step - loss: 0.5572 - accuracy: 0.
6466 - val_loss: 0.5690 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 325/1000
11/11 [=====] - ETA: 0s - loss: 0.5575 - accuracy: 0.6466
Epoch 325: val_loss did not improve from 0.56344
11/11 [=====] - 0s 9ms/step - loss: 0.5575 - accuracy: 0.
6466 - val_loss: 0.5728 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 326/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5216 - accuracy: 0.6875
Epoch 326: val_loss did not improve from 0.56344
11/11 [=====] - 0s 8ms/step - loss: 0.5569 - accuracy: 0.
6437 - val_loss: 0.5680 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 327/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5631 - accuracy: 0.6250
Epoch 327: val_loss did not improve from 0.56344
11/11 [=====] - 0s 8ms/step - loss: 0.5576 - accuracy: 0.
6437 - val_loss: 0.5658 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 328/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5185 - accuracy: 0.5938
Epoch 328: val_loss improved from 0.56344 to 0.56198, saving model to tmp/Weights-
328--0.56198.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5577 - accuracy:
0.6379 - val_loss: 0.5620 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 329/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5164 - accuracy: 0.6875
Epoch 329: val_loss did not improve from 0.56198
11/11 [=====] - 0s 8ms/step - loss: 0.5562 - accuracy: 0.
6494 - val_loss: 0.5708 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 330/1000
11/11 [=====] - ETA: 0s - loss: 0.5566 - accuracy: 0.6494
Epoch 330: val_loss did not improve from 0.56198
11/11 [=====] - 0s 10ms/step - loss: 0.5566 - accuracy:
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0.6494 - val_loss: 0.5746 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 331/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5842 - accuracy: 0.6562
Epoch 331: val_loss did not improve from 0.56198
11/11 [=====] - 0s 9ms/step - loss: 0.5578 - accuracy: 0.
6408 - val_loss: 0.5636 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 332/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5278 - accuracy: 0.7500
Epoch 332: val_loss did not improve from 0.56198
11/11 [=====] - 0s 8ms/step - loss: 0.5584 - accuracy: 0.
6466 - val_loss: 0.5694 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 333/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6002 - accuracy: 0.5312
Epoch 333: val_loss did not improve from 0.56198
11/11 [=====] - 0s 9ms/step - loss: 0.5563 - accuracy: 0.
6494 - val_loss: 0.5727 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 334/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5946 - accuracy: 0.5938
Epoch 334: val_loss did not improve from 0.56198
11/11 [=====] - 0s 8ms/step - loss: 0.5564 - accuracy: 0.
6408 - val_loss: 0.5724 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 335/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6023 - accuracy: 0.6562
Epoch 335: val_loss did not improve from 0.56198
11/11 [=====] - 0s 8ms/step - loss: 0.5570 - accuracy: 0.
6466 - val_loss: 0.5662 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 336/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5248 - accuracy: 0.7188
Epoch 336: val_loss did not improve from 0.56198
11/11 [=====] - 0s 9ms/step - loss: 0.5561 - accuracy: 0.
6494 - val_loss: 0.5679 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 337/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5777 - accuracy: 0.6250
Epoch 337: val_loss did not improve from 0.56198
11/11 [=====] - 0s 9ms/step - loss: 0.5553 - accuracy: 0.
6552 - val_loss: 0.5646 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 338/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6288 - accuracy: 0.6562
Epoch 338: val_loss did not improve from 0.56198
11/11 [=====] - 0s 9ms/step - loss: 0.5551 - accuracy: 0.
6494 - val_loss: 0.5745 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 339/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6164 - accuracy: 0.5000
Epoch 339: val_loss did not improve from 0.56198
11/11 [=====] - 0s 9ms/step - loss: 0.5557 - accuracy: 0.
6552 - val_loss: 0.5750 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 340/1000
11/11 [=====] - ETA: 0s - loss: 0.5569 - accuracy: 0.6437
Epoch 340: val_loss did not improve from 0.56198
11/11 [=====] - 0s 10ms/step - loss: 0.5569 - accuracy:
0.6437 - val_loss: 0.5671 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 341/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5698 - accuracy: 0.6250
Epoch 341: val_loss did not improve from 0.56198
11/11 [=====] - 0s 9ms/step - loss: 0.5570 - accuracy: 0.
6466 - val_loss: 0.5726 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 342/1000
9/11 [======>.....] - ETA: 0s - loss: 0.5407 - accuracy: 0.6806
Epoch 342: val_loss did not improve from 0.56198
11/11 [=====] - 0s 12ms/step - loss: 0.5553 - accuracy:
0.6494 - val_loss: 0.5672 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 343/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5121 - accuracy: 0.6875
Epoch 343: val_loss did not improve from 0.56198
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11/11 [=====] - 0s 9ms/step - loss: 0.5544 - accuracy: 0.  
6437 - val_loss: 0.5705 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 344/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5889 - accuracy: 0.5938  
Epoch 344: val_loss did not improve from 0.56198  
11/11 [=====] - 0s 9ms/step - loss: 0.5556 - accuracy: 0.  
6494 - val_loss: 0.5655 - val_accuracy: 0.6200 - lr: 0.0090  
Epoch 345/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6688 - accuracy: 0.5938  
Epoch 345: val_loss did not improve from 0.56198  
11/11 [=====] - 0s 9ms/step - loss: 0.5560 - accuracy: 0.  
6580 - val_loss: 0.5784 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 346/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6250 - accuracy: 0.5312  
Epoch 346: val_loss improved from 0.56198 to 0.55809, saving model to tmp/Weights-  
346--0.55809.hdf5  
11/11 [=====] - 0s 12ms/step - loss: 0.5559 - accuracy:  
0.6408 - val_loss: 0.5581 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 347/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6728 - accuracy: 0.5625  
Epoch 347: val_loss did not improve from 0.55809  
11/11 [=====] - 0s 10ms/step - loss: 0.5542 - accuracy:  
0.6523 - val_loss: 0.5669 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 348/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5428 - accuracy: 0.7500  
Epoch 348: val_loss did not improve from 0.55809  
11/11 [=====] - 0s 9ms/step - loss: 0.5533 - accuracy: 0.  
6523 - val_loss: 0.5672 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 349/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5536 - accuracy: 0.6562  
Epoch 349: val_loss did not improve from 0.55809  
11/11 [=====] - 0s 9ms/step - loss: 0.5533 - accuracy: 0.  
6494 - val_loss: 0.5660 - val_accuracy: 0.6200 - lr: 0.0090  
Epoch 350/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5733 - accuracy: 0.6250  
Epoch 350: val_loss did not improve from 0.55809  
11/11 [=====] - 0s 8ms/step - loss: 0.5573 - accuracy: 0.  
6466 - val_loss: 0.5725 - val_accuracy: 0.6400 - lr: 0.0090  
Epoch 351/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6350 - accuracy: 0.5000  
Epoch 351: val_loss did not improve from 0.55809  
11/11 [=====] - 0s 9ms/step - loss: 0.5543 - accuracy: 0.  
6494 - val_loss: 0.5685 - val_accuracy: 0.6000 - lr: 0.0090  
Epoch 352/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5460 - accuracy: 0.6875  
Epoch 352: val_loss improved from 0.55809 to 0.55541, saving model to tmp/Weights-  
352--0.55541.hdf5  
11/11 [=====] - 0s 12ms/step - loss: 0.5567 - accuracy:  
0.6379 - val_loss: 0.5554 - val_accuracy: 0.6200 - lr: 0.0090  
Epoch 353/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4804 - accuracy: 0.7812  
Epoch 353: val_loss did not improve from 0.55541  
11/11 [=====] - 0s 11ms/step - loss: 0.5557 - accuracy:  
0.6437 - val_loss: 0.5694 - val_accuracy: 0.6333 - lr: 0.0090  
Epoch 354/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5450 - accuracy: 0.6250  
Epoch 354: val_loss did not improve from 0.55541  
11/11 [=====] - 0s 9ms/step - loss: 0.5536 - accuracy: 0.  
6494 - val_loss: 0.5778 - val_accuracy: 0.6267 - lr: 0.0090  
Epoch 355/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5745 - accuracy: 0.6562  
Epoch 355: val_loss did not improve from 0.55541  
11/11 [=====] - 0s 9ms/step - loss: 0.5540 - accuracy: 0.  
6437 - val_loss: 0.5686 - val_accuracy: 0.6133 - lr: 0.0090
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Epoch 356/1000
11/11 [=====] - ETA: 0s - loss: 0.5538 - accuracy: 0.6580
Epoch 356: val_loss did not improve from 0.55541
11/11 [=====] - 0s 10ms/step - loss: 0.5538 - accuracy: 0.6580 - val_loss: 0.5612 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 357/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5453 - accuracy: 0.7188
Epoch 357: val_loss did not improve from 0.55541
11/11 [=====] - 0s 8ms/step - loss: 0.5527 - accuracy: 0.6494 - val_loss: 0.5712 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 358/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5973 - accuracy: 0.6250
Epoch 358: val_loss did not improve from 0.55541
11/11 [=====] - 0s 9ms/step - loss: 0.5538 - accuracy: 0.6494 - val_loss: 0.5706 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 359/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5280 - accuracy: 0.6875
Epoch 359: val_loss did not improve from 0.55541
11/11 [=====] - 0s 9ms/step - loss: 0.5524 - accuracy: 0.6494 - val_loss: 0.5657 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 360/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4959 - accuracy: 0.7812
Epoch 360: val_loss did not improve from 0.55541
11/11 [=====] - 0s 8ms/step - loss: 0.5537 - accuracy: 0.6466 - val_loss: 0.5692 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 361/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5857 - accuracy: 0.6250
Epoch 361: val_loss did not improve from 0.55541
11/11 [=====] - 0s 9ms/step - loss: 0.5545 - accuracy: 0.6494 - val_loss: 0.5622 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 362/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5329 - accuracy: 0.6875
Epoch 362: val_loss did not improve from 0.55541
11/11 [=====] - 0s 9ms/step - loss: 0.5543 - accuracy: 0.6523 - val_loss: 0.5660 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 363/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6128 - accuracy: 0.5312
Epoch 363: val_loss did not improve from 0.55541
11/11 [=====] - 0s 10ms/step - loss: 0.5539 - accuracy: 0.6580 - val_loss: 0.5731 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 364/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5943 - accuracy: 0.5938
Epoch 364: val_loss did not improve from 0.55541
11/11 [=====] - 0s 9ms/step - loss: 0.5560 - accuracy: 0.6408 - val_loss: 0.5711 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 365/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6150 - accuracy: 0.5625
Epoch 365: val_loss did not improve from 0.55541
11/11 [=====] - 0s 9ms/step - loss: 0.5521 - accuracy: 0.6552 - val_loss: 0.5679 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 366/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5842 - accuracy: 0.6250
Epoch 366: val_loss did not improve from 0.55541
11/11 [=====] - 0s 8ms/step - loss: 0.5541 - accuracy: 0.6523 - val_loss: 0.5673 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 367/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5689 - accuracy: 0.7188
Epoch 367: val_loss did not improve from 0.55541
11/11 [=====] - 0s 9ms/step - loss: 0.5527 - accuracy: 0.6523 - val_loss: 0.5731 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 368/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5049 - accuracy: 0.6250
Epoch 368: val_loss did not improve from 0.55541
11/11 [=====] - 0s 9ms/step - loss: 0.5540 - accuracy: 0.
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6466 - val_loss: 0.5677 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 369/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5750 - accuracy: 0.6562
Epoch 369: val_loss did not improve from 0.55541
11/11 [=====] - 0s 9ms/step - loss: 0.5516 - accuracy: 0.
6609 - val_loss: 0.5654 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 370/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5494 - accuracy: 0.5625
Epoch 370: val_loss did not improve from 0.55541
11/11 [=====] - 0s 9ms/step - loss: 0.5508 - accuracy: 0.
6552 - val_loss: 0.5658 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 371/1000
11/11 [=====] - ETA: 0s - loss: 0.5511 - accuracy: 0.6523
Epoch 371: val_loss did not improve from 0.55541
11/11 [=====] - 0s 10ms/step - loss: 0.5511 - accuracy:
0.6523 - val_loss: 0.5679 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 372/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4908 - accuracy: 0.6250
Epoch 372: val_loss did not improve from 0.55541
11/11 [=====] - 0s 8ms/step - loss: 0.5534 - accuracy: 0.
6580 - val_loss: 0.5620 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 373/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4839 - accuracy: 0.7500
Epoch 373: val_loss did not improve from 0.55541
11/11 [=====] - 0s 9ms/step - loss: 0.5544 - accuracy: 0.
6552 - val_loss: 0.5668 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 374/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4661 - accuracy: 0.6875
Epoch 374: val_loss did not improve from 0.55541
11/11 [=====] - 0s 9ms/step - loss: 0.5517 - accuracy: 0.
6552 - val_loss: 0.5596 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 375/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5070 - accuracy: 0.6562
Epoch 375: val_loss did not improve from 0.55541
11/11 [=====] - 0s 9ms/step - loss: 0.5519 - accuracy: 0.
6552 - val_loss: 0.5698 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 376/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6182 - accuracy: 0.5938
Epoch 376: val_loss did not improve from 0.55541
11/11 [=====] - 0s 9ms/step - loss: 0.5532 - accuracy: 0.
6494 - val_loss: 0.5735 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 377/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5235 - accuracy: 0.6562
Epoch 377: val_loss did not improve from 0.55541
11/11 [=====] - 0s 9ms/step - loss: 0.5601 - accuracy: 0.
6466 - val_loss: 0.5611 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 378/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5329 - accuracy: 0.7188
Epoch 378: val_loss did not improve from 0.55541
11/11 [=====] - 0s 9ms/step - loss: 0.5520 - accuracy: 0.
6580 - val_loss: 0.5741 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 379/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5504 - accuracy: 0.6562
Epoch 379: val_loss did not improve from 0.55541
11/11 [=====] - 0s 9ms/step - loss: 0.5524 - accuracy: 0.
6580 - val_loss: 0.5715 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 380/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5388 - accuracy: 0.6250
Epoch 380: val_loss did not improve from 0.55541
11/11 [=====] - 0s 9ms/step - loss: 0.5499 - accuracy: 0.
6580 - val_loss: 0.5678 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 381/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6352 - accuracy: 0.5625
Epoch 381: val_loss did not improve from 0.55541
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11/11 [=====] - 0s 9ms/step - loss: 0.5512 - accuracy: 0.  
6609 - val_loss: 0.5642 - val_accuracy: 0.6467 - lr: 0.0090  
Epoch 382/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5771 - accuracy: 0.5625  
Epoch 382: val_loss did not improve from 0.55541  
11/11 [=====] - 0s 9ms/step - loss: 0.5532 - accuracy: 0.  
6466 - val_loss: 0.5616 - val_accuracy: 0.6200 - lr: 0.0090  
Epoch 383/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5865 - accuracy: 0.5938  
Epoch 383: val_loss did not improve from 0.55541  
11/11 [=====] - 0s 8ms/step - loss: 0.5493 - accuracy: 0.  
6638 - val_loss: 0.5632 - val_accuracy: 0.6333 - lr: 0.0090  
Epoch 384/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5486 - accuracy: 0.6875  
Epoch 384: val_loss did not improve from 0.55541  
11/11 [=====] - 0s 9ms/step - loss: 0.5508 - accuracy: 0.  
6523 - val_loss: 0.5670 - val_accuracy: 0.6200 - lr: 0.0090  
Epoch 385/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6183 - accuracy: 0.5938  
Epoch 385: val_loss did not improve from 0.55541  
11/11 [=====] - 0s 8ms/step - loss: 0.5499 - accuracy: 0.  
6609 - val_loss: 0.5604 - val_accuracy: 0.6467 - lr: 0.0090  
Epoch 386/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5673 - accuracy: 0.6562  
Epoch 386: val_loss did not improve from 0.55541  
11/11 [=====] - 0s 8ms/step - loss: 0.5504 - accuracy: 0.  
6552 - val_loss: 0.5623 - val_accuracy: 0.6333 - lr: 0.0090  
Epoch 387/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4532 - accuracy: 0.6875  
Epoch 387: val_loss did not improve from 0.55541  
11/11 [=====] - 0s 9ms/step - loss: 0.5482 - accuracy: 0.  
6580 - val_loss: 0.5680 - val_accuracy: 0.6400 - lr: 0.0090  
Epoch 388/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6267 - accuracy: 0.5625  
Epoch 388: val_loss did not improve from 0.55541  
11/11 [=====] - 0s 8ms/step - loss: 0.5508 - accuracy: 0.  
6609 - val_loss: 0.5749 - val_accuracy: 0.6533 - lr: 0.0090  
Epoch 389/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5545 - accuracy: 0.6250  
Epoch 389: val_loss did not improve from 0.55541  
11/11 [=====] - 0s 9ms/step - loss: 0.5546 - accuracy: 0.  
6494 - val_loss: 0.5773 - val_accuracy: 0.6467 - lr: 0.0090  
Epoch 390/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5060 - accuracy: 0.6562  
Epoch 390: val_loss did not improve from 0.55541  
11/11 [=====] - 0s 9ms/step - loss: 0.5512 - accuracy: 0.  
6552 - val_loss: 0.5586 - val_accuracy: 0.6467 - lr: 0.0090  
Epoch 391/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6328 - accuracy: 0.5000  
Epoch 391: val_loss did not improve from 0.55541  
11/11 [=====] - 0s 9ms/step - loss: 0.5503 - accuracy: 0.  
6695 - val_loss: 0.5663 - val_accuracy: 0.6467 - lr: 0.0090  
Epoch 392/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5803 - accuracy: 0.6875  
Epoch 392: val_loss did not improve from 0.55541  
11/11 [=====] - 0s 9ms/step - loss: 0.5475 - accuracy: 0.  
6724 - val_loss: 0.5749 - val_accuracy: 0.6400 - lr: 0.0090  
Epoch 393/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5954 - accuracy: 0.6562  
Epoch 393: val_loss improved from 0.55541 to 0.54855, saving model to tmp/Weights-  
393--0.54855.hdf5  
11/11 [=====] - 0s 11ms/step - loss: 0.5509 - accuracy:  
0.6638 - val_loss: 0.5486 - val_accuracy: 0.6467 - lr: 0.0090  
Epoch 394/1000
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10/11 [=====>...] - ETA: 0s - loss: 0.5418 - accuracy: 0.6656
Epoch 394: val_loss did not improve from 0.54855
11/11 [=====] - 0s 10ms/step - loss: 0.5477 - accuracy: 0.6667
  val_loss: 0.5655 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 395/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.4426 - accuracy: 0.7500
Epoch 395: val_loss did not improve from 0.54855
  11/11 [=====] - 0s 9ms/step - loss: 0.5470 - accuracy: 0.6724
    val_loss: 0.5650 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 396/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.4996 - accuracy: 0.6562
Epoch 396: val_loss did not improve from 0.54855
  11/11 [=====] - 0s 10ms/step - loss: 0.5494 - accuracy: 0.6609
    val_loss: 0.5579 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 397/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.5655 - accuracy: 0.6250
Epoch 397: val_loss did not improve from 0.54855
  11/11 [=====] - 0s 9ms/step - loss: 0.5461 - accuracy: 0.6609
    val_loss: 0.5572 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 398/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.5435 - accuracy: 0.6562
Epoch 398: val_loss did not improve from 0.54855
  11/11 [=====] - 0s 9ms/step - loss: 0.5461 - accuracy: 0.6695
    val_loss: 0.5684 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 399/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.5865 - accuracy: 0.6875
Epoch 399: val_loss did not improve from 0.54855
  11/11 [=====] - 0s 9ms/step - loss: 0.5456 - accuracy: 0.6724
    val_loss: 0.5580 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 400/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.5755 - accuracy: 0.7188
Epoch 400: val_loss did not improve from 0.54855
  11/11 [=====] - 0s 9ms/step - loss: 0.5425 - accuracy: 0.6724
    val_loss: 0.5567 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 401/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.5331 - accuracy: 0.6250
Epoch 401: val_loss did not improve from 0.54855
  11/11 [=====] - 0s 8ms/step - loss: 0.5495 - accuracy: 0.6523
    val_loss: 0.5579 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 402/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.4064 - accuracy: 0.8438
Epoch 402: val_loss did not improve from 0.54855
  11/11 [=====] - 0s 9ms/step - loss: 0.5440 - accuracy: 0.6782
    val_loss: 0.5543 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 403/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.5912 - accuracy: 0.5625
Epoch 403: val_loss did not improve from 0.54855
  11/11 [=====] - 0s 9ms/step - loss: 0.5511 - accuracy: 0.6609
    val_loss: 0.5518 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 404/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.5462 - accuracy: 0.6875
Epoch 404: val_loss did not improve from 0.54855
  11/11 [=====] - 0s 9ms/step - loss: 0.5523 - accuracy: 0.6609
    val_loss: 0.5547 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 405/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.5629 - accuracy: 0.6875
Epoch 405: val_loss did not improve from 0.54855
  11/11 [=====] - 0s 8ms/step - loss: 0.5424 - accuracy: 0.6782
    val_loss: 0.5669 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 406/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.5615 - accuracy: 0.5625
Epoch 406: val_loss did not improve from 0.54855
  11/11 [=====] - 0s 9ms/step - loss: 0.5466 - accuracy: 0.6695
    val_loss: 0.5590 - val_accuracy: 0.6467 - lr: 0.0090
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Epoch 407/1000
1/11 [=>........................] - ETA: 0s - loss: 0.4847 - accuracy: 0.8125
Epoch 407: val_loss did not improve from 0.54855
11/11 [=====] - 0s 8ms/step - loss: 0.5430 - accuracy: 0.
6810 - val_loss: 0.5491 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 408/1000
1/11 [=>........................] - ETA: 0s - loss: 0.5989 - accuracy: 0.6250
Epoch 408: val_loss did not improve from 0.54855
11/11 [=====] - 0s 9ms/step - loss: 0.5407 - accuracy: 0.
6782 - val_loss: 0.5512 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 409/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6539 - accuracy: 0.5625
Epoch 409: val_loss did not improve from 0.54855
11/11 [=====] - 0s 10ms/step - loss: 0.5385 - accuracy:
0.6868 - val_loss: 0.5492 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 410/1000
1/11 [=>........................] - ETA: 0s - loss: 0.5608 - accuracy: 0.7500
Epoch 410: val_loss did not improve from 0.54855
11/11 [=====] - 0s 8ms/step - loss: 0.5383 - accuracy: 0.
6810 - val_loss: 0.5490 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 411/1000
1/11 [=>........................] - ETA: 0s - loss: 0.5534 - accuracy: 0.6562
Epoch 411: val_loss did not improve from 0.54855
11/11 [=====] - 0s 8ms/step - loss: 0.5460 - accuracy: 0.
6810 - val_loss: 0.5503 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 412/1000
1/11 [=>........................] - ETA: 0s - loss: 0.5485 - accuracy: 0.7188
Epoch 412: val_loss did not improve from 0.54855
11/11 [=====] - 0s 8ms/step - loss: 0.5431 - accuracy: 0.
6782 - val_loss: 0.5542 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 413/1000
11/11 [=====] - ETA: 0s - loss: 0.5392 - accuracy: 0.7011
Epoch 413: val_loss improved from 0.54855 to 0.53823, saving model to tmp/Weights-
413--0.53823.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.5392 - accuracy:
0.7011 - val_loss: 0.5382 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 414/1000
1/11 [=>........................] - ETA: 0s - loss: 0.4570 - accuracy: 0.7812
Epoch 414: val_loss did not improve from 0.53823
11/11 [=====] - 0s 10ms/step - loss: 0.5381 - accuracy:
0.6983 - val_loss: 0.5444 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 415/1000
1/11 [=>........................] - ETA: 0s - loss: 0.4989 - accuracy: 0.8438
Epoch 415: val_loss did not improve from 0.53823
11/11 [=====] - 0s 9ms/step - loss: 0.5359 - accuracy: 0.
6897 - val_loss: 0.5482 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 416/1000
1/11 [=>........................] - ETA: 0s - loss: 0.5368 - accuracy: 0.6562
Epoch 416: val_loss did not improve from 0.53823
11/11 [=====] - 0s 8ms/step - loss: 0.5362 - accuracy: 0.
6925 - val_loss: 0.5448 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 417/1000
1/11 [=>........................] - ETA: 0s - loss: 0.4810 - accuracy: 0.7188
Epoch 417: val_loss did not improve from 0.53823
11/11 [=====] - 0s 8ms/step - loss: 0.5436 - accuracy: 0.
6437 - val_loss: 0.5399 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 418/1000
1/11 [=>........................] - ETA: 0s - loss: 0.4535 - accuracy: 0.7812
Epoch 418: val_loss did not improve from 0.53823
11/11 [=====] - 0s 9ms/step - loss: 0.5495 - accuracy: 0.
6609 - val_loss: 0.5440 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 419/1000
1/11 [=>........................] - ETA: 0s - loss: 0.5046 - accuracy: 0.7500
Epoch 419: val_loss did not improve from 0.53823
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11/11 [=====] - 0s 8ms/step - loss: 0.5379 - accuracy: 0.6954 - val_loss: 0.5632 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 420/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4500 - accuracy: 0.6562
Epoch 420: val_loss did not improve from 0.53823
11/11 [=====] - 0s 9ms/step - loss: 0.5426 - accuracy: 0.6782 - val_loss: 0.5950 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 421/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5291 - accuracy: 0.6875
Epoch 421: val_loss improved from 0.53823 to 0.53611, saving model to tmp/Weights-421--0.53611.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5404 - accuracy: 0.6868 - val_loss: 0.5361 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 422/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6136 - accuracy: 0.6875
Epoch 422: val_loss did not improve from 0.53611
11/11 [=====] - 0s 10ms/step - loss: 0.5390 - accuracy: 0.6868 - val_loss: 0.5638 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 423/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4883 - accuracy: 0.7500
Epoch 423: val_loss did not improve from 0.53611
11/11 [=====] - 0s 8ms/step - loss: 0.5385 - accuracy: 0.7040 - val_loss: 0.5495 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 424/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4250 - accuracy: 0.7500
Epoch 424: val_loss improved from 0.53611 to 0.53378, saving model to tmp/Weights-424--0.53378.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5313 - accuracy: 0.7126 - val_loss: 0.5338 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 425/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5318 - accuracy: 0.8125
Epoch 425: val_loss did not improve from 0.53378
11/11 [=====] - 0s 8ms/step - loss: 0.5347 - accuracy: 0.7040 - val_loss: 0.5341 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 426/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5241 - accuracy: 0.7500
Epoch 426: val_loss did not improve from 0.53378
11/11 [=====] - 0s 9ms/step - loss: 0.5357 - accuracy: 0.6897 - val_loss: 0.5382 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 427/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5476 - accuracy: 0.6875
Epoch 427: val_loss did not improve from 0.53378
11/11 [=====] - 0s 9ms/step - loss: 0.5386 - accuracy: 0.6667 - val_loss: 0.5368 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 428/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5215 - accuracy: 0.7812
Epoch 428: val_loss did not improve from 0.53378
11/11 [=====] - 0s 9ms/step - loss: 0.5302 - accuracy: 0.6897 - val_loss: 0.5578 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 429/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4561 - accuracy: 0.6875
Epoch 429: val_loss did not improve from 0.53378
11/11 [=====] - 0s 9ms/step - loss: 0.5373 - accuracy: 0.6523 - val_loss: 0.5383 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 430/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5097 - accuracy: 0.7500
Epoch 430: val_loss improved from 0.53378 to 0.53374, saving model to tmp/Weights-430--0.53374.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5449 - accuracy: 0.6753 - val_loss: 0.5337 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 431/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4872 - accuracy: 0.6562
Epoch 431: val_loss did not improve from 0.53374
11/11 [=====] - 0s 9ms/step - loss: 0.5344 - accuracy: 0.
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6897 - val_loss: 0.5549 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 432/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5730 - accuracy: 0.6250
Epoch 432: val_loss improved from 0.53374 to 0.53287, saving model to tmp/Weights-432--0.53287.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5323 - accuracy: 0.6983
  0 - val_loss: 0.5329 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 433/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5544 - accuracy: 0.6562
Epoch 433: val_loss did not improve from 0.53287
11/11 [=====] - 0s 9ms/step - loss: 0.5306 - accuracy: 0.7011
  0 - val_loss: 0.5401 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 434/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5422 - accuracy: 0.6562
Epoch 434: val_loss did not improve from 0.53287
11/11 [=====] - 0s 9ms/step - loss: 0.5309 - accuracy: 0.7040
  0 - val_loss: 0.5415 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 435/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5939 - accuracy: 0.7188
Epoch 435: val_loss did not improve from 0.53287
11/11 [=====] - 0s 9ms/step - loss: 0.5307 - accuracy: 0.7011
  0 - val_loss: 0.5434 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 436/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5143 - accuracy: 0.7500
Epoch 436: val_loss improved from 0.53287 to 0.52689, saving model to tmp/Weights-436--0.52689.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5295 - accuracy: 0.6983
  0 - val_loss: 0.5269 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 437/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4706 - accuracy: 0.7500
Epoch 437: val_loss did not improve from 0.52689
11/11 [=====] - 0s 9ms/step - loss: 0.5263 - accuracy: 0.7040
  0 - val_loss: 0.5426 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 438/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5826 - accuracy: 0.6562
Epoch 438: val_loss did not improve from 0.52689
11/11 [=====] - 0s 9ms/step - loss: 0.5264 - accuracy: 0.7126
  0 - val_loss: 0.5307 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 439/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6102 - accuracy: 0.6250
Epoch 439: val_loss did not improve from 0.52689
11/11 [=====] - 0s 9ms/step - loss: 0.5271 - accuracy: 0.7184
  0 - val_loss: 0.5272 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 440/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5392 - accuracy: 0.6875
Epoch 440: val_loss did not improve from 0.52689
11/11 [=====] - 0s 9ms/step - loss: 0.5282 - accuracy: 0.7040
  0 - val_loss: 0.5617 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 441/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5503 - accuracy: 0.7188
Epoch 441: val_loss did not improve from 0.52689
11/11 [=====] - 0s 8ms/step - loss: 0.5311 - accuracy: 0.7126
  0 - val_loss: 0.5292 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 442/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4938 - accuracy: 0.7500
Epoch 442: val_loss improved from 0.52689 to 0.52536, saving model to tmp/Weights-442--0.52536.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5335 - accuracy: 0.6925
  0 - val_loss: 0.5254 - val_accuracy: 0.7067 - lr: 0.0090
Epoch 443/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4213 - accuracy: 0.7500
Epoch 443: val_loss did not improve from 0.52536
11/11 [=====] - 0s 9ms/step - loss: 0.5272 - accuracy: 0.7155
  0 - val_loss: 0.5308 - val_accuracy: 0.6800 - lr: 0.0090
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Epoch 444/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4746 - accuracy: 0.7500
Epoch 444: val_loss improved from 0.52536 to 0.52528, saving model to tmp/Weights-444--0.52528.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5269 - accuracy: 0.7213 - val_loss: 0.5253 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 445/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5503 - accuracy: 0.6875
Epoch 445: val_loss did not improve from 0.52528
11/11 [=====] - 0s 8ms/step - loss: 0.5311 - accuracy: 0.7069 - val_loss: 0.5263 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 446/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5221 - accuracy: 0.7812
Epoch 446: val_loss did not improve from 0.52528
11/11 [=====] - 0s 8ms/step - loss: 0.5307 - accuracy: 0.7011 - val_loss: 0.5267 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 447/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5099 - accuracy: 0.6250
Epoch 447: val_loss did not improve from 0.52528
11/11 [=====] - 0s 9ms/step - loss: 0.5271 - accuracy: 0.7126 - val_loss: 0.5419 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 448/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5157 - accuracy: 0.7500
Epoch 448: val_loss improved from 0.52528 to 0.52499, saving model to tmp/Weights-448--0.52499.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5260 - accuracy: 0.7069 - val_loss: 0.5250 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 449/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4088 - accuracy: 0.8438
Epoch 449: val_loss did not improve from 0.52499
11/11 [=====] - 0s 7ms/step - loss: 0.5309 - accuracy: 0.6983 - val_loss: 0.5278 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 450/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5172 - accuracy: 0.7812
Epoch 450: val_loss did not improve from 0.52499
11/11 [=====] - 0s 8ms/step - loss: 0.5375 - accuracy: 0.6868 - val_loss: 0.5387 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 451/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5144 - accuracy: 0.7500
Epoch 451: val_loss did not improve from 0.52499
11/11 [=====] - 0s 10ms/step - loss: 0.5235 - accuracy: 0.6638 - val_loss: 0.5369 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 452/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5316 - accuracy: 0.6562
Epoch 452: val_loss improved from 0.52499 to 0.51150, saving model to tmp/Weights-452--0.51150.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5309 - accuracy: 0.6580 - val_loss: 0.5115 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 453/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5069 - accuracy: 0.6875
Epoch 453: val_loss did not improve from 0.51150
11/11 [=====] - 0s 8ms/step - loss: 0.5222 - accuracy: 0.6466 - val_loss: 0.5185 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 454/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5273 - accuracy: 0.6656
Epoch 454: val_loss did not improve from 0.51150
11/11 [=====] - 0s 11ms/step - loss: 0.5214 - accuracy: 0.6695 - val_loss: 0.5407 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 455/1000
11/11 [=====] - ETA: 0s - loss: 0.5360 - accuracy: 0.6724
Epoch 455: val_loss did not improve from 0.51150
11/11 [=====] - 0s 11ms/step - loss: 0.5360 - accuracy: 0.6724 - val_loss: 0.5360 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 456/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.4580 - accuracy: 0.8438
Epoch 456: val_loss did not improve from 0.51150
11/11 [=====] - 0s 8ms/step - loss: 0.5259 - accuracy: 0.
7126 - val_loss: 0.5288 - val_accuracy: 0.7000 - lr: 0.0090
Epoch 457/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5083 - accuracy: 0.7500
Epoch 457: val_loss did not improve from 0.51150
11/11 [=====] - 0s 9ms/step - loss: 0.5244 - accuracy: 0.
6983 - val_loss: 0.5357 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 458/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5915 - accuracy: 0.5938
Epoch 458: val_loss did not improve from 0.51150
11/11 [=====] - 0s 8ms/step - loss: 0.5203 - accuracy: 0.
6810 - val_loss: 0.5223 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 459/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5483 - accuracy: 0.6562
Epoch 459: val_loss did not improve from 0.51150
11/11 [=====] - 0s 8ms/step - loss: 0.5194 - accuracy: 0.
6523 - val_loss: 0.5163 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 460/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5092 - accuracy: 0.6562
Epoch 460: val_loss did not improve from 0.51150
11/11 [=====] - 0s 9ms/step - loss: 0.5221 - accuracy: 0.
6552 - val_loss: 0.5160 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 461/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5678 - accuracy: 0.6875
Epoch 461: val_loss did not improve from 0.51150
11/11 [=====] - 0s 9ms/step - loss: 0.5222 - accuracy: 0.
6695 - val_loss: 0.5228 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 462/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5795 - accuracy: 0.5625
Epoch 462: val_loss did not improve from 0.51150
11/11 [=====] - 0s 9ms/step - loss: 0.5232 - accuracy: 0.
6753 - val_loss: 0.5167 - val_accuracy: 0.7133 - lr: 0.0090
Epoch 463/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4746 - accuracy: 0.8125
Epoch 463: val_loss did not improve from 0.51150
11/11 [=====] - 0s 9ms/step - loss: 0.5206 - accuracy: 0.
6983 - val_loss: 0.5594 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 464/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5815 - accuracy: 0.5625
Epoch 464: val_loss did not improve from 0.51150
11/11 [=====] - 0s 10ms/step - loss: 0.5239 - accuracy: 0.
6437 - val_loss: 0.5433 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 465/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5156 - accuracy: 0.6562
Epoch 465: val_loss did not improve from 0.51150
11/11 [=====] - 0s 9ms/step - loss: 0.5195 - accuracy: 0.
6638 - val_loss: 0.5195 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 466/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5379 - accuracy: 0.5938
Epoch 466: val_loss did not improve from 0.51150
11/11 [=====] - 0s 9ms/step - loss: 0.5183 - accuracy: 0.
6580 - val_loss: 0.5152 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 467/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5273 - accuracy: 0.6250
Epoch 467: val_loss did not improve from 0.51150
11/11 [=====] - 0s 8ms/step - loss: 0.5222 - accuracy: 0.
6609 - val_loss: 0.5132 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 468/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5983 - accuracy: 0.5625
Epoch 468: val_loss did not improve from 0.51150
11/11 [=====] - 0s 9ms/step - loss: 0.5158 - accuracy: 0.
6523 - val_loss: 0.5180 - val_accuracy: 0.6800 - lr: 0.0090
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Epoch 469/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5060 - accuracy: 0.6562
Epoch 469: val_loss did not improve from 0.51150
11/11 [=====] - 0s 9ms/step - loss: 0.5220 - accuracy: 0.
7011 - val_loss: 0.5170 - val_accuracy: 0.7133 - lr: 0.0090
Epoch 470/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5793 - accuracy: 0.6562
Epoch 470: val_loss did not improve from 0.51150
11/11 [=====] - 0s 9ms/step - loss: 0.5193 - accuracy: 0.
6609 - val_loss: 0.5337 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 471/1000
9/11 [=====>.....] - ETA: 0s - loss: 0.5124 - accuracy: 0.6667
Epoch 471: val_loss improved from 0.51150 to 0.50900, saving model to tmp/Weights-
471--0.50900.hdf5
11/11 [=====] - 0s 14ms/step - loss: 0.5217 - accuracy:
0.6580 - val_loss: 0.5090 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 472/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4597 - accuracy: 0.6875
Epoch 472: val_loss did not improve from 0.50900
11/11 [=====] - 0s 9ms/step - loss: 0.5196 - accuracy: 0.
7011 - val_loss: 0.5248 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 473/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5163 - accuracy: 0.6875
Epoch 473: val_loss did not improve from 0.50900
11/11 [=====] - 0s 10ms/step - loss: 0.5170 - accuracy:
0.6552 - val_loss: 0.5193 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 474/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5552 - accuracy: 0.6875
Epoch 474: val_loss did not improve from 0.50900
11/11 [=====] - 0s 9ms/step - loss: 0.5154 - accuracy: 0.
6695 - val_loss: 0.5179 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 475/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4990 - accuracy: 0.6562
Epoch 475: val_loss did not improve from 0.50900
11/11 [=====] - 0s 9ms/step - loss: 0.5173 - accuracy: 0.
6552 - val_loss: 0.5198 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 476/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5691 - accuracy: 0.6562
Epoch 476: val_loss did not improve from 0.50900
11/11 [=====] - 0s 9ms/step - loss: 0.5195 - accuracy: 0.
6925 - val_loss: 0.5338 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 477/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5914 - accuracy: 0.5938
Epoch 477: val_loss did not improve from 0.50900
11/11 [=====] - 0s 7ms/step - loss: 0.5166 - accuracy: 0.
6494 - val_loss: 0.5286 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 478/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5761 - accuracy: 0.5938
Epoch 478: val_loss did not improve from 0.50900
11/11 [=====] - 0s 8ms/step - loss: 0.5147 - accuracy: 0.
6782 - val_loss: 0.5146 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 479/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5033 - accuracy: 0.6562
Epoch 479: val_loss improved from 0.50900 to 0.50466, saving model to tmp/Weights-
479--0.50466.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5145 - accuracy:
0.6552 - val_loss: 0.5047 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 480/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5002 - accuracy: 0.6562
Epoch 480: val_loss did not improve from 0.50466
11/11 [=====] - 0s 8ms/step - loss: 0.5156 - accuracy: 0.
6667 - val_loss: 0.5220 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 481/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4217 - accuracy: 0.7812
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Epoch 481: val_loss did not improve from 0.50466
11/11 [=====] - 0s 9ms/step - loss: 0.5151 - accuracy: 0.
6667 - val_loss: 0.5206 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 482/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4446 - accuracy: 0.7188
Epoch 482: val_loss did not improve from 0.50466
11/11 [=====] - 0s 9ms/step - loss: 0.5150 - accuracy: 0.
6638 - val_loss: 0.5127 - val_accuracy: 0.7000 - lr: 0.0090
Epoch 483/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5886 - accuracy: 0.5312
Epoch 483: val_loss did not improve from 0.50466
11/11 [=====] - 0s 15ms/step - loss: 0.5131 - accuracy:
0.6609 - val_loss: 0.5144 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 484/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5109 - accuracy: 0.6562
Epoch 484: val_loss did not improve from 0.50466
11/11 [=====] - 0s 9ms/step - loss: 0.5238 - accuracy: 0.
6580 - val_loss: 0.5471 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 485/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6741 - accuracy: 0.5000
Epoch 485: val_loss did not improve from 0.50466
11/11 [=====] - 0s 9ms/step - loss: 0.5156 - accuracy: 0.
6609 - val_loss: 0.5169 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 486/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5121 - accuracy: 0.7188
Epoch 486: val_loss did not improve from 0.50466
11/11 [=====] - 0s 8ms/step - loss: 0.5129 - accuracy: 0.
6667 - val_loss: 0.5177 - val_accuracy: 0.7000 - lr: 0.0090
Epoch 487/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4780 - accuracy: 0.6562
Epoch 487: val_loss did not improve from 0.50466
11/11 [=====] - 0s 9ms/step - loss: 0.5144 - accuracy: 0.
6580 - val_loss: 0.5211 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 488/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4999 - accuracy: 0.6250
Epoch 488: val_loss did not improve from 0.50466
11/11 [=====] - 0s 9ms/step - loss: 0.5239 - accuracy: 0.
6466 - val_loss: 0.5152 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 489/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4915 - accuracy: 0.6875
Epoch 489: val_loss did not improve from 0.50466
11/11 [=====] - 0s 8ms/step - loss: 0.5232 - accuracy: 0.
6580 - val_loss: 0.5136 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 490/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5760 - accuracy: 0.5625
Epoch 490: val_loss did not improve from 0.50466
11/11 [=====] - 0s 9ms/step - loss: 0.5212 - accuracy: 0.
6523 - val_loss: 0.5164 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 491/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5769 - accuracy: 0.6875
Epoch 491: val_loss did not improve from 0.50466
11/11 [=====] - 0s 9ms/step - loss: 0.5489 - accuracy: 0.
6868 - val_loss: 0.5325 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 492/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5871 - accuracy: 0.6250
Epoch 492: val_loss did not improve from 0.50466
11/11 [=====] - 0s 9ms/step - loss: 0.5472 - accuracy: 0.
6810 - val_loss: 0.5291 - val_accuracy: 0.7067 - lr: 0.0090
Epoch 493/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5174 - accuracy: 0.7188
Epoch 493: val_loss did not improve from 0.50466
11/11 [=====] - 0s 10ms/step - loss: 0.5289 - accuracy:
0.7098 - val_loss: 0.5741 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 494/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5600 - accuracy: 0.6250
Epoch 494: val_loss did not improve from 0.50466
11/11 [=====] - 0s 9ms/step - loss: 0.5260 - accuracy: 0.
7098 - val_loss: 0.5305 - val_accuracy: 0.7000 - lr: 0.0090
Epoch 495/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5939 - accuracy: 0.6875
Epoch 495: val_loss did not improve from 0.50466
11/11 [=====] - 0s 9ms/step - loss: 0.5187 - accuracy: 0.
7356 - val_loss: 0.5302 - val_accuracy: 0.7000 - lr: 0.0090
Epoch 496/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5359 - accuracy: 0.6875
Epoch 496: val_loss did not improve from 0.50466
11/11 [=====] - 0s 9ms/step - loss: 0.5210 - accuracy: 0.
7213 - val_loss: 0.5273 - val_accuracy: 0.7000 - lr: 0.0090
Epoch 497/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4738 - accuracy: 0.8750
Epoch 497: val_loss did not improve from 0.50466
11/11 [=====] - 0s 9ms/step - loss: 0.5179 - accuracy: 0.
7356 - val_loss: 0.5281 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 498/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5444 - accuracy: 0.6875
Epoch 498: val_loss did not improve from 0.50466
11/11 [=====] - 0s 9ms/step - loss: 0.5172 - accuracy: 0.
7213 - val_loss: 0.5187 - val_accuracy: 0.7067 - lr: 0.0090
Epoch 499/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5215 - accuracy: 0.7812
Epoch 499: val_loss did not improve from 0.50466
11/11 [=====] - 0s 9ms/step - loss: 0.5199 - accuracy: 0.
7126 - val_loss: 0.5449 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 500/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5291 - accuracy: 0.7188
Epoch 500: val_loss did not improve from 0.50466
11/11 [=====] - 0s 9ms/step - loss: 0.5159 - accuracy: 0.
7069 - val_loss: 0.5230 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 501/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5708 - accuracy: 0.6250
Epoch 501: val_loss did not improve from 0.50466
11/11 [=====] - 0s 9ms/step - loss: 0.5322 - accuracy: 0.
6983 - val_loss: 0.5281 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 502/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4737 - accuracy: 0.6562
Epoch 502: val_loss did not improve from 0.50466
11/11 [=====] - 0s 9ms/step - loss: 0.5158 - accuracy: 0.
7213 - val_loss: 0.5175 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 503/1000
11/11 [=====] - ETA: 0s - loss: 0.5144 - accuracy: 0.7213
Epoch 503: val_loss did not improve from 0.50466
11/11 [=====] - 0s 11ms/step - loss: 0.5144 - accuracy: 0.
7213 - val_loss: 0.5202 - val_accuracy: 0.7067 - lr: 0.0090
Epoch 504/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5138 - accuracy: 0.6875
Epoch 504: val_loss did not improve from 0.50466
11/11 [=====] - 0s 8ms/step - loss: 0.5105 - accuracy: 0.
7270 - val_loss: 0.5147 - val_accuracy: 0.7067 - lr: 0.0090
Epoch 505/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6072 - accuracy: 0.5312
Epoch 505: val_loss did not improve from 0.50466
11/11 [=====] - 0s 9ms/step - loss: 0.5182 - accuracy: 0.
7155 - val_loss: 0.5556 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 506/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6060 - accuracy: 0.6250
Epoch 506: val_loss did not improve from 0.50466
11/11 [=====] - 0s 9ms/step - loss: 0.5197 - accuracy: 0.
7184 - val_loss: 0.5203 - val_accuracy: 0.6800 - lr: 0.0090
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Epoch 507/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5315 - accuracy: 0.7812
Epoch 507: val_loss did not improve from 0.50466
11/11 [=====] - 0s 9ms/step - loss: 0.5273 - accuracy: 0.
6925 - val_loss: 0.5907 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 508/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6157 - accuracy: 0.6250
Epoch 508: val_loss did not improve from 0.50466
11/11 [=====] - 0s 9ms/step - loss: 0.5160 - accuracy: 0.
7241 - val_loss: 0.5131 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 509/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5882 - accuracy: 0.6562
Epoch 509: val_loss did not improve from 0.50466
11/11 [=====] - 0s 9ms/step - loss: 0.5139 - accuracy: 0.
7241 - val_loss: 0.5078 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 510/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5547 - accuracy: 0.6562
Epoch 510: val_loss did not improve from 0.50466
11/11 [=====] - 0s 10ms/step - loss: 0.5112 - accuracy: 0.
7241 - val_loss: 0.5065 - val_accuracy: 0.7067 - lr: 0.0090
Epoch 511/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5282 - accuracy: 0.7188
Epoch 511: val_loss improved from 0.50466 to 0.49699, saving model to tmp/Weights-511--0.49699.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5114 - accuracy: 0.
7270 - val_loss: 0.4970 - val_accuracy: 0.7133 - lr: 0.0090
Epoch 512/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4607 - accuracy: 0.7500
Epoch 512: val_loss did not improve from 0.49699
11/11 [=====] - 0s 9ms/step - loss: 0.5146 - accuracy: 0.
7126 - val_loss: 0.5028 - val_accuracy: 0.7067 - lr: 0.0090
Epoch 513/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5474 - accuracy: 0.6562
Epoch 513: val_loss did not improve from 0.49699
11/11 [=====] - 0s 9ms/step - loss: 0.5073 - accuracy: 0.
7356 - val_loss: 0.5153 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 514/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4966 - accuracy: 0.7188
Epoch 514: val_loss did not improve from 0.49699
11/11 [=====] - 0s 10ms/step - loss: 0.5073 - accuracy: 0.
7241 - val_loss: 0.4994 - val_accuracy: 0.7133 - lr: 0.0090
Epoch 515/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4353 - accuracy: 0.8125
Epoch 515: val_loss did not improve from 0.49699
11/11 [=====] - 0s 9ms/step - loss: 0.5083 - accuracy: 0.
7328 - val_loss: 0.5817 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 516/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5330 - accuracy: 0.7500
Epoch 516: val_loss did not improve from 0.49699
11/11 [=====] - 0s 10ms/step - loss: 0.5262 - accuracy: 0.
6954 - val_loss: 0.5073 - val_accuracy: 0.7133 - lr: 0.0090
Epoch 517/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4807 - accuracy: 0.8125
Epoch 517: val_loss did not improve from 0.49699
11/11 [=====] - 0s 9ms/step - loss: 0.5141 - accuracy: 0.
7270 - val_loss: 0.5095 - val_accuracy: 0.7067 - lr: 0.0090
Epoch 518/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5253 - accuracy: 0.7500
Epoch 518: val_loss did not improve from 0.49699
11/11 [=====] - 0s 9ms/step - loss: 0.5047 - accuracy: 0.
7299 - val_loss: 0.5088 - val_accuracy: 0.7133 - lr: 0.0090
Epoch 519/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4443 - accuracy: 0.8125
Epoch 519: val_loss did not improve from 0.49699
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11/11 [=====] - 0s 9ms/step - loss: 0.5074 - accuracy: 0.  
7241 - val_loss: 0.5113 - val_accuracy: 0.6933 - lr: 0.0090  
Epoch 520/1000  
10/11 [=====>...] - ETA: 0s - loss: 0.5274 - accuracy: 0.7000  
Epoch 520: val_loss did not improve from 0.49699  
11/11 [=====] - 0s 11ms/step - loss: 0.5185 - accuracy:  
0.7069 - val_loss: 0.5154 - val_accuracy: 0.6933 - lr: 0.0090  
Epoch 521/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5049 - accuracy: 0.6562  
Epoch 521: val_loss did not improve from 0.49699  
11/11 [=====] - 0s 9ms/step - loss: 0.5072 - accuracy: 0.  
7213 - val_loss: 0.5031 - val_accuracy: 0.7067 - lr: 0.0090  
Epoch 522/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5637 - accuracy: 0.6875  
Epoch 522: val_loss did not improve from 0.49699  
11/11 [=====] - 0s 8ms/step - loss: 0.5082 - accuracy: 0.  
7299 - val_loss: 0.5191 - val_accuracy: 0.7067 - lr: 0.0090  
Epoch 523/1000  
10/11 [=====>...] - ETA: 0s - loss: 0.5093 - accuracy: 0.7281  
Epoch 523: val_loss did not improve from 0.49699  
11/11 [=====] - 0s 11ms/step - loss: 0.5057 - accuracy:  
0.7385 - val_loss: 0.5032 - val_accuracy: 0.7133 - lr: 0.0090  
Epoch 524/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4404 - accuracy: 0.8438  
Epoch 524: val_loss did not improve from 0.49699  
11/11 [=====] - 0s 9ms/step - loss: 0.5057 - accuracy: 0.  
7270 - val_loss: 0.5008 - val_accuracy: 0.7133 - lr: 0.0090  
Epoch 525/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5352 - accuracy: 0.7188  
Epoch 525: val_loss did not improve from 0.49699  
11/11 [=====] - 0s 9ms/step - loss: 0.5048 - accuracy: 0.  
7155 - val_loss: 0.4975 - val_accuracy: 0.7067 - lr: 0.0090  
Epoch 526/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5397 - accuracy: 0.6875  
Epoch 526: val_loss did not improve from 0.49699  
11/11 [=====] - 0s 9ms/step - loss: 0.5040 - accuracy: 0.  
7328 - val_loss: 0.4989 - val_accuracy: 0.7067 - lr: 0.0090  
Epoch 527/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5411 - accuracy: 0.6562  
Epoch 527: val_loss did not improve from 0.49699  
11/11 [=====] - 0s 9ms/step - loss: 0.5040 - accuracy: 0.  
7270 - val_loss: 0.5008 - val_accuracy: 0.7200 - lr: 0.0090  
Epoch 528/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5253 - accuracy: 0.7188  
Epoch 528: val_loss did not improve from 0.49699  
11/11 [=====] - 0s 9ms/step - loss: 0.5045 - accuracy: 0.  
7270 - val_loss: 0.5209 - val_accuracy: 0.7200 - lr: 0.0090  
Epoch 529/1000  
11/11 [=====] - ETA: 0s - loss: 0.5039 - accuracy: 0.7270  
Epoch 529: val_loss did not improve from 0.49699  
11/11 [=====] - 0s 10ms/step - loss: 0.5039 - accuracy:  
0.7270 - val_loss: 0.4991 - val_accuracy: 0.7067 - lr: 0.0090  
Epoch 530/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5623 - accuracy: 0.6562  
Epoch 530: val_loss did not improve from 0.49699  
11/11 [=====] - 0s 8ms/step - loss: 0.5065 - accuracy: 0.  
7241 - val_loss: 0.5075 - val_accuracy: 0.7200 - lr: 0.0090  
Epoch 531/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5315 - accuracy: 0.6875  
Epoch 531: val_loss improved from 0.49699 to 0.49134, saving model to tmp/Weights-  
531--0.49134.hdf5  
11/11 [=====] - 0s 12ms/step - loss: 0.5044 - accuracy:  
0.7328 - val_loss: 0.4913 - val_accuracy: 0.7200 - lr: 0.0090  
Epoch 532/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5767 - accuracy: 0.7188
Epoch 532: val_loss did not improve from 0.49134
11/11 [=====] - 0s 9ms/step - loss: 0.5052 - accuracy: 0.
7356 - val_loss: 0.5136 - val_accuracy: 0.7067 - lr: 0.0090
Epoch 533/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5423 - accuracy: 0.6875
Epoch 533: val_loss did not improve from 0.49134
11/11 [=====] - 0s 8ms/step - loss: 0.5037 - accuracy: 0.
7299 - val_loss: 0.5034 - val_accuracy: 0.7067 - lr: 0.0090
Epoch 534/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4921 - accuracy: 0.7812
Epoch 534: val_loss did not improve from 0.49134
11/11 [=====] - 0s 8ms/step - loss: 0.5016 - accuracy: 0.
7328 - val_loss: 0.4984 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 535/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5891 - accuracy: 0.6875
Epoch 535: val_loss improved from 0.49134 to 0.48743, saving model to tmp/Weights-
535--0.48743.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5102 - accuracy:
0.7213 - val_loss: 0.4874 - val_accuracy: 0.7133 - lr: 0.0090
Epoch 536/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5438 - accuracy: 0.6875
Epoch 536: val_loss did not improve from 0.48743
11/11 [=====] - 0s 8ms/step - loss: 0.5111 - accuracy: 0.
7213 - val_loss: 0.5126 - val_accuracy: 0.7000 - lr: 0.0090
Epoch 537/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4465 - accuracy: 0.7188
Epoch 537: val_loss did not improve from 0.48743
11/11 [=====] - 0s 9ms/step - loss: 0.5083 - accuracy: 0.
7040 - val_loss: 0.5154 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 538/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5305 - accuracy: 0.7188
Epoch 538: val_loss did not improve from 0.48743
11/11 [=====] - 0s 9ms/step - loss: 0.5138 - accuracy: 0.
7241 - val_loss: 0.5234 - val_accuracy: 0.7067 - lr: 0.0090
Epoch 539/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4834 - accuracy: 0.7812
Epoch 539: val_loss did not improve from 0.48743
11/11 [=====] - 0s 9ms/step - loss: 0.5181 - accuracy: 0.
7241 - val_loss: 0.4943 - val_accuracy: 0.7133 - lr: 0.0090
Epoch 540/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4961 - accuracy: 0.7188
Epoch 540: val_loss did not improve from 0.48743
11/11 [=====] - 0s 9ms/step - loss: 0.5095 - accuracy: 0.
7213 - val_loss: 0.5414 - val_accuracy: 0.7067 - lr: 0.0090
Epoch 541/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5536 - accuracy: 0.6875
Epoch 541: val_loss did not improve from 0.48743
11/11 [=====] - 0s 9ms/step - loss: 0.5105 - accuracy: 0.
7328 - val_loss: 0.4931 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 542/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5395 - accuracy: 0.6875
Epoch 542: val_loss did not improve from 0.48743
11/11 [=====] - 0s 10ms/step - loss: 0.5096 - accuracy:
0.7184 - val_loss: 0.4944 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 543/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4719 - accuracy: 0.7812
Epoch 543: val_loss did not improve from 0.48743
11/11 [=====] - 0s 8ms/step - loss: 0.5038 - accuracy: 0.
7241 - val_loss: 0.4987 - val_accuracy: 0.7000 - lr: 0.0090
Epoch 544/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5823 - accuracy: 0.5938
Epoch 544: val_loss did not improve from 0.48743
11/11 [=====] - 0s 8ms/step - loss: 0.5013 - accuracy: 0.
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7270 - val_loss: 0.5034 - val_accuracy: 0.7000 - lr: 0.0090
Epoch 545/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4515 - accuracy: 0.7500
Epoch 545: val_loss did not improve from 0.48743
11/11 [=====] - 0s 9ms/step - loss: 0.4996 - accuracy: 0.
7356 - val_loss: 0.4957 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 546/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4118 - accuracy: 0.7812
Epoch 546: val_loss did not improve from 0.48743
11/11 [=====] - 0s 9ms/step - loss: 0.4996 - accuracy: 0.
7328 - val_loss: 0.4916 - val_accuracy: 0.7067 - lr: 0.0090
Epoch 547/1000
11/11 [=====] - ETA: 0s - loss: 0.4975 - accuracy: 0.7299
Epoch 547: val_loss did not improve from 0.48743
11/11 [=====] - 0s 11ms/step - loss: 0.4975 - accuracy:
0.7299 - val_loss: 0.4979 - val_accuracy: 0.7133 - lr: 0.0090
Epoch 548/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4840 - accuracy: 0.7812
Epoch 548: val_loss did not improve from 0.48743
11/11 [=====] - 0s 9ms/step - loss: 0.5096 - accuracy: 0.
7241 - val_loss: 0.5542 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 549/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6081 - accuracy: 0.5000
Epoch 549: val_loss did not improve from 0.48743
11/11 [=====] - 0s 9ms/step - loss: 0.5135 - accuracy: 0.
6925 - val_loss: 0.4999 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 550/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4686 - accuracy: 0.7812
Epoch 550: val_loss did not improve from 0.48743
11/11 [=====] - 0s 8ms/step - loss: 0.5074 - accuracy: 0.
7155 - val_loss: 0.5645 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 551/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4250 - accuracy: 0.8750
Epoch 551: val_loss did not improve from 0.48743
11/11 [=====] - 0s 8ms/step - loss: 0.5125 - accuracy: 0.
7011 - val_loss: 0.4972 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 552/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4877 - accuracy: 0.5938
Epoch 552: val_loss did not improve from 0.48743
11/11 [=====] - 0s 9ms/step - loss: 0.5141 - accuracy: 0.
7184 - val_loss: 0.5237 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 553/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5070 - accuracy: 0.7812
Epoch 553: val_loss did not improve from 0.48743
11/11 [=====] - 0s 8ms/step - loss: 0.5068 - accuracy: 0.
7155 - val_loss: 0.5019 - val_accuracy: 0.7000 - lr: 0.0090
Epoch 554/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5411 - accuracy: 0.6562
Epoch 554: val_loss improved from 0.48743 to 0.48147, saving model to tmp/Weights-
554--0.48147.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5088 - accuracy:
0.7069 - val_loss: 0.4815 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 555/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4217 - accuracy: 0.8438
Epoch 555: val_loss did not improve from 0.48147
11/11 [=====] - 0s 10ms/step - loss: 0.5062 - accuracy:
0.7184 - val_loss: 0.4923 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 556/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4984 - accuracy: 0.7188
Epoch 556: val_loss did not improve from 0.48147
11/11 [=====] - 0s 8ms/step - loss: 0.5019 - accuracy: 0.
7213 - val_loss: 0.5019 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 557/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4172 - accuracy: 0.8125
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Epoch 557: val_loss did not improve from 0.48147
11/11 [=====] - 0s 9ms/step - loss: 0.5023 - accuracy: 0.
7213 - val_loss: 0.4834 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 558/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5851 - accuracy: 0.6562
Epoch 558: val_loss did not improve from 0.48147
11/11 [=====] - 0s 10ms/step - loss: 0.5041 - accuracy: 0.
6925 - val_loss: 0.4973 - val_accuracy: 0.7133 - lr: 0.0090
Epoch 559/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5128 - accuracy: 0.7500
Epoch 559: val_loss did not improve from 0.48147
11/11 [=====] - 0s 9ms/step - loss: 0.5034 - accuracy: 0.
7328 - val_loss: 0.4989 - val_accuracy: 0.7133 - lr: 0.0090
Epoch 560/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6255 - accuracy: 0.5312
Epoch 560: val_loss improved from 0.48147 to 0.48088, saving model to tmp/Weights-560--0.48088.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5011 - accuracy: 0.
7241 - val_loss: 0.4809 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 561/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3944 - accuracy: 0.8438
Epoch 561: val_loss did not improve from 0.48088
11/11 [=====] - 0s 8ms/step - loss: 0.4989 - accuracy: 0.
7299 - val_loss: 0.5028 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 562/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5047 - accuracy: 0.6875
Epoch 562: val_loss did not improve from 0.48088
11/11 [=====] - 0s 10ms/step - loss: 0.4983 - accuracy: 0.
7270 - val_loss: 0.4834 - val_accuracy: 0.7133 - lr: 0.0090
Epoch 563/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4105 - accuracy: 0.8125
Epoch 563: val_loss did not improve from 0.48088
11/11 [=====] - 0s 8ms/step - loss: 0.4985 - accuracy: 0.
7356 - val_loss: 0.5061 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 564/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5117 - accuracy: 0.6875
Epoch 564: val_loss did not improve from 0.48088
11/11 [=====] - 0s 8ms/step - loss: 0.4938 - accuracy: 0.
7328 - val_loss: 0.4828 - val_accuracy: 0.7067 - lr: 0.0090
Epoch 565/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4609 - accuracy: 0.7812
Epoch 565: val_loss improved from 0.48088 to 0.48017, saving model to tmp/Weights-565--0.48017.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.4955 - accuracy: 0.
7299 - val_loss: 0.4802 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 566/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5414 - accuracy: 0.6875
Epoch 566: val_loss did not improve from 0.48017
11/11 [=====] - 0s 9ms/step - loss: 0.4958 - accuracy: 0.
7270 - val_loss: 0.5031 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 567/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5668 - accuracy: 0.6562
Epoch 567: val_loss did not improve from 0.48017
11/11 [=====] - 0s 8ms/step - loss: 0.5081 - accuracy: 0.
7126 - val_loss: 0.5098 - val_accuracy: 0.7133 - lr: 0.0090
Epoch 568/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4982 - accuracy: 0.7188
Epoch 568: val_loss did not improve from 0.48017
11/11 [=====] - 0s 8ms/step - loss: 0.4975 - accuracy: 0.
7213 - val_loss: 0.4884 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 569/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5074 - accuracy: 0.7812
Epoch 569: val_loss did not improve from 0.48017
11/11 [=====] - 0s 8ms/step - loss: 0.4986 - accuracy: 0.
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7328 - val_loss: 0.4989 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 570/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4886 - accuracy: 0.6875
Epoch 570: val_loss did not improve from 0.48017
11/11 [=====] - 0s 8ms/step - loss: 0.4911 - accuracy: 0.
7299 - val_loss: 0.4891 - val_accuracy: 0.7133 - lr: 0.0090
Epoch 571/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5758 - accuracy: 0.6562
Epoch 571: val_loss did not improve from 0.48017
11/11 [=====] - 0s 8ms/step - loss: 0.4913 - accuracy: 0.
7356 - val_loss: 0.4833 - val_accuracy: 0.7133 - lr: 0.0090
Epoch 572/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4069 - accuracy: 0.9062
Epoch 572: val_loss improved from 0.48017 to 0.47852, saving model to tmp/Weights-572--0.47852.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.4927 - accuracy: 0.
7299 - val_loss: 0.4785 - val_accuracy: 0.7133 - lr: 0.0090
Epoch 573/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4783 - accuracy: 0.7500
Epoch 573: val_loss did not improve from 0.47852
11/11 [=====] - 0s 8ms/step - loss: 0.4955 - accuracy: 0.
7385 - val_loss: 0.5030 - val_accuracy: 0.7067 - lr: 0.0090
Epoch 574/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4109 - accuracy: 0.8125
Epoch 574: val_loss improved from 0.47852 to 0.47302, saving model to tmp/Weights-574--0.47302.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.4955 - accuracy: 0.
7213 - val_loss: 0.4730 - val_accuracy: 0.7400 - lr: 0.0090
Epoch 575/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4803 - accuracy: 0.7500
Epoch 575: val_loss did not improve from 0.47302
11/11 [=====] - 0s 9ms/step - loss: 0.4978 - accuracy: 0.
7241 - val_loss: 0.4904 - val_accuracy: 0.7133 - lr: 0.0090
Epoch 576/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4144 - accuracy: 0.8125
Epoch 576: val_loss did not improve from 0.47302
11/11 [=====] - 0s 9ms/step - loss: 0.4908 - accuracy: 0.
7328 - val_loss: 0.4800 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 577/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5119 - accuracy: 0.7500
Epoch 577: val_loss did not improve from 0.47302
11/11 [=====] - 0s 8ms/step - loss: 0.4891 - accuracy: 0.
7328 - val_loss: 0.4836 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 578/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5339 - accuracy: 0.7188
Epoch 578: val_loss improved from 0.47302 to 0.47236, saving model to tmp/Weights-578--0.47236.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.4883 - accuracy: 0.
7328 - val_loss: 0.4724 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 579/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5446 - accuracy: 0.6875
Epoch 579: val_loss did not improve from 0.47236
11/11 [=====] - 0s 9ms/step - loss: 0.4899 - accuracy: 0.
7328 - val_loss: 0.4738 - val_accuracy: 0.7333 - lr: 0.0090
Epoch 580/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5201 - accuracy: 0.7812
Epoch 580: val_loss did not improve from 0.47236
11/11 [=====] - 0s 8ms/step - loss: 0.4914 - accuracy: 0.
7299 - val_loss: 0.4727 - val_accuracy: 0.7400 - lr: 0.0090
Epoch 581/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4236 - accuracy: 0.8438
Epoch 581: val_loss improved from 0.47236 to 0.46882, saving model to tmp/Weights-581--0.46882.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.4940 - accuracy:
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0.7155 - val_loss: 0.4688 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 582/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4512 - accuracy: 0.7812
Epoch 582: val_loss did not improve from 0.46882
11/11 [=====] - 0s 8ms/step - loss: 0.4976 - accuracy: 0.
7328 - val_loss: 0.5117 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 583/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5483 - accuracy: 0.6875
Epoch 583: val_loss did not improve from 0.46882
11/11 [=====] - 0s 9ms/step - loss: 0.5064 - accuracy: 0.
7126 - val_loss: 0.4851 - val_accuracy: 0.7000 - lr: 0.0090
Epoch 584/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6248 - accuracy: 0.5312
Epoch 584: val_loss did not improve from 0.46882
11/11 [=====] - 0s 9ms/step - loss: 0.4959 - accuracy: 0.
7270 - val_loss: 0.4718 - val_accuracy: 0.7467 - lr: 0.0090
Epoch 585/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5314 - accuracy: 0.7500
Epoch 585: val_loss did not improve from 0.46882
11/11 [=====] - 0s 9ms/step - loss: 0.4955 - accuracy: 0.
7299 - val_loss: 0.4929 - val_accuracy: 0.7133 - lr: 0.0090
Epoch 586/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3613 - accuracy: 0.8125
Epoch 586: val_loss did not improve from 0.46882
11/11 [=====] - 0s 8ms/step - loss: 0.4900 - accuracy: 0.
7299 - val_loss: 0.4845 - val_accuracy: 0.7067 - lr: 0.0090
Epoch 587/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4378 - accuracy: 0.7500
Epoch 587: val_loss did not improve from 0.46882
11/11 [=====] - 0s 9ms/step - loss: 0.4912 - accuracy: 0.
7356 - val_loss: 0.4737 - val_accuracy: 0.7333 - lr: 0.0090
Epoch 588/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4415 - accuracy: 0.7812
Epoch 588: val_loss improved from 0.46882 to 0.46823, saving model to tmp/Weights-588--0.46823.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.4912 - accuracy: 0.
7299 - val_loss: 0.4682 - val_accuracy: 0.7333 - lr: 0.0090
Epoch 589/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5503 - accuracy: 0.7188
Epoch 589: val_loss did not improve from 0.46823
11/11 [=====] - 0s 10ms/step - loss: 0.4937 - accuracy: 0.
7328 - val_loss: 0.4758 - val_accuracy: 0.7333 - lr: 0.0090
Epoch 590/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4517 - accuracy: 0.8125
Epoch 590: val_loss did not improve from 0.46823
11/11 [=====] - 0s 9ms/step - loss: 0.4881 - accuracy: 0.
7356 - val_loss: 0.4997 - val_accuracy: 0.7000 - lr: 0.0090
Epoch 591/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4681 - accuracy: 0.7188
Epoch 591: val_loss did not improve from 0.46823
11/11 [=====] - 0s 9ms/step - loss: 0.4946 - accuracy: 0.
7241 - val_loss: 0.4714 - val_accuracy: 0.7333 - lr: 0.0090
Epoch 592/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4421 - accuracy: 0.7188
Epoch 592: val_loss did not improve from 0.46823
11/11 [=====] - 0s 8ms/step - loss: 0.4954 - accuracy: 0.
7270 - val_loss: 0.4764 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 593/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5377 - accuracy: 0.6562
Epoch 593: val_loss did not improve from 0.46823
11/11 [=====] - 0s 9ms/step - loss: 0.4964 - accuracy: 0.
7299 - val_loss: 0.4922 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 594/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5131 - accuracy: 0.6875
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Epoch 594: val_loss did not improve from 0.46823
11/11 [=====] - 0s 9ms/step - loss: 0.4914 - accuracy: 0.
7356 - val_loss: 0.4683 - val_accuracy: 0.7400 - lr: 0.0090
Epoch 595/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4554 - accuracy: 0.8125
Epoch 595: val_loss did not improve from 0.46823
11/11 [=====] - 0s 9ms/step - loss: 0.4869 - accuracy: 0.
7356 - val_loss: 0.5212 - val_accuracy: 0.7067 - lr: 0.0090
Epoch 596/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4955 - accuracy: 0.7500
Epoch 596: val_loss improved from 0.46823 to 0.46178, saving model to tmp/Weights-596--0.46178.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.4947 - accuracy: 0.
7328 - val_loss: 0.4618 - val_accuracy: 0.7400 - lr: 0.0090
Epoch 597/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4592 - accuracy: 0.7188
Epoch 597: val_loss did not improve from 0.46178
11/11 [=====] - 0s 9ms/step - loss: 0.4910 - accuracy: 0.
7299 - val_loss: 0.4627 - val_accuracy: 0.7400 - lr: 0.0090
Epoch 598/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4696 - accuracy: 0.7812
Epoch 598: val_loss did not improve from 0.46178
11/11 [=====] - 0s 8ms/step - loss: 0.4905 - accuracy: 0.
7328 - val_loss: 0.4794 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 599/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3991 - accuracy: 0.9062
Epoch 599: val_loss did not improve from 0.46178
11/11 [=====] - 0s 8ms/step - loss: 0.4863 - accuracy: 0.
7328 - val_loss: 0.4991 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 600/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4727 - accuracy: 0.7812
Epoch 600: val_loss did not improve from 0.46178
11/11 [=====] - 0s 8ms/step - loss: 0.4867 - accuracy: 0.
7356 - val_loss: 0.4726 - val_accuracy: 0.7333 - lr: 0.0090
Epoch 601/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4867 - accuracy: 0.7500
Epoch 601: val_loss did not improve from 0.46178
11/11 [=====] - 0s 8ms/step - loss: 0.4844 - accuracy: 0.
7385 - val_loss: 0.4753 - val_accuracy: 0.7333 - lr: 0.0090
Epoch 602/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4797 - accuracy: 0.8125
Epoch 602: val_loss did not improve from 0.46178
11/11 [=====] - 0s 8ms/step - loss: 0.4842 - accuracy: 0.
7356 - val_loss: 0.4934 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 603/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3979 - accuracy: 0.7812
Epoch 603: val_loss did not improve from 0.46178
11/11 [=====] - 0s 9ms/step - loss: 0.4874 - accuracy: 0.
7270 - val_loss: 0.4685 - val_accuracy: 0.7400 - lr: 0.0090
Epoch 604/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4426 - accuracy: 0.8438
Epoch 604: val_loss did not improve from 0.46178
11/11 [=====] - 0s 8ms/step - loss: 0.4865 - accuracy: 0.
7356 - val_loss: 0.4832 - val_accuracy: 0.7333 - lr: 0.0090
Epoch 605/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5674 - accuracy: 0.5938
Epoch 605: val_loss did not improve from 0.46178
11/11 [=====] - 0s 8ms/step - loss: 0.4877 - accuracy: 0.
7299 - val_loss: 0.4796 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 606/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4750 - accuracy: 0.8125
Epoch 606: val_loss improved from 0.46178 to 0.45514, saving model to tmp/Weights-606--0.45514.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.4877 - accuracy:
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0.7299 - val_loss: 0.4551 - val_accuracy: 0.7467 - lr: 0.0090
Epoch 607/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4878 - accuracy: 0.6875
Epoch 607: val_loss did not improve from 0.45514
11/11 [=====] - 0s 8ms/step - loss: 0.4889 - accuracy: 0.
7270 - val_loss: 0.4622 - val_accuracy: 0.7467 - lr: 0.0090
Epoch 608/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4534 - accuracy: 0.8125
Epoch 608: val_loss did not improve from 0.45514
11/11 [=====] - 0s 9ms/step - loss: 0.4882 - accuracy: 0.
7299 - val_loss: 0.5117 - val_accuracy: 0.7000 - lr: 0.0090
Epoch 609/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4454 - accuracy: 0.7188
Epoch 609: val_loss did not improve from 0.45514
11/11 [=====] - 0s 8ms/step - loss: 0.4935 - accuracy: 0.
7270 - val_loss: 0.4586 - val_accuracy: 0.7467 - lr: 0.0090
Epoch 610/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4675 - accuracy: 0.7188
Epoch 610: val_loss did not improve from 0.45514
11/11 [=====] - 0s 8ms/step - loss: 0.4879 - accuracy: 0.
7328 - val_loss: 0.4675 - val_accuracy: 0.7400 - lr: 0.0090
Epoch 611/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4624 - accuracy: 0.7500
Epoch 611: val_loss did not improve from 0.45514
11/11 [=====] - 0s 8ms/step - loss: 0.4875 - accuracy: 0.
7356 - val_loss: 0.4680 - val_accuracy: 0.7333 - lr: 0.0090
Epoch 612/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4892 - accuracy: 0.6875
Epoch 612: val_loss did not improve from 0.45514
11/11 [=====] - 0s 9ms/step - loss: 0.4872 - accuracy: 0.
7299 - val_loss: 0.4772 - val_accuracy: 0.7333 - lr: 0.0090
Epoch 613/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4346 - accuracy: 0.8750
Epoch 613: val_loss did not improve from 0.45514
11/11 [=====] - 0s 9ms/step - loss: 0.4906 - accuracy: 0.
7184 - val_loss: 0.4790 - val_accuracy: 0.7333 - lr: 0.0090
Epoch 614/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4595 - accuracy: 0.8125
Epoch 614: val_loss did not improve from 0.45514
11/11 [=====] - 0s 9ms/step - loss: 0.4847 - accuracy: 0.
7385 - val_loss: 0.4915 - val_accuracy: 0.7133 - lr: 0.0090
Epoch 615/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5285 - accuracy: 0.7188
Epoch 615: val_loss did not improve from 0.45514
11/11 [=====] - 0s 9ms/step - loss: 0.4922 - accuracy: 0.
7270 - val_loss: 0.4836 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 616/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5734 - accuracy: 0.5938
Epoch 616: val_loss did not improve from 0.45514
11/11 [=====] - 0s 8ms/step - loss: 0.4845 - accuracy: 0.
7356 - val_loss: 0.4770 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 617/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4403 - accuracy: 0.8125
Epoch 617: val_loss did not improve from 0.45514
11/11 [=====] - 0s 9ms/step - loss: 0.4875 - accuracy: 0.
7328 - val_loss: 0.4616 - val_accuracy: 0.7400 - lr: 0.0090
Epoch 618/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4142 - accuracy: 0.8750
Epoch 618: val_loss did not improve from 0.45514
11/11 [=====] - 0s 8ms/step - loss: 0.4878 - accuracy: 0.
7328 - val_loss: 0.4811 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 619/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4802 - accuracy: 0.6875
Epoch 619: val_loss did not improve from 0.45514
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11/11 [=====] - 0s 8ms/step - loss: 0.4916 - accuracy: 0.7270 - val_loss: 0.4646 - val_accuracy: 0.7400 - lr: 0.0090
Epoch 620/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4845 - accuracy: 0.7500
Epoch 620: val_loss did not improve from 0.45514
11/11 [=====] - 0s 8ms/step - loss: 0.4929 - accuracy: 0.7213 - val_loss: 0.4591 - val_accuracy: 0.7400 - lr: 0.0090
Epoch 621/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3915 - accuracy: 0.8438
Epoch 621: val_loss did not improve from 0.45514
11/11 [=====] - 0s 9ms/step - loss: 0.4884 - accuracy: 0.7328 - val_loss: 0.5023 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 622/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5059 - accuracy: 0.6875
Epoch 622: val_loss did not improve from 0.45514
11/11 [=====] - 0s 9ms/step - loss: 0.4914 - accuracy: 0.7069 - val_loss: 0.4628 - val_accuracy: 0.7467 - lr: 0.0090
Epoch 623/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5417 - accuracy: 0.7188
Epoch 623: val_loss did not improve from 0.45514
11/11 [=====] - 0s 10ms/step - loss: 0.4878 - accuracy: 0.7299 - val_loss: 0.4709 - val_accuracy: 0.7333 - lr: 0.0090
Epoch 624/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4787 - accuracy: 0.6875
Epoch 624: val_loss did not improve from 0.45514
11/11 [=====] - 0s 9ms/step - loss: 0.4875 - accuracy: 0.7299 - val_loss: 0.4992 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 625/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5138 - accuracy: 0.6562
Epoch 625: val_loss improved from 0.45514 to 0.45263, saving model to tmp/Weights-625--0.45263.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.4855 - accuracy: 0.7299 - val_loss: 0.4526 - val_accuracy: 0.7600 - lr: 0.0090
Epoch 626/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5186 - accuracy: 0.7500
Epoch 626: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4914 - accuracy: 0.7270 - val_loss: 0.6116 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 627/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5854 - accuracy: 0.6562
Epoch 627: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4973 - accuracy: 0.7241 - val_loss: 0.4585 - val_accuracy: 0.7600 - lr: 0.0090
Epoch 628/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4092 - accuracy: 0.8750
Epoch 628: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.5058 - accuracy: 0.7040 - val_loss: 0.4780 - val_accuracy: 0.7133 - lr: 0.0090
Epoch 629/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3956 - accuracy: 0.7812
Epoch 629: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.5153 - accuracy: 0.7098 - val_loss: 0.4705 - val_accuracy: 0.7333 - lr: 0.0090
Epoch 630/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5408 - accuracy: 0.6250
Epoch 630: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.5305 - accuracy: 0.6782 - val_loss: 0.5639 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 631/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5751 - accuracy: 0.5938
Epoch 631: val_loss did not improve from 0.45263
11/11 [=====] - 0s 8ms/step - loss: 0.5172 - accuracy: 0.6983 - val_loss: 0.5030 - val_accuracy: 0.7000 - lr: 0.0090
Epoch 632/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6423 - accuracy: 0.5312
Epoch 632: val_loss did not improve from 0.45263
11/11 [=====] - 0s 8ms/step - loss: 0.5338 - accuracy: 0.
6782 - val_loss: 0.4930 - val_accuracy: 0.7000 - lr: 0.0090
Epoch 633/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5038 - accuracy: 0.6562
Epoch 633: val_loss did not improve from 0.45263
11/11 [=====] - 0s 8ms/step - loss: 0.5323 - accuracy: 0.
6609 - val_loss: 0.4867 - val_accuracy: 0.7067 - lr: 0.0090
Epoch 634/1000
8/11 [=====>.....] - ETA: 0s - loss: 0.5321 - accuracy: 0.6797
Epoch 634: val_loss did not improve from 0.45263
11/11 [=====] - 0s 12ms/step - loss: 0.5247 - accuracy: 0.
6868 - val_loss: 0.4850 - val_accuracy: 0.7067 - lr: 0.0090
Epoch 635/1000
11/11 [=====] - ETA: 0s - loss: 0.5013 - accuracy: 0.7126
Epoch 635: val_loss did not improve from 0.45263
11/11 [=====] - 0s 11ms/step - loss: 0.5013 - accuracy: 0.
7126 - val_loss: 0.5629 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 636/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4992 - accuracy: 0.6875
Epoch 636: val_loss did not improve from 0.45263
11/11 [=====] - 0s 8ms/step - loss: 0.5220 - accuracy: 0.
6954 - val_loss: 0.4866 - val_accuracy: 0.7133 - lr: 0.0090
Epoch 637/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5076 - accuracy: 0.8125
Epoch 637: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.5142 - accuracy: 0.
6839 - val_loss: 0.4894 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 638/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5559 - accuracy: 0.6250
Epoch 638: val_loss did not improve from 0.45263
11/11 [=====] - 0s 8ms/step - loss: 0.5060 - accuracy: 0.
7040 - val_loss: 0.4897 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 639/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5146 - accuracy: 0.6875
Epoch 639: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4928 - accuracy: 0.
7299 - val_loss: 0.4697 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 640/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5588 - accuracy: 0.6562
Epoch 640: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4912 - accuracy: 0.
7270 - val_loss: 0.4858 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 641/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4351 - accuracy: 0.7812
Epoch 641: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4917 - accuracy: 0.
7241 - val_loss: 0.4759 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 642/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3053 - accuracy: 0.9375
Epoch 642: val_loss did not improve from 0.45263
11/11 [=====] - 0s 8ms/step - loss: 0.4886 - accuracy: 0.
7270 - val_loss: 0.4746 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 643/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4551 - accuracy: 0.8438
Epoch 643: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4897 - accuracy: 0.
7299 - val_loss: 0.4840 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 644/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4473 - accuracy: 0.7500
Epoch 644: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4911 - accuracy: 0.
7299 - val_loss: 0.4874 - val_accuracy: 0.7200 - lr: 0.0090
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Epoch 645/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5122 - accuracy: 0.7188
Epoch 645: val_loss did not improve from 0.45263
11/11 [=====] - 0s 8ms/step - loss: 0.4899 - accuracy: 0.
7213 - val_loss: 0.4688 - val_accuracy: 0.7333 - lr: 0.0090
Epoch 646/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4407 - accuracy: 0.7812
Epoch 646: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4967 - accuracy: 0.
7241 - val_loss: 0.4955 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 647/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4608 - accuracy: 0.7188
Epoch 647: val_loss did not improve from 0.45263
11/11 [=====] - 0s 7ms/step - loss: 0.4902 - accuracy: 0.
7241 - val_loss: 0.4645 - val_accuracy: 0.7333 - lr: 0.0090
Epoch 648/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4132 - accuracy: 0.8750
Epoch 648: val_loss did not improve from 0.45263
11/11 [=====] - 0s 8ms/step - loss: 0.4911 - accuracy: 0.
7270 - val_loss: 0.4727 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 649/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5252 - accuracy: 0.6875
Epoch 649: val_loss did not improve from 0.45263
11/11 [=====] - 0s 8ms/step - loss: 0.4998 - accuracy: 0.
7184 - val_loss: 0.4996 - val_accuracy: 0.7133 - lr: 0.0090
Epoch 650/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5476 - accuracy: 0.7500
Epoch 650: val_loss did not improve from 0.45263
11/11 [=====] - 0s 8ms/step - loss: 0.4927 - accuracy: 0.
7213 - val_loss: 0.4658 - val_accuracy: 0.7333 - lr: 0.0090
Epoch 651/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5028 - accuracy: 0.6875
Epoch 651: val_loss did not improve from 0.45263
11/11 [=====] - 0s 8ms/step - loss: 0.4944 - accuracy: 0.
7270 - val_loss: 0.5067 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 652/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4661 - accuracy: 0.8125
Epoch 652: val_loss did not improve from 0.45263
11/11 [=====] - 0s 8ms/step - loss: 0.5069 - accuracy: 0.
7069 - val_loss: 0.4756 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 653/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5055 - accuracy: 0.7500
Epoch 653: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.5045 - accuracy: 0.
7098 - val_loss: 0.4759 - val_accuracy: 0.7333 - lr: 0.0090
Epoch 654/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4347 - accuracy: 0.8125
Epoch 654: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.5031 - accuracy: 0.
7155 - val_loss: 0.4800 - val_accuracy: 0.7400 - lr: 0.0090
Epoch 655/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5390 - accuracy: 0.6562
Epoch 655: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.5045 - accuracy: 0.
7126 - val_loss: 0.5064 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 656/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4783 - accuracy: 0.7188
Epoch 656: val_loss did not improve from 0.45263
11/11 [=====] - 0s 8ms/step - loss: 0.5139 - accuracy: 0.
7040 - val_loss: 0.4828 - val_accuracy: 0.7333 - lr: 0.0090
Epoch 657/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4429 - accuracy: 0.7500
Epoch 657: val_loss did not improve from 0.45263
11/11 [=====] - 0s 8ms/step - loss: 0.4977 - accuracy: 0.
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7098 - val_loss: 0.4886 - val_accuracy: 0.7133 - lr: 0.0090
Epoch 658/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4461 - accuracy: 0.7812
Epoch 658: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4981 - accuracy: 0.
7184 - val_loss: 0.4672 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 659/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5154 - accuracy: 0.7188
Epoch 659: val_loss did not improve from 0.45263
11/11 [=====] - 0s 8ms/step - loss: 0.4945 - accuracy: 0.
7126 - val_loss: 0.4882 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 660/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4464 - accuracy: 0.8125
Epoch 660: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4981 - accuracy: 0.
7184 - val_loss: 0.4971 - val_accuracy: 0.7067 - lr: 0.0090
Epoch 661/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5123 - accuracy: 0.6250
Epoch 661: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.5096 - accuracy: 0.
7040 - val_loss: 0.4920 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 662/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4636 - accuracy: 0.8125
Epoch 662: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4878 - accuracy: 0.
7270 - val_loss: 0.4885 - val_accuracy: 0.7133 - lr: 0.0090
Epoch 663/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5112 - accuracy: 0.6562
Epoch 663: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4903 - accuracy: 0.
7299 - val_loss: 0.4664 - val_accuracy: 0.7400 - lr: 0.0090
Epoch 664/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5011 - accuracy: 0.7188
Epoch 664: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4927 - accuracy: 0.
7155 - val_loss: 0.4660 - val_accuracy: 0.7333 - lr: 0.0090
Epoch 665/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5631 - accuracy: 0.6562
Epoch 665: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4940 - accuracy: 0.
7270 - val_loss: 0.4775 - val_accuracy: 0.7400 - lr: 0.0090
Epoch 666/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5250 - accuracy: 0.6875
Epoch 666: val_loss did not improve from 0.45263
11/11 [=====] - 0s 8ms/step - loss: 0.4893 - accuracy: 0.
7270 - val_loss: 0.4864 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 667/1000
11/11 [=====] - ETA: 0s - loss: 0.4902 - accuracy: 0.7270
Epoch 667: val_loss did not improve from 0.45263
11/11 [=====] - 0s 11ms/step - loss: 0.4902 - accuracy:
0.7270 - val_loss: 0.4822 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 668/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5172 - accuracy: 0.6875
Epoch 668: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4863 - accuracy: 0.
7299 - val_loss: 0.4737 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 669/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5301 - accuracy: 0.5938
Epoch 669: val_loss did not improve from 0.45263
11/11 [=====] - 0s 8ms/step - loss: 0.4842 - accuracy: 0.
7328 - val_loss: 0.4773 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 670/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4702 - accuracy: 0.7500
Epoch 670: val_loss did not improve from 0.45263
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11/11 [=====] - 0s 9ms/step - loss: 0.4861 - accuracy: 0.  
7299 - val_loss: 0.4599 - val_accuracy: 0.7333 - lr: 0.0090  
Epoch 671/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5032 - accuracy: 0.7188  
Epoch 671: val_loss did not improve from 0.45263  
11/11 [=====] - 0s 8ms/step - loss: 0.4904 - accuracy: 0.  
7299 - val_loss: 0.4873 - val_accuracy: 0.7200 - lr: 0.0090  
Epoch 672/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4728 - accuracy: 0.7812  
Epoch 672: val_loss did not improve from 0.45263  
11/11 [=====] - 0s 8ms/step - loss: 0.4876 - accuracy: 0.  
7270 - val_loss: 0.4800 - val_accuracy: 0.7200 - lr: 0.0090  
Epoch 673/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5364 - accuracy: 0.6562  
Epoch 673: val_loss did not improve from 0.45263  
11/11 [=====] - 0s 9ms/step - loss: 0.4847 - accuracy: 0.  
7299 - val_loss: 0.4605 - val_accuracy: 0.7400 - lr: 0.0090  
Epoch 674/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4823 - accuracy: 0.7500  
Epoch 674: val_loss did not improve from 0.45263  
11/11 [=====] - 0s 9ms/step - loss: 0.4863 - accuracy: 0.  
7299 - val_loss: 0.4756 - val_accuracy: 0.7333 - lr: 0.0090  
Epoch 675/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4215 - accuracy: 0.7500  
Epoch 675: val_loss did not improve from 0.45263  
  
Epoch 675: ReduceLROnPlateau reducing learning rate to 0.006299999728798866.  
11/11 [=====] - 0s 9ms/step - loss: 0.4844 - accuracy: 0.  
7270 - val_loss: 0.4721 - val_accuracy: 0.7267 - lr: 0.0090  
Epoch 676/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5163 - accuracy: 0.7500  
Epoch 676: val_loss did not improve from 0.45263  
11/11 [=====] - 0s 9ms/step - loss: 0.4847 - accuracy: 0.  
7270 - val_loss: 0.4744 - val_accuracy: 0.7200 - lr: 0.0063  
Epoch 677/1000  
10/11 [=====>...] - ETA: 0s - loss: 0.4877 - accuracy: 0.7156  
Epoch 677: val_loss did not improve from 0.45263  
11/11 [=====] - 0s 10ms/step - loss: 0.4874 - accuracy:  
0.7155 - val_loss: 0.4699 - val_accuracy: 0.7267 - lr: 0.0063  
Epoch 678/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3562 - accuracy: 0.8125  
Epoch 678: val_loss did not improve from 0.45263  
11/11 [=====] - 0s 9ms/step - loss: 0.4861 - accuracy: 0.  
7299 - val_loss: 0.4903 - val_accuracy: 0.7200 - lr: 0.0063  
Epoch 679/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4302 - accuracy: 0.7812  
Epoch 679: val_loss did not improve from 0.45263  
11/11 [=====] - 0s 10ms/step - loss: 0.4864 - accuracy:  
0.7328 - val_loss: 0.4704 - val_accuracy: 0.7267 - lr: 0.0063  
Epoch 680/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5399 - accuracy: 0.5938  
Epoch 680: val_loss did not improve from 0.45263  
11/11 [=====] - 0s 8ms/step - loss: 0.4864 - accuracy: 0.  
7270 - val_loss: 0.4714 - val_accuracy: 0.7333 - lr: 0.0063  
Epoch 681/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4579 - accuracy: 0.7812  
Epoch 681: val_loss did not improve from 0.45263  
11/11 [=====] - 0s 8ms/step - loss: 0.4848 - accuracy: 0.  
7299 - val_loss: 0.4861 - val_accuracy: 0.7200 - lr: 0.0063  
Epoch 682/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4441 - accuracy: 0.7500  
Epoch 682: val_loss did not improve from 0.45263  
11/11 [=====] - 0s 9ms/step - loss: 0.4858 - accuracy: 0.  
7356 - val_loss: 0.4636 - val_accuracy: 0.7333 - lr: 0.0063
```

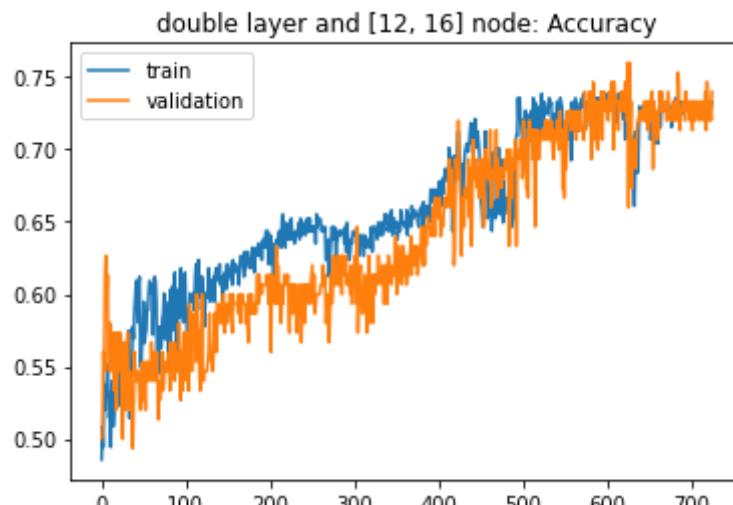
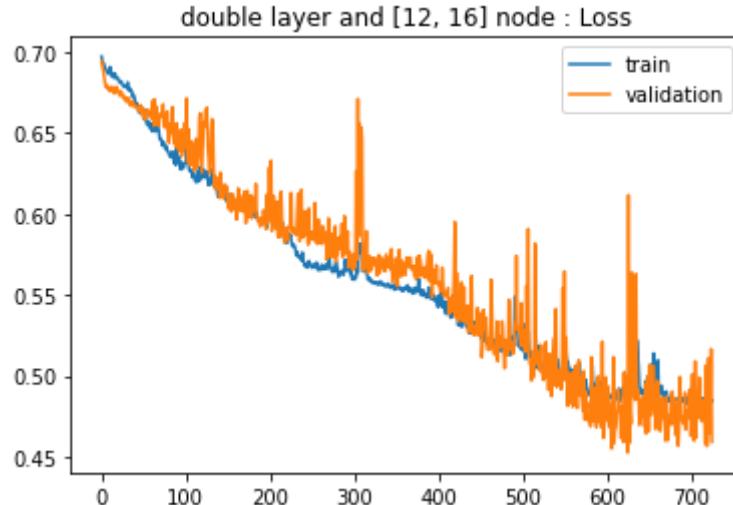
```
Epoch 683/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3445 - accuracy: 0.9375
Epoch 683: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4850 - accuracy: 0.
7299 - val_loss: 0.4824 - val_accuracy: 0.7267 - lr: 0.0063
Epoch 684/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5911 - accuracy: 0.5625
Epoch 684: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4851 - accuracy: 0.
7299 - val_loss: 0.4814 - val_accuracy: 0.7200 - lr: 0.0063
Epoch 685/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4881 - accuracy: 0.8125
Epoch 685: val_loss did not improve from 0.45263
11/11 [=====] - 0s 10ms/step - loss: 0.4851 - accuracy:
0.7299 - val_loss: 0.4569 - val_accuracy: 0.7533 - lr: 0.0063
Epoch 686/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4183 - accuracy: 0.8125
Epoch 686: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4869 - accuracy: 0.
7299 - val_loss: 0.4672 - val_accuracy: 0.7400 - lr: 0.0063
Epoch 687/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4879 - accuracy: 0.7812
Epoch 687: val_loss did not improve from 0.45263
11/11 [=====] - 0s 10ms/step - loss: 0.4842 - accuracy:
0.7299 - val_loss: 0.4995 - val_accuracy: 0.7133 - lr: 0.0063
Epoch 688/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4701 - accuracy: 0.6875
Epoch 688: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4843 - accuracy: 0.
7328 - val_loss: 0.4728 - val_accuracy: 0.7267 - lr: 0.0063
Epoch 689/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4715 - accuracy: 0.7500
Epoch 689: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4844 - accuracy: 0.
7270 - val_loss: 0.4747 - val_accuracy: 0.7267 - lr: 0.0063
Epoch 690/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4855 - accuracy: 0.7812
Epoch 690: val_loss did not improve from 0.45263
11/11 [=====] - 0s 8ms/step - loss: 0.4852 - accuracy: 0.
7328 - val_loss: 0.4748 - val_accuracy: 0.7267 - lr: 0.0063
Epoch 691/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5583 - accuracy: 0.6875
Epoch 691: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4849 - accuracy: 0.
7299 - val_loss: 0.4704 - val_accuracy: 0.7333 - lr: 0.0063
Epoch 692/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5603 - accuracy: 0.6875
Epoch 692: val_loss did not improve from 0.45263
11/11 [=====] - 0s 8ms/step - loss: 0.4866 - accuracy: 0.
7241 - val_loss: 0.4731 - val_accuracy: 0.7333 - lr: 0.0063
Epoch 693/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6699 - accuracy: 0.5625
Epoch 693: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4830 - accuracy: 0.
7270 - val_loss: 0.4897 - val_accuracy: 0.7200 - lr: 0.0063
Epoch 694/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5406 - accuracy: 0.6562
Epoch 694: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4824 - accuracy: 0.
7299 - val_loss: 0.4670 - val_accuracy: 0.7400 - lr: 0.0063
Epoch 695/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4285 - accuracy: 0.7812
Epoch 695: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4851 - accuracy: 0.
```

```
7328 - val_loss: 0.4791 - val_accuracy: 0.7267 - lr: 0.0063
Epoch 696/1000
11/11 [=====] - ETA: 0s - loss: 0.4868 - accuracy: 0.7299
Epoch 696: val_loss did not improve from 0.45263
11/11 [=====] - 0s 10ms/step - loss: 0.4868 - accuracy: 0.7299 - val_loss: 0.4734 - val_accuracy: 0.7333 - lr: 0.0063
Epoch 697/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4163 - accuracy: 0.7812
Epoch 697: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4870 - accuracy: 0.7270 - val_loss: 0.4788 - val_accuracy: 0.7333 - lr: 0.0063
Epoch 698/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5512 - accuracy: 0.7188
Epoch 698: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4881 - accuracy: 0.7270 - val_loss: 0.4752 - val_accuracy: 0.7333 - lr: 0.0063
Epoch 699/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5503 - accuracy: 0.6875
Epoch 699: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4845 - accuracy: 0.7299 - val_loss: 0.4915 - val_accuracy: 0.7200 - lr: 0.0063
Epoch 700/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4425 - accuracy: 0.8438
Epoch 700: val_loss did not improve from 0.45263
11/11 [=====] - 0s 7ms/step - loss: 0.4842 - accuracy: 0.7270 - val_loss: 0.4630 - val_accuracy: 0.7333 - lr: 0.0063
Epoch 701/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4608 - accuracy: 0.7188
Epoch 701: val_loss did not improve from 0.45263
11/11 [=====] - 0s 8ms/step - loss: 0.4836 - accuracy: 0.7328 - val_loss: 0.4837 - val_accuracy: 0.7267 - lr: 0.0063
Epoch 702/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4867 - accuracy: 0.7500
Epoch 702: val_loss did not improve from 0.45263
11/11 [=====] - 0s 8ms/step - loss: 0.4839 - accuracy: 0.7299 - val_loss: 0.5011 - val_accuracy: 0.7133 - lr: 0.0063
Epoch 703/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4537 - accuracy: 0.7812
Epoch 703: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4887 - accuracy: 0.7299 - val_loss: 0.4701 - val_accuracy: 0.7333 - lr: 0.0063
Epoch 704/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4752 - accuracy: 0.7188
Epoch 704: val_loss did not improve from 0.45263
11/11 [=====] - 0s 8ms/step - loss: 0.4924 - accuracy: 0.7270 - val_loss: 0.4599 - val_accuracy: 0.7333 - lr: 0.0063
Epoch 705/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4314 - accuracy: 0.8125
Epoch 705: val_loss did not improve from 0.45263
11/11 [=====] - 0s 10ms/step - loss: 0.4880 - accuracy: 0.7241 - val_loss: 0.5090 - val_accuracy: 0.7200 - lr: 0.0063
Epoch 706/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4589 - accuracy: 0.7500
Epoch 706: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4848 - accuracy: 0.7328 - val_loss: 0.4619 - val_accuracy: 0.7333 - lr: 0.0063
Epoch 707/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5469 - accuracy: 0.5938
Epoch 707: val_loss did not improve from 0.45263
11/11 [=====] - 0s 8ms/step - loss: 0.4862 - accuracy: 0.7299 - val_loss: 0.4896 - val_accuracy: 0.7267 - lr: 0.0063
Epoch 708/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5042 - accuracy: 0.7500
Epoch 708: val_loss did not improve from 0.45263
```

```
11/11 [=====] - 0s 9ms/step - loss: 0.4834 - accuracy: 0.  
7299 - val_loss: 0.4841 - val_accuracy: 0.7333 - lr: 0.0063  
Epoch 709/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5880 - accuracy: 0.6250  
Epoch 709: val_loss did not improve from 0.45263  
11/11 [=====] - 0s 9ms/step - loss: 0.4840 - accuracy: 0.  
7270 - val_loss: 0.4739 - val_accuracy: 0.7267 - lr: 0.0063  
Epoch 710/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5521 - accuracy: 0.6250  
Epoch 710: val_loss did not improve from 0.45263  
11/11 [=====] - 0s 9ms/step - loss: 0.4821 - accuracy: 0.  
7299 - val_loss: 0.4990 - val_accuracy: 0.7200 - lr: 0.0063  
Epoch 711/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4825 - accuracy: 0.6562  
Epoch 711: val_loss did not improve from 0.45263  
11/11 [=====] - 0s 9ms/step - loss: 0.4858 - accuracy: 0.  
7213 - val_loss: 0.4749 - val_accuracy: 0.7267 - lr: 0.0063  
Epoch 712/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4651 - accuracy: 0.7500  
Epoch 712: val_loss did not improve from 0.45263  
11/11 [=====] - 0s 9ms/step - loss: 0.4849 - accuracy: 0.  
7299 - val_loss: 0.4829 - val_accuracy: 0.7267 - lr: 0.0063  
Epoch 713/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4756 - accuracy: 0.7500  
Epoch 713: val_loss did not improve from 0.45263  
11/11 [=====] - 0s 9ms/step - loss: 0.4830 - accuracy: 0.  
7270 - val_loss: 0.4721 - val_accuracy: 0.7333 - lr: 0.0063  
Epoch 714/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5038 - accuracy: 0.7188  
Epoch 714: val_loss did not improve from 0.45263  
11/11 [=====] - 0s 9ms/step - loss: 0.4826 - accuracy: 0.  
7299 - val_loss: 0.4819 - val_accuracy: 0.7267 - lr: 0.0063  
Epoch 715/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5224 - accuracy: 0.6875  
Epoch 715: val_loss did not improve from 0.45263  
11/11 [=====] - 0s 13ms/step - loss: 0.4863 - accuracy:  
0.7270 - val_loss: 0.4850 - val_accuracy: 0.7200 - lr: 0.0063  
Epoch 716/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4901 - accuracy: 0.7500  
Epoch 716: val_loss did not improve from 0.45263  
11/11 [=====] - 0s 9ms/step - loss: 0.4860 - accuracy: 0.  
7299 - val_loss: 0.4820 - val_accuracy: 0.7267 - lr: 0.0063  
Epoch 717/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4691 - accuracy: 0.6250  
Epoch 717: val_loss did not improve from 0.45263  
11/11 [=====] - 0s 9ms/step - loss: 0.4869 - accuracy: 0.  
7270 - val_loss: 0.4582 - val_accuracy: 0.7400 - lr: 0.0063  
Epoch 718/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6159 - accuracy: 0.5938  
Epoch 718: val_loss did not improve from 0.45263  
11/11 [=====] - 0s 9ms/step - loss: 0.4845 - accuracy: 0.  
7299 - val_loss: 0.5063 - val_accuracy: 0.7133 - lr: 0.0063  
Epoch 719/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5800 - accuracy: 0.7188  
Epoch 719: val_loss did not improve from 0.45263  
11/11 [=====] - 0s 10ms/step - loss: 0.4865 - accuracy:  
0.7270 - val_loss: 0.4566 - val_accuracy: 0.7467 - lr: 0.0063  
Epoch 720/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5082 - accuracy: 0.6562  
Epoch 720: val_loss did not improve from 0.45263  
11/11 [=====] - 0s 9ms/step - loss: 0.4902 - accuracy: 0.  
7241 - val_loss: 0.4650 - val_accuracy: 0.7333 - lr: 0.0063  
Epoch 721/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4749 - accuracy: 0.8125
```

Epoch 721: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4914 - accuracy: 0.
7213 - val_loss: 0.5111 - val_accuracy: 0.7200 - lr: 0.0063
Epoch 722/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3730 - accuracy: 0.8438
Epoch 722: val_loss did not improve from 0.45263
11/11 [=====] - 0s 10ms/step - loss: 0.4884 - accuracy: 0.
0.7213 - val_loss: 0.4648 - val_accuracy: 0.7333 - lr: 0.0063
Epoch 723/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3820 - accuracy: 0.8438
Epoch 723: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4869 - accuracy: 0.
7241 - val_loss: 0.4747 - val_accuracy: 0.7267 - lr: 0.0063
Epoch 724/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4911 - accuracy: 0.7500
Epoch 724: val_loss did not improve from 0.45263
11/11 [=====] - 0s 9ms/step - loss: 0.4838 - accuracy: 0.
7299 - val_loss: 0.5166 - val_accuracy: 0.7200 - lr: 0.0063
Epoch 725/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4361 - accuracy: 0.7500
Epoch 725: val_loss did not improve from 0.45263

Epoch 725: ReduceLROnPlateau reducing learning rate to 0.004409999679774046.
11/11 [=====] - 0s 9ms/step - loss: 0.4848 - accuracy: 0.
7328 - val_loss: 0.4593 - val_accuracy: 0.7400 - lr: 0.0063
Epoch 725: early stopping
Final training loss for double layer and [12, 16] nodes: 0.4847733974456787
Final training accuracy for double layer and [12, 16] nodes 0.732758641242981
Final validation loss for double layer and [12, 16] nodes 0.4593091905117035
Final validation accuracy for double layer and [12, 16] nodes 0.7400000095367432



```
>>>>>>>>>>>>>>>> Model training with double hidden layer and [16, 4] node>>>>
>>>>>>>
```

Model: "sequential_45"

Layer (type)	Output Shape	Param #
<hr/>		
dense_123 (Dense)	(None, 16)	48
dense_124 (Dense)	(None, 4)	68
dense_125 (Dense)	(None, 1)	5
<hr/>		
Total params: 121		
Trainable params: 121		
Non-trainable params: 0		

None

Epoch 1/1000

```
1/11 [=>.....] - ETA: 7s - loss: 0.6999 - accuracy: 0.4375
Epoch 1: val_loss improved from inf to 0.69525, saving model to tmp/Weights-001--0.69525.hdf5
```

```
11/11 [=====] - 1s 37ms/step - loss: 0.6966 - accuracy: 0.4713 - val_loss: 0.6953 - val_accuracy: 0.4733 - lr: 0.0090
```

Epoch 2/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6949 - accuracy: 0.6250
Epoch 2: val_loss did not improve from 0.69525
```

```
11/11 [=====] - 0s 9ms/step - loss: 0.6959 - accuracy: 0.5086 - val_loss: 0.6955 - val_accuracy: 0.5067 - lr: 0.0090
```

Epoch 3/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6975 - accuracy: 0.3750
Epoch 3: val_loss improved from 0.69525 to 0.69516, saving model to tmp/Weights-003--0.69516.hdf5
```

```
11/11 [=====] - 0s 12ms/step - loss: 0.6959 - accuracy: 0.4971 - val_loss: 0.6952 - val_accuracy: 0.5333 - lr: 0.0090
```

Epoch 4/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6949 - accuracy: 0.4688
Epoch 4: val_loss improved from 0.69516 to 0.69468, saving model to tmp/Weights-004--0.69468.hdf5
```

```
11/11 [=====] - 0s 12ms/step - loss: 0.6953 - accuracy: 0.5029 - val_loss: 0.6947 - val_accuracy: 0.5200 - lr: 0.0090
```

Epoch 5/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6960 - accuracy: 0.4688
Epoch 5: val_loss improved from 0.69468 to 0.69426, saving model to tmp/Weights-005--0.69426.hdf5
```

```
11/11 [=====] - 0s 12ms/step - loss: 0.6948 - accuracy: 0.5460 - val_loss: 0.6943 - val_accuracy: 0.5267 - lr: 0.0090
```

Epoch 6/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6931 - accuracy: 0.6250
Epoch 6: val_loss improved from 0.69426 to 0.69391, saving model to tmp/Weights-006--0.69391.hdf5
```

```
11/11 [=====] - 0s 13ms/step - loss: 0.6945 - accuracy: 0.5144 - val_loss: 0.6939 - val_accuracy: 0.5333 - lr: 0.0090
```

Epoch 7/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6916 - accuracy: 0.5625
Epoch 7: val_loss improved from 0.69391 to 0.69345, saving model to tmp/Weights-007--0.69345.hdf5
```

```
11/11 [=====] - 0s 12ms/step - loss: 0.6940 - accuracy: 0.5057 - val_loss: 0.6935 - val_accuracy: 0.5600 - lr: 0.0090
```

Epoch 8/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6934 - accuracy: 0.5625
```

```
Epoch 8: val_loss improved from 0.69345 to 0.69285, saving model to tmp/Weights-00
8--0.69285.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6937 - accuracy: 0.5287
  - val_loss: 0.6929 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 9/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6934 - accuracy: 0.5000
Epoch 9: val_loss improved from 0.69285 to 0.69218, saving model to tmp/Weights-00
9--0.69218.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6934 - accuracy: 0.5259
  - val_loss: 0.6922 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 10/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6909 - accuracy: 0.7812
Epoch 10: val_loss improved from 0.69218 to 0.69108, saving model to tmp/Weights-0
10--0.69108.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6932 - accuracy: 0.5431
  - val_loss: 0.6911 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 11/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6919 - accuracy: 0.4688
Epoch 11: val_loss improved from 0.69108 to 0.68459, saving model to tmp/Weights-0
11--0.68459.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6920 - accuracy: 0.4943
  - val_loss: 0.6846 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 12/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6890 - accuracy: 0.5625
Epoch 12: val_loss did not improve from 0.68459
11/11 [=====] - 0s 8ms/step - loss: 0.6927 - accuracy: 0.4885
  - val_loss: 0.6849 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 13/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6865 - accuracy: 0.5625
Epoch 13: val_loss did not improve from 0.68459
11/11 [=====] - 0s 9ms/step - loss: 0.6902 - accuracy: 0.5431
  - val_loss: 0.6846 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 14/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.7034 - accuracy: 0.4062
Epoch 14: val_loss improved from 0.68459 to 0.68267, saving model to tmp/Weights-0
14--0.68267.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6896 - accuracy: 0.5057
  - val_loss: 0.6827 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 15/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6829 - accuracy: 0.5938
Epoch 15: val_loss did not improve from 0.68267
11/11 [=====] - 0s 9ms/step - loss: 0.6890 - accuracy: 0.5115
  - val_loss: 0.6840 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 16/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6577 - accuracy: 0.7812
Epoch 16: val_loss improved from 0.68267 to 0.67968, saving model to tmp/Weights-0
16--0.67968.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6879 - accuracy: 0.5259
  - val_loss: 0.6797 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 17/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6825 - accuracy: 0.5312
Epoch 17: val_loss did not improve from 0.67968
11/11 [=====] - 0s 8ms/step - loss: 0.6884 - accuracy: 0.5374
  - val_loss: 0.6804 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 18/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6760 - accuracy: 0.5312
Epoch 18: val_loss did not improve from 0.67968
11/11 [=====] - 0s 9ms/step - loss: 0.6876 - accuracy: 0.4971
  - val_loss: 0.6822 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 19/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6648 - accuracy: 0.6250
Epoch 19: val_loss did not improve from 0.67968
11/11 [=====] - 0s 9ms/step - loss: 0.6888 - accuracy: 0.5057
  - val_loss: 0.6818 - val_accuracy: 0.5600 - lr: 0.0090
```

```
Epoch 20/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6603 - accuracy: 0.6562
Epoch 20: val_loss did not improve from 0.67968
11/11 [=====] - 0s 9ms/step - loss: 0.6885 - accuracy: 0.
5172 - val_loss: 0.6811 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 21/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6881 - accuracy: 0.5312
Epoch 21: val_loss improved from 0.67968 to 0.67958, saving model to tmp/Weights-0
21--0.67958.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6873 - accuracy:
0.5517 - val_loss: 0.6796 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 22/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6934 - accuracy: 0.5000
Epoch 22: val_loss improved from 0.67958 to 0.67909, saving model to tmp/Weights-0
22--0.67909.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6856 - accuracy:
0.5431 - val_loss: 0.6791 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 23/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6723 - accuracy: 0.7188
Epoch 23: val_loss improved from 0.67909 to 0.67830, saving model to tmp/Weights-0
23--0.67830.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6851 - accuracy:
0.5833 - val_loss: 0.6783 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 24/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7035 - accuracy: 0.4062
Epoch 24: val_loss improved from 0.67830 to 0.67821, saving model to tmp/Weights-0
24--0.67821.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6849 - accuracy:
0.5431 - val_loss: 0.6782 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 25/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6851 - accuracy: 0.4062
Epoch 25: val_loss improved from 0.67821 to 0.67595, saving model to tmp/Weights-0
25--0.67595.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6853 - accuracy:
0.5661 - val_loss: 0.6759 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 26/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6987 - accuracy: 0.5312
Epoch 26: val_loss improved from 0.67595 to 0.67547, saving model to tmp/Weights-0
26--0.67547.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6834 - accuracy:
0.5632 - val_loss: 0.6755 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 27/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6573 - accuracy: 0.6875
Epoch 27: val_loss improved from 0.67547 to 0.67481, saving model to tmp/Weights-0
27--0.67481.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6829 - accuracy:
0.5747 - val_loss: 0.6748 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 28/1000
11/11 [=====] - ETA: 0s - loss: 0.6825 - accuracy: 0.5345
Epoch 28: val_loss improved from 0.67481 to 0.67412, saving model to tmp/Weights-0
28--0.67412.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6825 - accuracy:
0.5345 - val_loss: 0.6741 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 29/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6727 - accuracy: 0.6250
Epoch 29: val_loss improved from 0.67412 to 0.67261, saving model to tmp/Weights-0
29--0.67261.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6813 - accuracy:
0.5718 - val_loss: 0.6726 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 30/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6718 - accuracy: 0.6250
Epoch 30: val_loss improved from 0.67261 to 0.67245, saving model to tmp/Weights-0
30--0.67245.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6809 - accuracy:
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0.5460 - val_loss: 0.6725 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 31/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6571 - accuracy: 0.5625
Epoch 31: val_loss improved from 0.67245 to 0.67141, saving model to tmp/Weights-0
31--0.67141.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6808 - accuracy:
0.5374 - val_loss: 0.6714 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 32/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7158 - accuracy: 0.3125
Epoch 32: val_loss did not improve from 0.67141
11/11 [=====] - 0s 8ms/step - loss: 0.6811 - accuracy: 0.
5172 - val_loss: 0.6716 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 33/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7092 - accuracy: 0.3438
Epoch 33: val_loss improved from 0.67141 to 0.67132, saving model to tmp/Weights-0
33--0.67132.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6786 - accuracy:
0.5316 - val_loss: 0.6713 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 34/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6988 - accuracy: 0.5000
Epoch 34: val_loss improved from 0.67132 to 0.67034, saving model to tmp/Weights-0
34--0.67034.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6792 - accuracy:
0.5057 - val_loss: 0.6703 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 35/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6893 - accuracy: 0.4688
Epoch 35: val_loss improved from 0.67034 to 0.66860, saving model to tmp/Weights-0
35--0.66860.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6773 - accuracy:
0.5086 - val_loss: 0.6686 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 36/1000
11/11 [=====] - ETA: 0s - loss: 0.6799 - accuracy: 0.5115
Epoch 36: val_loss did not improve from 0.66860
11/11 [=====] - 0s 11ms/step - loss: 0.6799 - accuracy:
0.5115 - val_loss: 0.6706 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 37/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6803 - accuracy: 0.4375
Epoch 37: val_loss improved from 0.66860 to 0.66625, saving model to tmp/Weights-0
37--0.66625.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6758 - accuracy:
0.5115 - val_loss: 0.6662 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 38/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6348 - accuracy: 0.5938
Epoch 38: val_loss did not improve from 0.66625
11/11 [=====] - 0s 9ms/step - loss: 0.6745 - accuracy: 0.
5115 - val_loss: 0.6669 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 39/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6764 - accuracy: 0.5625
Epoch 39: val_loss improved from 0.66625 to 0.66429, saving model to tmp/Weights-0
39--0.66429.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6740 - accuracy:
0.5546 - val_loss: 0.6643 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 40/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7021 - accuracy: 0.3438
Epoch 40: val_loss improved from 0.66429 to 0.66395, saving model to tmp/Weights-0
40--0.66395.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6744 - accuracy:
0.5172 - val_loss: 0.6639 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 41/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6476 - accuracy: 0.5625
Epoch 41: val_loss improved from 0.66395 to 0.66378, saving model to tmp/Weights-0
41--0.66378.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6715 - accuracy:
0.5603 - val_loss: 0.6638 - val_accuracy: 0.5533 - lr: 0.0090
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Epoch 42/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6678 - accuracy: 0.6250
Epoch 42: val_loss did not improve from 0.66378
11/11 [=====] - 0s 9ms/step - loss: 0.6715 - accuracy: 0.
5201 - val_loss: 0.6661 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 43/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6666 - accuracy: 0.6250
Epoch 43: val_loss improved from 0.66378 to 0.66262, saving model to tmp/Weights-0
43--0.66262.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6709 - accuracy:
0.5201 - val_loss: 0.6626 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 44/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6163 - accuracy: 0.6562
Epoch 44: val_loss did not improve from 0.66262
11/11 [=====] - 0s 9ms/step - loss: 0.6687 - accuracy: 0.
5575 - val_loss: 0.6630 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 45/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6075 - accuracy: 0.6250
Epoch 45: val_loss improved from 0.66262 to 0.66238, saving model to tmp/Weights-0
45--0.66238.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6679 - accuracy:
0.5144 - val_loss: 0.6624 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 46/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6816 - accuracy: 0.5625
Epoch 46: val_loss did not improve from 0.66238
11/11 [=====] - 0s 8ms/step - loss: 0.6679 - accuracy: 0.
5230 - val_loss: 0.6625 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 47/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6539 - accuracy: 0.5000
Epoch 47: val_loss did not improve from 0.66238
11/11 [=====] - 0s 10ms/step - loss: 0.6693 - accuracy:
0.5460 - val_loss: 0.6636 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 48/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7493 - accuracy: 0.4688
Epoch 48: val_loss did not improve from 0.66238
11/11 [=====] - 0s 9ms/step - loss: 0.6695 - accuracy: 0.
5546 - val_loss: 0.6630 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 49/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6919 - accuracy: 0.4375
Epoch 49: val_loss improved from 0.66238 to 0.66155, saving model to tmp/Weights-0
49--0.66155.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6666 - accuracy:
0.5287 - val_loss: 0.6615 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 50/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6798 - accuracy: 0.4688
Epoch 50: val_loss did not improve from 0.66155
11/11 [=====] - 0s 9ms/step - loss: 0.6651 - accuracy: 0.
5374 - val_loss: 0.6617 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 51/1000
11/11 [=====] - ETA: 0s - loss: 0.6658 - accuracy: 0.5661
Epoch 51: val_loss did not improve from 0.66155
11/11 [=====] - 0s 10ms/step - loss: 0.6658 - accuracy:
0.5661 - val_loss: 0.6619 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 52/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6709 - accuracy: 0.5938
Epoch 52: val_loss improved from 0.66155 to 0.66072, saving model to tmp/Weights-0
52--0.66072.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6700 - accuracy:
0.5259 - val_loss: 0.6607 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 53/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6810 - accuracy: 0.3750
Epoch 53: val_loss did not improve from 0.66072
11/11 [=====] - 0s 9ms/step - loss: 0.6656 - accuracy: 0.
5718 - val_loss: 0.6614 - val_accuracy: 0.5467 - lr: 0.0090
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Epoch 54/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6532 - accuracy: 0.8125
Epoch 54: val_loss did not improve from 0.66072
11/11 [=====] - 0s 8ms/step - loss: 0.6644 - accuracy: 0.
5546 - val_loss: 0.6620 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 55/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6733 - accuracy: 0.4688
Epoch 55: val_loss did not improve from 0.66072
11/11 [=====] - 0s 8ms/step - loss: 0.6639 - accuracy: 0.
5747 - val_loss: 0.6628 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 56/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6961 - accuracy: 0.5312
Epoch 56: val_loss did not improve from 0.66072
11/11 [=====] - 0s 9ms/step - loss: 0.6629 - accuracy: 0.
5718 - val_loss: 0.6629 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 57/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6405 - accuracy: 0.5000
Epoch 57: val_loss did not improve from 0.66072
11/11 [=====] - 0s 9ms/step - loss: 0.6636 - accuracy: 0.
5891 - val_loss: 0.6621 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 58/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6690 - accuracy: 0.5312
Epoch 58: val_loss did not improve from 0.66072
11/11 [=====] - 0s 8ms/step - loss: 0.6590 - accuracy: 0.
5920 - val_loss: 0.6617 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 59/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6517 - accuracy: 0.4375
Epoch 59: val_loss did not improve from 0.66072
11/11 [=====] - 0s 9ms/step - loss: 0.6616 - accuracy: 0.
5661 - val_loss: 0.6617 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 60/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6696 - accuracy: 0.4375
Epoch 60: val_loss improved from 0.66072 to 0.65892, saving model to tmp/Weights-0
60--0.65892.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6600 - accuracy:
0.5948 - val_loss: 0.6589 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 61/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6533 - accuracy: 0.5625
Epoch 61: val_loss did not improve from 0.65892
11/11 [=====] - 0s 8ms/step - loss: 0.6577 - accuracy: 0.
6006 - val_loss: 0.6600 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 62/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6743 - accuracy: 0.6875
Epoch 62: val_loss did not improve from 0.65892
11/11 [=====] - 0s 8ms/step - loss: 0.6597 - accuracy: 0.
5517 - val_loss: 0.6596 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 63/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6862 - accuracy: 0.5000
Epoch 63: val_loss improved from 0.65892 to 0.65752, saving model to tmp/Weights-0
63--0.65752.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6587 - accuracy:
0.5891 - val_loss: 0.6575 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 64/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6249 - accuracy: 0.6250
Epoch 64: val_loss did not improve from 0.65752
11/11 [=====] - 0s 8ms/step - loss: 0.6536 - accuracy: 0.
5920 - val_loss: 0.6591 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 65/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6599 - accuracy: 0.4688
Epoch 65: val_loss did not improve from 0.65752
11/11 [=====] - 0s 9ms/step - loss: 0.6523 - accuracy: 0.
6063 - val_loss: 0.6579 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 66/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6814 - accuracy: 0.5625
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Epoch 66: val_loss did not improve from 0.65752
11/11 [=====] - 0s 9ms/step - loss: 0.6568 - accuracy: 0.
5862 - val_loss: 0.6600 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 67/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5647 - accuracy: 0.6875
Epoch 67: val_loss improved from 0.65752 to 0.65721, saving model to tmp/Weights-0
67--0.65721.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6534 - accuracy:
0.5833 - val_loss: 0.6572 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 68/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6572 - accuracy: 0.5312
Epoch 68: val_loss did not improve from 0.65721
11/11 [=====] - 0s 10ms/step - loss: 0.6517 - accuracy:
0.5632 - val_loss: 0.6643 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 69/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6363 - accuracy: 0.5625
Epoch 69: val_loss improved from 0.65721 to 0.65483, saving model to tmp/Weights-0
69--0.65483.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6514 - accuracy:
0.5862 - val_loss: 0.6548 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 70/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6670 - accuracy: 0.5312
Epoch 70: val_loss did not improve from 0.65483
11/11 [=====] - 0s 9ms/step - loss: 0.6499 - accuracy: 0.
5862 - val_loss: 0.6599 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 71/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6065 - accuracy: 0.5938
Epoch 71: val_loss did not improve from 0.65483
11/11 [=====] - 0s 10ms/step - loss: 0.6509 - accuracy:
0.5977 - val_loss: 0.6576 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 72/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6272 - accuracy: 0.5000
Epoch 72: val_loss did not improve from 0.65483
11/11 [=====] - 0s 9ms/step - loss: 0.6475 - accuracy: 0.
6063 - val_loss: 0.6564 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 73/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6486 - accuracy: 0.4375
Epoch 73: val_loss improved from 0.65483 to 0.64778, saving model to tmp/Weights-0
73--0.64778.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6468 - accuracy:
0.6092 - val_loss: 0.6478 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 74/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6340 - accuracy: 0.5000
Epoch 74: val_loss did not improve from 0.64778
11/11 [=====] - 0s 9ms/step - loss: 0.6493 - accuracy: 0.
5977 - val_loss: 0.6486 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 75/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5944 - accuracy: 0.6562
Epoch 75: val_loss did not improve from 0.64778
11/11 [=====] - 0s 9ms/step - loss: 0.6458 - accuracy: 0.
5747 - val_loss: 0.6481 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 76/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6430 - accuracy: 0.5312
Epoch 76: val_loss did not improve from 0.64778
11/11 [=====] - 0s 9ms/step - loss: 0.6463 - accuracy: 0.
5690 - val_loss: 0.6563 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 77/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6453 - accuracy: 0.6562
Epoch 77: val_loss improved from 0.64778 to 0.64752, saving model to tmp/Weights-0
77--0.64752.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6449 - accuracy:
0.5747 - val_loss: 0.6475 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 78/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7281 - accuracy: 0.3750
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Epoch 78: val_loss did not improve from 0.64752
11/11 [=====] - 0s 9ms/step - loss: 0.6431 - accuracy: 0.
5776 - val_loss: 0.6487 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 79/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7101 - accuracy: 0.4375
Epoch 79: val_loss did not improve from 0.64752
11/11 [=====] - 0s 8ms/step - loss: 0.6422 - accuracy: 0.
5891 - val_loss: 0.6482 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 80/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6148 - accuracy: 0.6875
Epoch 80: val_loss did not improve from 0.64752
11/11 [=====] - 0s 8ms/step - loss: 0.6401 - accuracy: 0.
6121 - val_loss: 0.6485 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 81/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6666 - accuracy: 0.5625
Epoch 81: val_loss improved from 0.64752 to 0.64663, saving model to tmp/Weights-0
81--0.64663.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6400 - accuracy: 0.
6121 - val_loss: 0.6466 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 82/1000
11/11 [=====] - ETA: 0s - loss: 0.6399 - accuracy: 0.5948
Epoch 82: val_loss improved from 0.64663 to 0.64461, saving model to tmp/Weights-0
82--0.64461.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6399 - accuracy: 0.
5948 - val_loss: 0.6446 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 83/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5611 - accuracy: 0.8125
Epoch 83: val_loss improved from 0.64461 to 0.64135, saving model to tmp/Weights-0
83--0.64135.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6391 - accuracy: 0.
6034 - val_loss: 0.6414 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 84/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6449 - accuracy: 0.5000
Epoch 84: val_loss did not improve from 0.64135
11/11 [=====] - 0s 9ms/step - loss: 0.6405 - accuracy: 0.
5977 - val_loss: 0.6525 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 85/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6319 - accuracy: 0.5938
Epoch 85: val_loss did not improve from 0.64135
11/11 [=====] - 0s 11ms/step - loss: 0.6418 - accuracy: 0.
5891 - val_loss: 0.6461 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 86/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6151 - accuracy: 0.5312
Epoch 86: val_loss improved from 0.64135 to 0.64124, saving model to tmp/Weights-0
86--0.64124.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6383 - accuracy: 0.
5977 - val_loss: 0.6412 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 87/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6065 - accuracy: 0.6250
Epoch 87: val_loss did not improve from 0.64124
11/11 [=====] - 0s 10ms/step - loss: 0.6388 - accuracy: 0.
6063 - val_loss: 0.6544 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 88/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6079 - accuracy: 0.6875
Epoch 88: val_loss improved from 0.64124 to 0.63759, saving model to tmp/Weights-0
88--0.63759.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6387 - accuracy: 0.
5920 - val_loss: 0.6376 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 89/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6912 - accuracy: 0.5312
Epoch 89: val_loss did not improve from 0.63759
11/11 [=====] - 0s 9ms/step - loss: 0.6398 - accuracy: 0.
5460 - val_loss: 0.6478 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 90/1000
```

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1/11 [=>.....] - ETA: 0s - loss: 0.6011 - accuracy: 0.7188
Epoch 90: val_loss did not improve from 0.63759
11/11 [=====] - 0s 9ms/step - loss: 0.6409 - accuracy: 0.
5546 - val_loss: 0.6485 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 91/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5836 - accuracy: 0.7188
Epoch 91: val_loss did not improve from 0.63759
11/11 [=====] - 0s 10ms/step - loss: 0.6345 - accuracy:
0.5776 - val_loss: 0.6409 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 92/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6379 - accuracy: 0.5938
Epoch 92: val_loss did not improve from 0.63759
11/11 [=====] - 0s 9ms/step - loss: 0.6358 - accuracy: 0.
6063 - val_loss: 0.6408 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 93/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6744 - accuracy: 0.6562
Epoch 93: val_loss did not improve from 0.63759
11/11 [=====] - 0s 9ms/step - loss: 0.6356 - accuracy: 0.
5718 - val_loss: 0.6440 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 94/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6435 - accuracy: 0.4375
Epoch 94: val_loss did not improve from 0.63759
11/11 [=====] - 0s 10ms/step - loss: 0.6347 - accuracy:
0.6063 - val_loss: 0.6487 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 95/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6378 - accuracy: 0.6562
Epoch 95: val_loss did not improve from 0.63759
11/11 [=====] - 0s 9ms/step - loss: 0.6327 - accuracy: 0.
6034 - val_loss: 0.6458 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 96/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6061 - accuracy: 0.6875
Epoch 96: val_loss did not improve from 0.63759
11/11 [=====] - 0s 8ms/step - loss: 0.6337 - accuracy: 0.
6006 - val_loss: 0.6419 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 97/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6855 - accuracy: 0.5312
Epoch 97: val_loss did not improve from 0.63759
11/11 [=====] - 0s 7ms/step - loss: 0.6321 - accuracy: 0.
5862 - val_loss: 0.6495 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 98/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6761 - accuracy: 0.5000
Epoch 98: val_loss did not improve from 0.63759
11/11 [=====] - 0s 9ms/step - loss: 0.6312 - accuracy: 0.
6006 - val_loss: 0.6414 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 99/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6250 - accuracy: 0.6562
Epoch 99: val_loss did not improve from 0.63759
11/11 [=====] - 0s 9ms/step - loss: 0.6374 - accuracy: 0.
5747 - val_loss: 0.6560 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 100/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6601 - accuracy: 0.5000
Epoch 100: val_loss did not improve from 0.63759
11/11 [=====] - 0s 9ms/step - loss: 0.6343 - accuracy: 0.
5920 - val_loss: 0.6469 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 101/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5909 - accuracy: 0.6562
Epoch 101: val_loss did not improve from 0.63759
11/11 [=====] - 0s 10ms/step - loss: 0.6302 - accuracy:
0.5747 - val_loss: 0.6441 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 102/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6373 - accuracy: 0.6562
Epoch 102: val_loss did not improve from 0.63759
11/11 [=====] - 0s 9ms/step - loss: 0.6331 - accuracy: 0.
5948 - val_loss: 0.6493 - val_accuracy: 0.5667 - lr: 0.0090
```

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Epoch 103/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6625 - accuracy: 0.5312
Epoch 103: val_loss improved from 0.63759 to 0.63268, saving model to tmp/Weights-103--0.63268.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6326 - accuracy: 0.5805 - val_loss: 0.6327 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 104/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5942 - accuracy: 0.6250
Epoch 104: val_loss did not improve from 0.63268
11/11 [=====] - 0s 9ms/step - loss: 0.6297 - accuracy: 0.6063 - val_loss: 0.6425 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 105/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5974 - accuracy: 0.6875
Epoch 105: val_loss did not improve from 0.63268
11/11 [=====] - 0s 9ms/step - loss: 0.6272 - accuracy: 0.5862 - val_loss: 0.6509 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 106/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6369 - accuracy: 0.6562
Epoch 106: val_loss did not improve from 0.63268
11/11 [=====] - 0s 9ms/step - loss: 0.6313 - accuracy: 0.6063 - val_loss: 0.6376 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 107/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6001 - accuracy: 0.6250
Epoch 107: val_loss did not improve from 0.63268
11/11 [=====] - 0s 9ms/step - loss: 0.6293 - accuracy: 0.6178 - val_loss: 0.6445 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 108/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5590 - accuracy: 0.5938
Epoch 108: val_loss did not improve from 0.63268
11/11 [=====] - 0s 9ms/step - loss: 0.6248 - accuracy: 0.6121 - val_loss: 0.6416 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 109/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6598 - accuracy: 0.6875
Epoch 109: val_loss did not improve from 0.63268
11/11 [=====] - 0s 8ms/step - loss: 0.6289 - accuracy: 0.5920 - val_loss: 0.6511 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 110/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6061 - accuracy: 0.5938
Epoch 110: val_loss did not improve from 0.63268
11/11 [=====] - 0s 9ms/step - loss: 0.6276 - accuracy: 0.6034 - val_loss: 0.6348 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 111/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6148 - accuracy: 0.6562
Epoch 111: val_loss did not improve from 0.63268
11/11 [=====] - 0s 9ms/step - loss: 0.6285 - accuracy: 0.5805 - val_loss: 0.6419 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 112/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6431 - accuracy: 0.6250
Epoch 112: val_loss did not improve from 0.63268
11/11 [=====] - 0s 8ms/step - loss: 0.6263 - accuracy: 0.6178 - val_loss: 0.6426 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 113/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6713 - accuracy: 0.5625
Epoch 113: val_loss did not improve from 0.63268
11/11 [=====] - 0s 8ms/step - loss: 0.6258 - accuracy: 0.5977 - val_loss: 0.6497 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 114/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6349 - accuracy: 0.5312
Epoch 114: val_loss did not improve from 0.63268
11/11 [=====] - 0s 8ms/step - loss: 0.6234 - accuracy: 0.6063 - val_loss: 0.6411 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 115/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6396 - accuracy: 0.6875
Epoch 115: val_loss did not improve from 0.63268
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11/11 [=====] - 0s 8ms/step - loss: 0.6237 - accuracy: 0.6092 - val_loss: 0.6420 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 116/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6584 - accuracy: 0.6562
Epoch 116: val_loss did not improve from 0.63268
11/11 [=====] - 0s 8ms/step - loss: 0.6220 - accuracy: 0.6207 - val_loss: 0.6411 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 117/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6384 - accuracy: 0.4375
Epoch 117: val_loss did not improve from 0.63268
11/11 [=====] - 0s 9ms/step - loss: 0.6263 - accuracy: 0.5977 - val_loss: 0.6393 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 118/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5470 - accuracy: 0.7188
Epoch 118: val_loss did not improve from 0.63268
11/11 [=====] - 0s 8ms/step - loss: 0.6235 - accuracy: 0.6178 - val_loss: 0.6420 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 119/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6045 - accuracy: 0.6562
Epoch 119: val_loss did not improve from 0.63268
11/11 [=====] - 0s 8ms/step - loss: 0.6226 - accuracy: 0.6207 - val_loss: 0.6449 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 120/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6102 - accuracy: 0.6562
Epoch 120: val_loss did not improve from 0.63268
11/11 [=====] - 0s 8ms/step - loss: 0.6219 - accuracy: 0.6121 - val_loss: 0.6356 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 121/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6389 - accuracy: 0.6250
Epoch 121: val_loss did not improve from 0.63268
11/11 [=====] - 0s 8ms/step - loss: 0.6219 - accuracy: 0.6034 - val_loss: 0.6445 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 122/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5595 - accuracy: 0.6875
Epoch 122: val_loss did not improve from 0.63268
11/11 [=====] - 0s 9ms/step - loss: 0.6291 - accuracy: 0.6063 - val_loss: 0.6465 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 123/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6755 - accuracy: 0.6250
Epoch 123: val_loss did not improve from 0.63268
11/11 [=====] - 0s 8ms/step - loss: 0.6205 - accuracy: 0.6121 - val_loss: 0.6361 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 124/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5903 - accuracy: 0.6562
Epoch 124: val_loss did not improve from 0.63268
11/11 [=====] - 0s 8ms/step - loss: 0.6207 - accuracy: 0.6207 - val_loss: 0.6445 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 125/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6035 - accuracy: 0.6250
Epoch 125: val_loss did not improve from 0.63268
11/11 [=====] - 0s 8ms/step - loss: 0.6191 - accuracy: 0.6236 - val_loss: 0.6366 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 126/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6459 - accuracy: 0.5625
Epoch 126: val_loss did not improve from 0.63268
11/11 [=====] - 0s 9ms/step - loss: 0.6207 - accuracy: 0.6178 - val_loss: 0.6452 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 127/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6189 - accuracy: 0.6562
Epoch 127: val_loss did not improve from 0.63268
11/11 [=====] - 0s 9ms/step - loss: 0.6216 - accuracy: 0.6178 - val_loss: 0.6359 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 128/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6206 - accuracy: 0.6187
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Epoch 128: val_loss did not improve from 0.63268
11/11 [=====] - 0s 11ms/step - loss: 0.6201 - accuracy: 0.6207 - val_loss: 0.6347 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 129/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6194 - accuracy: 0.5938
Epoch 129: val_loss improved from 0.63268 to 0.63189, saving model to tmp/Weights-129--0.63189.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6211 - accuracy: 0.6121 - val_loss: 0.6319 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 130/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5878 - accuracy: 0.5938
Epoch 130: val_loss did not improve from 0.63189
11/11 [=====] - 0s 9ms/step - loss: 0.6198 - accuracy: 0.6207 - val_loss: 0.6369 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 131/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6680 - accuracy: 0.6250
Epoch 131: val_loss did not improve from 0.63189
11/11 [=====] - 0s 10ms/step - loss: 0.6209 - accuracy: 0.6092 - val_loss: 0.6339 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 132/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5748 - accuracy: 0.6562
Epoch 132: val_loss did not improve from 0.63189
11/11 [=====] - 0s 10ms/step - loss: 0.6194 - accuracy: 0.6121 - val_loss: 0.6365 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 133/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6705 - accuracy: 0.5625
Epoch 133: val_loss did not improve from 0.63189
11/11 [=====] - 0s 9ms/step - loss: 0.6180 - accuracy: 0.6149 - val_loss: 0.6342 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 134/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6409 - accuracy: 0.5312
Epoch 134: val_loss did not improve from 0.63189
11/11 [=====] - 0s 9ms/step - loss: 0.6183 - accuracy: 0.6178 - val_loss: 0.6348 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 135/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5948 - accuracy: 0.5938
Epoch 135: val_loss did not improve from 0.63189
11/11 [=====] - 0s 10ms/step - loss: 0.6215 - accuracy: 0.5948 - val_loss: 0.6354 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 136/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5870 - accuracy: 0.6250
Epoch 136: val_loss did not improve from 0.63189
11/11 [=====] - 0s 9ms/step - loss: 0.6218 - accuracy: 0.6178 - val_loss: 0.6399 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 137/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6433 - accuracy: 0.5625
Epoch 137: val_loss improved from 0.63189 to 0.62787, saving model to tmp/Weights-137--0.62787.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6205 - accuracy: 0.6034 - val_loss: 0.6279 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 138/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6349 - accuracy: 0.6250
Epoch 138: val_loss improved from 0.62787 to 0.62529, saving model to tmp/Weights-138--0.62529.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6174 - accuracy: 0.6149 - val_loss: 0.6253 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 139/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6246 - accuracy: 0.5625
Epoch 139: val_loss did not improve from 0.62529
11/11 [=====] - 0s 9ms/step - loss: 0.6168 - accuracy: 0.6178 - val_loss: 0.6368 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 140/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6064 - accuracy: 0.5938
Epoch 140: val_loss did not improve from 0.62529
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11/11 [=====] - 0s 9ms/step - loss: 0.6184 - accuracy: 0.6034 - val_loss: 0.6347 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 141/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6184 - accuracy: 0.6875
Epoch 141: val_loss improved from 0.62529 to 0.62156, saving model to tmp/Weights-141--0.62156.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6196 - accuracy: 0.6149 - val_loss: 0.6216 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 142/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5630 - accuracy: 0.7188
Epoch 142: val_loss did not improve from 0.62156
11/11 [=====] - 0s 9ms/step - loss: 0.6200 - accuracy: 0.5977 - val_loss: 0.6301 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 143/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6135 - accuracy: 0.6250
Epoch 143: val_loss did not improve from 0.62156
11/11 [=====] - 0s 9ms/step - loss: 0.6178 - accuracy: 0.6092 - val_loss: 0.6340 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 144/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5942 - accuracy: 0.6562
Epoch 144: val_loss did not improve from 0.62156
11/11 [=====] - 0s 10ms/step - loss: 0.6187 - accuracy: 0.6092 - val_loss: 0.6296 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 145/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5746 - accuracy: 0.7500
Epoch 145: val_loss did not improve from 0.62156
11/11 [=====] - 0s 9ms/step - loss: 0.6173 - accuracy: 0.6236 - val_loss: 0.6347 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 146/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6146 - accuracy: 0.7188
Epoch 146: val_loss did not improve from 0.62156
11/11 [=====] - 0s 9ms/step - loss: 0.6217 - accuracy: 0.6006 - val_loss: 0.6269 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 147/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5891 - accuracy: 0.5938
Epoch 147: val_loss did not improve from 0.62156
11/11 [=====] - 0s 13ms/step - loss: 0.6146 - accuracy: 0.6178 - val_loss: 0.6269 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 148/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6373 - accuracy: 0.5938
Epoch 148: val_loss did not improve from 0.62156
11/11 [=====] - 0s 9ms/step - loss: 0.6158 - accuracy: 0.6207 - val_loss: 0.6372 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 149/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6581 - accuracy: 0.6875
Epoch 149: val_loss did not improve from 0.62156
11/11 [=====] - 0s 9ms/step - loss: 0.6223 - accuracy: 0.5891 - val_loss: 0.6310 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 150/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5838 - accuracy: 0.5938
Epoch 150: val_loss did not improve from 0.62156
11/11 [=====] - 0s 9ms/step - loss: 0.6167 - accuracy: 0.6207 - val_loss: 0.6311 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 151/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5752 - accuracy: 0.6875
Epoch 151: val_loss did not improve from 0.62156
11/11 [=====] - 0s 9ms/step - loss: 0.6140 - accuracy: 0.6178 - val_loss: 0.6278 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 152/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6401 - accuracy: 0.4375
Epoch 152: val_loss did not improve from 0.62156
11/11 [=====] - 0s 10ms/step - loss: 0.6154 - accuracy: 0.6063 - val_loss: 0.6280 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 153/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6019 - accuracy: 0.6875
Epoch 153: val_loss did not improve from 0.62156
11/11 [=====] - 0s 10ms/step - loss: 0.6153 - accuracy: 0.6236 - val_loss: 0.6271 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 154/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5994 - accuracy: 0.7188
Epoch 154: val_loss did not improve from 0.62156
11/11 [=====] - 0s 9ms/step - loss: 0.6151 - accuracy: 0.6149 - val_loss: 0.6317 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 155/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6403 - accuracy: 0.6250
Epoch 155: val_loss did not improve from 0.62156
11/11 [=====] - 0s 9ms/step - loss: 0.6140 - accuracy: 0.6178 - val_loss: 0.6236 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 156/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6358 - accuracy: 0.6250
Epoch 156: val_loss did not improve from 0.62156
11/11 [=====] - 0s 9ms/step - loss: 0.6172 - accuracy: 0.6063 - val_loss: 0.6302 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 157/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6081 - accuracy: 0.5625
Epoch 157: val_loss did not improve from 0.62156
11/11 [=====] - 0s 9ms/step - loss: 0.6133 - accuracy: 0.6207 - val_loss: 0.6290 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 158/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5862 - accuracy: 0.6250
Epoch 158: val_loss did not improve from 0.62156
11/11 [=====] - 0s 9ms/step - loss: 0.6141 - accuracy: 0.6264 - val_loss: 0.6264 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 159/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6561 - accuracy: 0.5312
Epoch 159: val_loss did not improve from 0.62156
11/11 [=====] - 0s 9ms/step - loss: 0.6145 - accuracy: 0.5977 - val_loss: 0.6228 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 160/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5250 - accuracy: 0.7812
Epoch 160: val_loss did not improve from 0.62156
11/11 [=====] - 0s 10ms/step - loss: 0.6144 - accuracy: 0.6264 - val_loss: 0.6334 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 161/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6103 - accuracy: 0.6406
Epoch 161: val_loss did not improve from 0.62156
11/11 [=====] - 0s 11ms/step - loss: 0.6142 - accuracy: 0.6207 - val_loss: 0.6218 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 162/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5893 - accuracy: 0.7188
Epoch 162: val_loss did not improve from 0.62156
11/11 [=====] - 0s 9ms/step - loss: 0.6131 - accuracy: 0.6092 - val_loss: 0.6225 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 163/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5783 - accuracy: 0.6562
Epoch 163: val_loss did not improve from 0.62156
11/11 [=====] - 0s 10ms/step - loss: 0.6156 - accuracy: 0.6092 - val_loss: 0.6323 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 164/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6156 - accuracy: 0.7188
Epoch 164: val_loss did not improve from 0.62156
11/11 [=====] - 0s 9ms/step - loss: 0.6193 - accuracy: 0.6207 - val_loss: 0.6324 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 165/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5939 - accuracy: 0.5938
Epoch 165: val_loss did not improve from 0.62156
11/11 [=====] - 0s 8ms/step - loss: 0.6183 - accuracy: 0.6034 - val_loss: 0.6217 - val_accuracy: 0.5800 - lr: 0.0090
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Epoch 166/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6031 - accuracy: 0.6250
Epoch 166: val_loss did not improve from 0.62156
11/11 [=====] - 0s 9ms/step - loss: 0.6153 - accuracy: 0.
6236 - val_loss: 0.6381 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 167/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6238 - accuracy: 0.6562
Epoch 167: val_loss did not improve from 0.62156
11/11 [=====] - 0s 8ms/step - loss: 0.6140 - accuracy: 0.
6006 - val_loss: 0.6271 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 168/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5881 - accuracy: 0.6875
Epoch 168: val_loss improved from 0.62156 to 0.62031, saving model to tmp/Weights-
168--0.62031.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6139 - accuracy:
0.6236 - val_loss: 0.6203 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 169/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6194 - accuracy: 0.6562
Epoch 169: val_loss did not improve from 0.62031
11/11 [=====] - 0s 9ms/step - loss: 0.6109 - accuracy: 0.
6121 - val_loss: 0.6216 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 170/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6583 - accuracy: 0.6250
Epoch 170: val_loss did not improve from 0.62031
11/11 [=====] - 0s 9ms/step - loss: 0.6093 - accuracy: 0.
6236 - val_loss: 0.6237 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 171/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5371 - accuracy: 0.6875
Epoch 171: val_loss did not improve from 0.62031
11/11 [=====] - 0s 9ms/step - loss: 0.6125 - accuracy: 0.
6264 - val_loss: 0.6266 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 172/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6248 - accuracy: 0.5625
Epoch 172: val_loss improved from 0.62031 to 0.61255, saving model to tmp/Weights-
172--0.61255.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6106 - accuracy:
0.6178 - val_loss: 0.6126 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 173/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5777 - accuracy: 0.6250
Epoch 173: val_loss did not improve from 0.61255
11/11 [=====] - 0s 10ms/step - loss: 0.6088 - accuracy:
0.6178 - val_loss: 0.6179 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 174/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6475 - accuracy: 0.6875
Epoch 174: val_loss did not improve from 0.61255
11/11 [=====] - 0s 10ms/step - loss: 0.6097 - accuracy:
0.6264 - val_loss: 0.6226 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 175/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6104 - accuracy: 0.4688
Epoch 175: val_loss did not improve from 0.61255
11/11 [=====] - 0s 9ms/step - loss: 0.6079 - accuracy: 0.
6207 - val_loss: 0.6247 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 176/1000
11/11 [=====] - ETA: 0s - loss: 0.6081 - accuracy: 0.6293
Epoch 176: val_loss did not improve from 0.61255
11/11 [=====] - 0s 11ms/step - loss: 0.6081 - accuracy:
0.6293 - val_loss: 0.6214 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 177/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6366 - accuracy: 0.5625
Epoch 177: val_loss did not improve from 0.61255
11/11 [=====] - 0s 9ms/step - loss: 0.6122 - accuracy: 0.
6178 - val_loss: 0.6282 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 178/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4974 - accuracy: 0.6562
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Epoch 178: val_loss did not improve from 0.61255
11/11 [=====] - 0s 8ms/step - loss: 0.6115 - accuracy: 0.
6063 - val_loss: 0.6224 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 179/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6600 - accuracy: 0.5312
Epoch 179: val_loss did not improve from 0.61255
11/11 [=====] - 0s 9ms/step - loss: 0.6104 - accuracy: 0.
6293 - val_loss: 0.6273 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 180/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5870 - accuracy: 0.6562
Epoch 180: val_loss did not improve from 0.61255
11/11 [=====] - 0s 10ms/step - loss: 0.6140 - accuracy:
0.6034 - val_loss: 0.6260 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 181/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6663 - accuracy: 0.7188
Epoch 181: val_loss did not improve from 0.61255
11/11 [=====] - 0s 13ms/step - loss: 0.6144 - accuracy:
0.6264 - val_loss: 0.6277 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 182/1000
11/11 [=====] - ETA: 0s - loss: 0.6083 - accuracy: 0.6149
Epoch 182: val_loss did not improve from 0.61255
11/11 [=====] - 0s 13ms/step - loss: 0.6083 - accuracy:
0.6149 - val_loss: 0.6205 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 183/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6918 - accuracy: 0.5000
Epoch 183: val_loss did not improve from 0.61255
11/11 [=====] - 0s 10ms/step - loss: 0.6082 - accuracy:
0.6236 - val_loss: 0.6268 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 184/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6528 - accuracy: 0.5938
Epoch 184: val_loss did not improve from 0.61255
11/11 [=====] - 0s 9ms/step - loss: 0.6065 - accuracy: 0.
6322 - val_loss: 0.6221 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 185/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6326 - accuracy: 0.5312
Epoch 185: val_loss did not improve from 0.61255
11/11 [=====] - 0s 9ms/step - loss: 0.6096 - accuracy: 0.
6092 - val_loss: 0.6238 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 186/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6266 - accuracy: 0.5312
Epoch 186: val_loss did not improve from 0.61255
11/11 [=====] - 0s 8ms/step - loss: 0.6070 - accuracy: 0.
6293 - val_loss: 0.6180 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 187/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5879 - accuracy: 0.6875
Epoch 187: val_loss did not improve from 0.61255
11/11 [=====] - 0s 9ms/step - loss: 0.6076 - accuracy: 0.
6236 - val_loss: 0.6195 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 188/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6028 - accuracy: 0.5938
Epoch 188: val_loss did not improve from 0.61255
11/11 [=====] - 0s 9ms/step - loss: 0.6055 - accuracy: 0.
6322 - val_loss: 0.6205 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 189/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5284 - accuracy: 0.7188
Epoch 189: val_loss did not improve from 0.61255
11/11 [=====] - 0s 9ms/step - loss: 0.6052 - accuracy: 0.
6322 - val_loss: 0.6178 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 190/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5789 - accuracy: 0.6875
Epoch 190: val_loss did not improve from 0.61255
11/11 [=====] - 0s 8ms/step - loss: 0.6080 - accuracy: 0.
6063 - val_loss: 0.6257 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 191/1000
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11/11 [=====] - ETA: 0s - loss: 0.6090 - accuracy: 0.6293
Epoch 191: val_loss did not improve from 0.61255
11/11 [=====] - 0s 11ms/step - loss: 0.6090 - accuracy: 0.6293 - val_loss: 0.6136 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 192/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5228 - accuracy: 0.7812
Epoch 192: val_loss did not improve from 0.61255
11/11 [=====] - 0s 9ms/step - loss: 0.6103 - accuracy: 0.5977 - val_loss: 0.6212 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 193/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6500 - accuracy: 0.4688
Epoch 193: val_loss did not improve from 0.61255
11/11 [=====] - 0s 9ms/step - loss: 0.6108 - accuracy: 0.6351 - val_loss: 0.6292 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 194/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6680 - accuracy: 0.5938
Epoch 194: val_loss improved from 0.61255 to 0.61215, saving model to tmp/Weights-194--0.61215.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6050 - accuracy: 0.6236 - val_loss: 0.6122 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 195/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6171 - accuracy: 0.5938
Epoch 195: val_loss did not improve from 0.61215
11/11 [=====] - 0s 8ms/step - loss: 0.6030 - accuracy: 0.6293 - val_loss: 0.6144 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 196/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6602 - accuracy: 0.4688
Epoch 196: val_loss did not improve from 0.61215
11/11 [=====] - 0s 8ms/step - loss: 0.6024 - accuracy: 0.6379 - val_loss: 0.6176 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 197/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6368 - accuracy: 0.5625
Epoch 197: val_loss did not improve from 0.61215
11/11 [=====] - 0s 9ms/step - loss: 0.6031 - accuracy: 0.6293 - val_loss: 0.6387 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 198/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5725 - accuracy: 0.5938
Epoch 198: val_loss did not improve from 0.61215
11/11 [=====] - 0s 9ms/step - loss: 0.6046 - accuracy: 0.6293 - val_loss: 0.6211 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 199/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6398 - accuracy: 0.5938
Epoch 199: val_loss did not improve from 0.61215
11/11 [=====] - 0s 10ms/step - loss: 0.6051 - accuracy: 0.6264 - val_loss: 0.6163 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 200/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5878 - accuracy: 0.5938
Epoch 200: val_loss did not improve from 0.61215
11/11 [=====] - 0s 9ms/step - loss: 0.6066 - accuracy: 0.6149 - val_loss: 0.6136 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 201/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5746 - accuracy: 0.6562
Epoch 201: val_loss did not improve from 0.61215
11/11 [=====] - 0s 9ms/step - loss: 0.6073 - accuracy: 0.6437 - val_loss: 0.6161 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 202/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6329 - accuracy: 0.5625
Epoch 202: val_loss did not improve from 0.61215
11/11 [=====] - 0s 9ms/step - loss: 0.6014 - accuracy: 0.6264 - val_loss: 0.6288 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 203/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5894 - accuracy: 0.6875
Epoch 203: val_loss did not improve from 0.61215
11/11 [=====] - 0s 9ms/step - loss: 0.6031 - accuracy: 0.
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6351 - val_loss: 0.6190 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 204/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6072 - accuracy: 0.6875
Epoch 204: val_loss did not improve from 0.61215
11/11 [=====] - 0s 10ms/step - loss: 0.6040 - accuracy: 0.6322 - val_loss: 0.6263 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 205/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5877 - accuracy: 0.6875
Epoch 205: val_loss improved from 0.61215 to 0.60996, saving model to tmp/Weights-205--0.60996.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5970 - accuracy: 0.6408 - val_loss: 0.6100 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 206/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5330 - accuracy: 0.7812
Epoch 206: val_loss improved from 0.60996 to 0.60362, saving model to tmp/Weights-206--0.60362.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5925 - accuracy: 0.6408 - val_loss: 0.6036 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 207/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6594 - accuracy: 0.5312
Epoch 207: val_loss did not improve from 0.60362
11/11 [=====] - 0s 9ms/step - loss: 0.5918 - accuracy: 0.6437 - val_loss: 0.6106 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 208/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6026 - accuracy: 0.6250
Epoch 208: val_loss did not improve from 0.60362
11/11 [=====] - 0s 9ms/step - loss: 0.5888 - accuracy: 0.6466 - val_loss: 0.6181 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 209/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6310 - accuracy: 0.6875
Epoch 209: val_loss did not improve from 0.60362
11/11 [=====] - 0s 9ms/step - loss: 0.5914 - accuracy: 0.6523 - val_loss: 0.6224 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 210/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6029 - accuracy: 0.6562
Epoch 210: val_loss did not improve from 0.60362
11/11 [=====] - 0s 9ms/step - loss: 0.5884 - accuracy: 0.6494 - val_loss: 0.6080 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 211/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5723 - accuracy: 0.8125
Epoch 211: val_loss did not improve from 0.60362
11/11 [=====] - 0s 8ms/step - loss: 0.5878 - accuracy: 0.6466 - val_loss: 0.6163 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 212/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5991 - accuracy: 0.6875
Epoch 212: val_loss did not improve from 0.60362
11/11 [=====] - 0s 10ms/step - loss: 0.5882 - accuracy: 0.6523 - val_loss: 0.6218 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 213/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6752 - accuracy: 0.5000
Epoch 213: val_loss did not improve from 0.60362
11/11 [=====] - 0s 9ms/step - loss: 0.5894 - accuracy: 0.6408 - val_loss: 0.6048 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 214/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5292 - accuracy: 0.7188
Epoch 214: val_loss did not improve from 0.60362
11/11 [=====] - 0s 9ms/step - loss: 0.5892 - accuracy: 0.6408 - val_loss: 0.6333 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 215/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5668 - accuracy: 0.6562
Epoch 215: val_loss did not improve from 0.60362
11/11 [=====] - 0s 9ms/step - loss: 0.5939 - accuracy: 0.6437 - val_loss: 0.6295 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 216/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6534 - accuracy: 0.5938
Epoch 216: val_loss did not improve from 0.60362
11/11 [=====] - 0s 9ms/step - loss: 0.5878 - accuracy: 0.
6466 - val_loss: 0.6077 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 217/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6378 - accuracy: 0.5312
Epoch 217: val_loss did not improve from 0.60362
11/11 [=====] - 0s 9ms/step - loss: 0.5863 - accuracy: 0.
6408 - val_loss: 0.6082 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 218/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5991 - accuracy: 0.6562
Epoch 218: val_loss did not improve from 0.60362
11/11 [=====] - 0s 8ms/step - loss: 0.5893 - accuracy: 0.
6408 - val_loss: 0.6169 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 219/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5986 - accuracy: 0.6875
Epoch 219: val_loss did not improve from 0.60362
11/11 [=====] - 0s 8ms/step - loss: 0.5861 - accuracy: 0.
6437 - val_loss: 0.6189 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 220/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6498 - accuracy: 0.5625
Epoch 220: val_loss did not improve from 0.60362
11/11 [=====] - 0s 9ms/step - loss: 0.5871 - accuracy: 0.
6523 - val_loss: 0.6143 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 221/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5179 - accuracy: 0.8125
Epoch 221: val_loss did not improve from 0.60362
11/11 [=====] - 0s 8ms/step - loss: 0.5828 - accuracy: 0.
6494 - val_loss: 0.6134 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 222/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6023 - accuracy: 0.6875
Epoch 222: val_loss improved from 0.60362 to 0.59967, saving model to tmp/Weights-222--0.59967.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5840 - accuracy: 0.
6408 - val_loss: 0.5997 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 223/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6083 - accuracy: 0.5625
Epoch 223: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5843 - accuracy: 0.
6437 - val_loss: 0.6139 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 224/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6102 - accuracy: 0.5938
Epoch 224: val_loss did not improve from 0.59967
11/11 [=====] - 0s 10ms/step - loss: 0.5858 - accuracy: 0.
6408 - val_loss: 0.6015 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 225/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6008 - accuracy: 0.5938
Epoch 225: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5810 - accuracy: 0.
6523 - val_loss: 0.6189 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 226/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5064 - accuracy: 0.7500
Epoch 226: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5828 - accuracy: 0.
6523 - val_loss: 0.6152 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 227/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5803 - accuracy: 0.6250
Epoch 227: val_loss did not improve from 0.59967
11/11 [=====] - 0s 8ms/step - loss: 0.5819 - accuracy: 0.
6437 - val_loss: 0.6084 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 228/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5072 - accuracy: 0.6875
Epoch 228: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5816 - accuracy: 0.
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6494 - val_loss: 0.6145 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 229/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6959 - accuracy: 0.5625
Epoch 229: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5828 - accuracy: 0.
6466 - val_loss: 0.6012 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 230/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6388 - accuracy: 0.5312
Epoch 230: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5810 - accuracy: 0.
6466 - val_loss: 0.6080 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 231/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6080 - accuracy: 0.6250
Epoch 231: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5830 - accuracy: 0.
6494 - val_loss: 0.6194 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 232/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5764 - accuracy: 0.6250
Epoch 232: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5801 - accuracy: 0.
6523 - val_loss: 0.6123 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 233/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4885 - accuracy: 0.7188
Epoch 233: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5851 - accuracy: 0.
6351 - val_loss: 0.6078 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 234/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5100 - accuracy: 0.7812
Epoch 234: val_loss did not improve from 0.59967
11/11 [=====] - 0s 8ms/step - loss: 0.5800 - accuracy: 0.
6437 - val_loss: 0.6082 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 235/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6181 - accuracy: 0.6250
Epoch 235: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5787 - accuracy: 0.
6523 - val_loss: 0.6123 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 236/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6675 - accuracy: 0.5938
Epoch 236: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5795 - accuracy: 0.
6494 - val_loss: 0.6075 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 237/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5075 - accuracy: 0.7812
Epoch 237: val_loss did not improve from 0.59967
11/11 [=====] - 0s 8ms/step - loss: 0.5848 - accuracy: 0.
6351 - val_loss: 0.6119 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 238/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5843 - accuracy: 0.6875
Epoch 238: val_loss did not improve from 0.59967
11/11 [=====] - 0s 8ms/step - loss: 0.5808 - accuracy: 0.
6466 - val_loss: 0.6135 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 239/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6489 - accuracy: 0.5312
Epoch 239: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5825 - accuracy: 0.
6466 - val_loss: 0.6137 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 240/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5829 - accuracy: 0.6500
Epoch 240: val_loss did not improve from 0.59967
11/11 [=====] - 0s 11ms/step - loss: 0.5833 - accuracy: 0.
6523 - val_loss: 0.6126 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 241/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6288 - accuracy: 0.6250
Epoch 241: val_loss did not improve from 0.59967
```

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11/11 [=====] - 0s 8ms/step - loss: 0.5822 - accuracy: 0.  
6494 - val_loss: 0.6151 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 242/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6470 - accuracy: 0.6250  
Epoch 242: val_loss did not improve from 0.59967  
11/11 [=====] - 0s 8ms/step - loss: 0.5814 - accuracy: 0.  
6437 - val_loss: 0.6184 - val_accuracy: 0.6000 - lr: 0.0090  
Epoch 243/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5787 - accuracy: 0.6562  
Epoch 243: val_loss did not improve from 0.59967  
11/11 [=====] - 0s 9ms/step - loss: 0.5823 - accuracy: 0.  
6494 - val_loss: 0.6074 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 244/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5902 - accuracy: 0.6250  
Epoch 244: val_loss did not improve from 0.59967  
11/11 [=====] - 0s 8ms/step - loss: 0.5820 - accuracy: 0.  
6466 - val_loss: 0.6012 - val_accuracy: 0.6000 - lr: 0.0090  
Epoch 245/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5404 - accuracy: 0.6875  
Epoch 245: val_loss did not improve from 0.59967  
11/11 [=====] - 0s 8ms/step - loss: 0.5809 - accuracy: 0.  
6523 - val_loss: 0.6253 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 246/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5853 - accuracy: 0.5625  
Epoch 246: val_loss did not improve from 0.59967  
11/11 [=====] - 0s 8ms/step - loss: 0.5913 - accuracy: 0.  
6351 - val_loss: 0.6044 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 247/1000  
11/11 [=====] - ETA: 0s - loss: 0.6032 - accuracy: 0.6236  
Epoch 247: val_loss did not improve from 0.59967  
11/11 [=====] - 0s 10ms/step - loss: 0.6032 - accuracy:  
0.6236 - val_loss: 0.6916 - val_accuracy: 0.5267 - lr: 0.0090  
Epoch 248/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7158 - accuracy: 0.4375  
Epoch 248: val_loss did not improve from 0.59967  
11/11 [=====] - 0s 9ms/step - loss: 0.6046 - accuracy: 0.  
6034 - val_loss: 0.6628 - val_accuracy: 0.5400 - lr: 0.0090  
Epoch 249/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5365 - accuracy: 0.6562  
Epoch 249: val_loss did not improve from 0.59967  
11/11 [=====] - 0s 9ms/step - loss: 0.5988 - accuracy: 0.  
6149 - val_loss: 0.6106 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 250/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6169 - accuracy: 0.5312  
Epoch 250: val_loss did not improve from 0.59967  
11/11 [=====] - 0s 10ms/step - loss: 0.6080 - accuracy:  
0.6178 - val_loss: 0.6370 - val_accuracy: 0.6000 - lr: 0.0090  
Epoch 251/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6670 - accuracy: 0.5312  
Epoch 251: val_loss did not improve from 0.59967  
11/11 [=====] - 0s 10ms/step - loss: 0.5929 - accuracy:  
0.6466 - val_loss: 0.6215 - val_accuracy: 0.6000 - lr: 0.0090  
Epoch 252/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5814 - accuracy: 0.6875  
Epoch 252: val_loss did not improve from 0.59967  
11/11 [=====] - 0s 9ms/step - loss: 0.5953 - accuracy: 0.  
6006 - val_loss: 0.6106 - val_accuracy: 0.5800 - lr: 0.0090  
Epoch 253/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5835 - accuracy: 0.6562  
Epoch 253: val_loss did not improve from 0.59967  
11/11 [=====] - 0s 8ms/step - loss: 0.5861 - accuracy: 0.  
6293 - val_loss: 0.6002 - val_accuracy: 0.5933 - lr: 0.0090  
Epoch 254/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4820 - accuracy: 0.6875
```

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Epoch 254: val_loss did not improve from 0.59967
11/11 [=====] - 0s 8ms/step - loss: 0.5811 - accuracy: 0.
6322 - val_loss: 0.6200 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 255/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5064 - accuracy: 0.7188
Epoch 255: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5807 - accuracy: 0.
6466 - val_loss: 0.6135 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 256/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5692 - accuracy: 0.5625
Epoch 256: val_loss did not improve from 0.59967
11/11 [=====] - 0s 8ms/step - loss: 0.5846 - accuracy: 0.
6322 - val_loss: 0.6494 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 257/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5608 - accuracy: 0.6875
Epoch 257: val_loss did not improve from 0.59967
11/11 [=====] - 0s 13ms/step - loss: 0.5847 - accuracy:
0.6379 - val_loss: 0.6116 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 258/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6483 - accuracy: 0.5938
Epoch 258: val_loss did not improve from 0.59967
11/11 [=====] - 0s 10ms/step - loss: 0.5810 - accuracy:
0.6494 - val_loss: 0.6221 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 259/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5629 - accuracy: 0.5938
Epoch 259: val_loss did not improve from 0.59967
11/11 [=====] - 0s 8ms/step - loss: 0.5787 - accuracy: 0.
6494 - val_loss: 0.6185 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 260/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4711 - accuracy: 0.8125
Epoch 260: val_loss did not improve from 0.59967
11/11 [=====] - 0s 10ms/step - loss: 0.5794 - accuracy:
0.6523 - val_loss: 0.6139 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 261/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5691 - accuracy: 0.6250
Epoch 261: val_loss did not improve from 0.59967
11/11 [=====] - 0s 8ms/step - loss: 0.5803 - accuracy: 0.
6408 - val_loss: 0.6213 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 262/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6521 - accuracy: 0.5625
Epoch 262: val_loss did not improve from 0.59967
11/11 [=====] - 0s 8ms/step - loss: 0.5863 - accuracy: 0.
6408 - val_loss: 0.6178 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 263/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5987 - accuracy: 0.5312
Epoch 263: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5838 - accuracy: 0.
6466 - val_loss: 0.6260 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 264/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5871 - accuracy: 0.6562
Epoch 264: val_loss did not improve from 0.59967
11/11 [=====] - 0s 8ms/step - loss: 0.5808 - accuracy: 0.
6494 - val_loss: 0.6196 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 265/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6071 - accuracy: 0.6250
Epoch 265: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5804 - accuracy: 0.
6494 - val_loss: 0.6124 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 266/1000
9/11 [=====>.....] - ETA: 0s - loss: 0.5811 - accuracy: 0.6424
Epoch 266: val_loss did not improve from 0.59967
11/11 [=====] - 0s 11ms/step - loss: 0.5787 - accuracy:
0.6437 - val_loss: 0.6205 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 267/1000
```

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1/11 [=>.....] - ETA: 0s - loss: 0.4360 - accuracy: 0.7812
Epoch 267: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5790 - accuracy: 0.
6408 - val_loss: 0.6100 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 268/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6584 - accuracy: 0.5312
Epoch 268: val_loss did not improve from 0.59967
11/11 [=====] - 0s 8ms/step - loss: 0.5779 - accuracy: 0.
6552 - val_loss: 0.6182 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 269/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6410 - accuracy: 0.5000
Epoch 269: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5761 - accuracy: 0.
6494 - val_loss: 0.6146 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 270/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5824 - accuracy: 0.5625
Epoch 270: val_loss did not improve from 0.59967
11/11 [=====] - 0s 10ms/step - loss: 0.5755 - accuracy:
0.6494 - val_loss: 0.6109 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 271/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5729 - accuracy: 0.6250
Epoch 271: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5780 - accuracy: 0.
6494 - val_loss: 0.6201 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 272/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5773 - accuracy: 0.6562
Epoch 272: val_loss did not improve from 0.59967

Epoch 272: ReduceLROnPlateau reducing learning rate to 0.006299999728798866.
11/11 [=====] - 0s 8ms/step - loss: 0.5768 - accuracy: 0.
6466 - val_loss: 0.6092 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 273/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5779 - accuracy: 0.6250
Epoch 273: val_loss did not improve from 0.59967
11/11 [=====] - 0s 8ms/step - loss: 0.5756 - accuracy: 0.
6494 - val_loss: 0.6084 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 274/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5958 - accuracy: 0.6250
Epoch 274: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5761 - accuracy: 0.
6351 - val_loss: 0.6131 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 275/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5614 - accuracy: 0.6562
Epoch 275: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5762 - accuracy: 0.
6466 - val_loss: 0.6180 - val_accuracy: 0.6000 - lr: 0.0063
Epoch 276/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5926 - accuracy: 0.6250
Epoch 276: val_loss did not improve from 0.59967
11/11 [=====] - 0s 8ms/step - loss: 0.5767 - accuracy: 0.
6494 - val_loss: 0.6160 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 277/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5614 - accuracy: 0.6875
Epoch 277: val_loss did not improve from 0.59967
11/11 [=====] - 0s 8ms/step - loss: 0.5756 - accuracy: 0.
6552 - val_loss: 0.6091 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 278/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6629 - accuracy: 0.4375
Epoch 278: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5753 - accuracy: 0.
6494 - val_loss: 0.6161 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 279/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6068 - accuracy: 0.5938
Epoch 279: val_loss did not improve from 0.59967
```

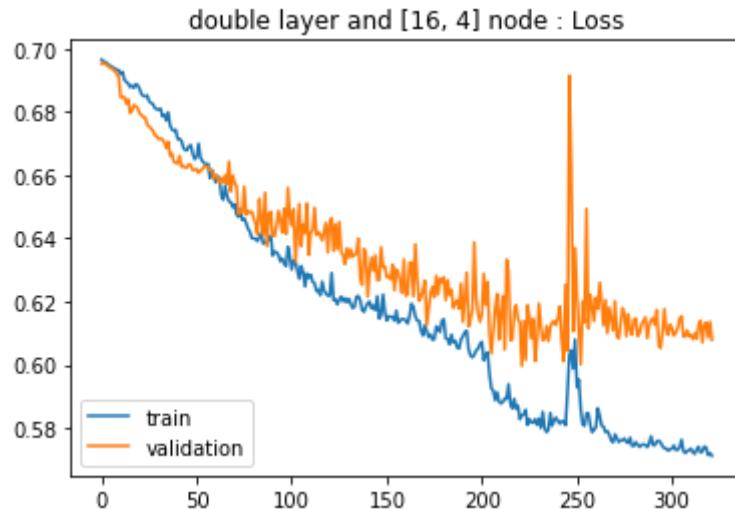
```
11/11 [=====] - 0s 8ms/step - loss: 0.5769 - accuracy: 0.  
6437 - val_loss: 0.6110 - val_accuracy: 0.5933 - lr: 0.0063  
Epoch 280/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5856 - accuracy: 0.6562  
Epoch 280: val_loss did not improve from 0.59967  
11/11 [=====] - 0s 9ms/step - loss: 0.5744 - accuracy: 0.  
6580 - val_loss: 0.6095 - val_accuracy: 0.6000 - lr: 0.0063  
Epoch 281/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6133 - accuracy: 0.5312  
Epoch 281: val_loss did not improve from 0.59967  
11/11 [=====] - 0s 9ms/step - loss: 0.5744 - accuracy: 0.  
6552 - val_loss: 0.6144 - val_accuracy: 0.6000 - lr: 0.0063  
Epoch 282/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5849 - accuracy: 0.6875  
Epoch 282: val_loss did not improve from 0.59967  
11/11 [=====] - 0s 9ms/step - loss: 0.5756 - accuracy: 0.  
6437 - val_loss: 0.6147 - val_accuracy: 0.6067 - lr: 0.0063  
Epoch 283/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5545 - accuracy: 0.6250  
Epoch 283: val_loss did not improve from 0.59967  
11/11 [=====] - 0s 9ms/step - loss: 0.5747 - accuracy: 0.  
6494 - val_loss: 0.6091 - val_accuracy: 0.5933 - lr: 0.0063  
Epoch 284/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4926 - accuracy: 0.7812  
Epoch 284: val_loss did not improve from 0.59967  
11/11 [=====] - 0s 9ms/step - loss: 0.5740 - accuracy: 0.  
6552 - val_loss: 0.6102 - val_accuracy: 0.5933 - lr: 0.0063  
Epoch 285/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5741 - accuracy: 0.5938  
Epoch 285: val_loss did not improve from 0.59967  
11/11 [=====] - 0s 9ms/step - loss: 0.5747 - accuracy: 0.  
6437 - val_loss: 0.6128 - val_accuracy: 0.6000 - lr: 0.0063  
Epoch 286/1000  
10/11 [=====>...] - ETA: 0s - loss: 0.5707 - accuracy: 0.6594  
Epoch 286: val_loss did not improve from 0.59967  
11/11 [=====] - 0s 10ms/step - loss: 0.5748 - accuracy:  
0.6552 - val_loss: 0.6139 - val_accuracy: 0.6000 - lr: 0.0063  
Epoch 287/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6246 - accuracy: 0.5625  
Epoch 287: val_loss did not improve from 0.59967  
11/11 [=====] - 0s 8ms/step - loss: 0.5747 - accuracy: 0.  
6494 - val_loss: 0.6150 - val_accuracy: 0.6000 - lr: 0.0063  
Epoch 288/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5144 - accuracy: 0.7188  
Epoch 288: val_loss did not improve from 0.59967  
11/11 [=====] - 0s 10ms/step - loss: 0.5740 - accuracy:  
0.6523 - val_loss: 0.6085 - val_accuracy: 0.5933 - lr: 0.0063  
Epoch 289/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6090 - accuracy: 0.6250  
Epoch 289: val_loss did not improve from 0.59967  
11/11 [=====] - 0s 10ms/step - loss: 0.5753 - accuracy:  
0.6466 - val_loss: 0.6125 - val_accuracy: 0.5933 - lr: 0.0063  
Epoch 290/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5885 - accuracy: 0.7188  
Epoch 290: val_loss did not improve from 0.59967  
11/11 [=====] - 0s 9ms/step - loss: 0.5774 - accuracy: 0.  
6494 - val_loss: 0.6141 - val_accuracy: 0.5933 - lr: 0.0063  
Epoch 291/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5134 - accuracy: 0.7812  
Epoch 291: val_loss did not improve from 0.59967  
11/11 [=====] - 0s 9ms/step - loss: 0.5746 - accuracy: 0.  
6523 - val_loss: 0.6148 - val_accuracy: 0.6067 - lr: 0.0063  
Epoch 292/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6338 - accuracy: 0.5625
```

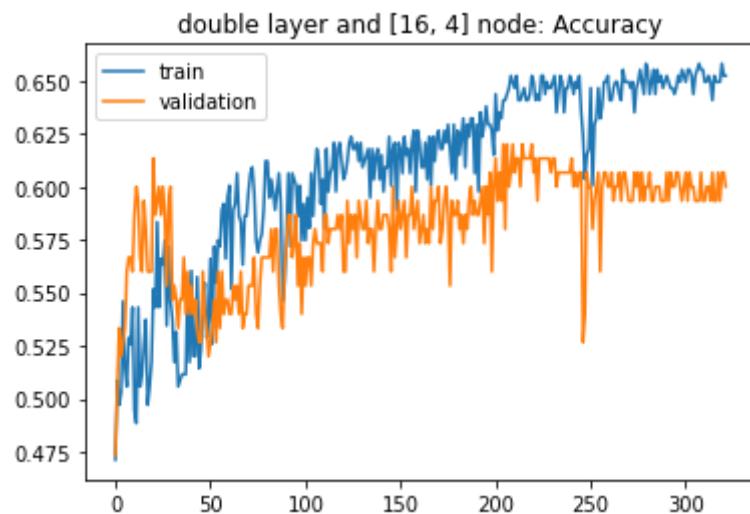
```
Epoch 292: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5746 - accuracy: 0.
6494 - val_loss: 0.6126 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 293/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5006 - accuracy: 0.7500
Epoch 293: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5758 - accuracy: 0.
6466 - val_loss: 0.6173 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 294/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5507 - accuracy: 0.6562
Epoch 294: val_loss did not improve from 0.59967
11/11 [=====] - 0s 8ms/step - loss: 0.5760 - accuracy: 0.
6466 - val_loss: 0.6066 - val_accuracy: 0.6000 - lr: 0.0063
Epoch 295/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5872 - accuracy: 0.5938
Epoch 295: val_loss did not improve from 0.59967
11/11 [=====] - 0s 8ms/step - loss: 0.5755 - accuracy: 0.
6437 - val_loss: 0.6053 - val_accuracy: 0.6000 - lr: 0.0063
Epoch 296/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5503 - accuracy: 0.5938
Epoch 296: val_loss did not improve from 0.59967
11/11 [=====] - 0s 8ms/step - loss: 0.5742 - accuracy: 0.
6466 - val_loss: 0.6102 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 297/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5425 - accuracy: 0.6875
Epoch 297: val_loss did not improve from 0.59967
11/11 [=====] - 0s 8ms/step - loss: 0.5736 - accuracy: 0.
6523 - val_loss: 0.6176 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 298/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5482 - accuracy: 0.7188
Epoch 298: val_loss did not improve from 0.59967
11/11 [=====] - 0s 8ms/step - loss: 0.5735 - accuracy: 0.
6494 - val_loss: 0.6109 - val_accuracy: 0.6000 - lr: 0.0063
Epoch 299/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5856 - accuracy: 0.6562
Epoch 299: val_loss did not improve from 0.59967
11/11 [=====] - 0s 8ms/step - loss: 0.5729 - accuracy: 0.
6552 - val_loss: 0.6095 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 300/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6246 - accuracy: 0.6250
Epoch 300: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5734 - accuracy: 0.
6523 - val_loss: 0.6128 - val_accuracy: 0.6000 - lr: 0.0063
Epoch 301/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4998 - accuracy: 0.7188
Epoch 301: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5735 - accuracy: 0.
6494 - val_loss: 0.6116 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 302/1000
11/11 [=====] - ETA: 0s - loss: 0.5745 - accuracy: 0.6552
Epoch 302: val_loss did not improve from 0.59967
11/11 [=====] - 0s 11ms/step - loss: 0.5745 - accuracy:
0.6552 - val_loss: 0.6093 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 303/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5813 - accuracy: 0.5625
Epoch 303: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5731 - accuracy: 0.
6552 - val_loss: 0.6102 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 304/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6001 - accuracy: 0.6250
Epoch 304: val_loss did not improve from 0.59967
11/11 [=====] - 0s 10ms/step - loss: 0.5731 - accuracy:
0.6523 - val_loss: 0.6117 - val_accuracy: 0.6000 - lr: 0.0063
Epoch 305/1000
```

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1/11 [=>.....] - ETA: 0s - loss: 0.5498 - accuracy: 0.6250
Epoch 305: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5739 - accuracy: 0.
6437 - val_loss: 0.6147 - val_accuracy: 0.6000 - lr: 0.0063
Epoch 306/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6108 - accuracy: 0.5625
Epoch 306: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5763 - accuracy: 0.
6523 - val_loss: 0.6154 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 307/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6151 - accuracy: 0.6562
Epoch 307: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5727 - accuracy: 0.
6552 - val_loss: 0.6090 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 308/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6078 - accuracy: 0.6562
Epoch 308: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5721 - accuracy: 0.
6580 - val_loss: 0.6090 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 309/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5612 - accuracy: 0.7188
Epoch 309: val_loss did not improve from 0.59967
11/11 [=====] - 0s 10ms/step - loss: 0.5727 - accuracy:
0.6552 - val_loss: 0.6109 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 310/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5100 - accuracy: 0.7500
Epoch 310: val_loss did not improve from 0.59967
11/11 [=====] - 0s 10ms/step - loss: 0.5730 - accuracy:
0.6552 - val_loss: 0.6091 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 311/1000
11/11 [=====] - ETA: 0s - loss: 0.5735 - accuracy: 0.6494
Epoch 311: val_loss did not improve from 0.59967
11/11 [=====] - 0s 10ms/step - loss: 0.5735 - accuracy:
0.6494 - val_loss: 0.6094 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 312/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5533 - accuracy: 0.6250
Epoch 312: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5723 - accuracy: 0.
6494 - val_loss: 0.6081 - val_accuracy: 0.6000 - lr: 0.0063
Epoch 313/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5565 - accuracy: 0.7188
Epoch 313: val_loss did not improve from 0.59967
11/11 [=====] - 0s 8ms/step - loss: 0.5719 - accuracy: 0.
6523 - val_loss: 0.6100 - val_accuracy: 0.6000 - lr: 0.0063
Epoch 314/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5470 - accuracy: 0.6562
Epoch 314: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5733 - accuracy: 0.
6494 - val_loss: 0.6083 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 315/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5957 - accuracy: 0.6562
Epoch 315: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5741 - accuracy: 0.
6408 - val_loss: 0.6125 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 316/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5348 - accuracy: 0.6562
Epoch 316: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5723 - accuracy: 0.
6523 - val_loss: 0.6140 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 317/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5596 - accuracy: 0.5938
Epoch 317: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5726 - accuracy: 0.
6494 - val_loss: 0.6071 - val_accuracy: 0.5933 - lr: 0.0063
```

```
Epoch 318/1000
1/11 [=>........................] - ETA: 0s - loss: 0.5464 - accuracy: 0.6875
Epoch 318: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5742 - accuracy: 0.
6494 - val_loss: 0.6125 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 319/1000
1/11 [=>........................] - ETA: 0s - loss: 0.4923 - accuracy: 0.7812
Epoch 319: val_loss did not improve from 0.59967
11/11 [=====] - 0s 8ms/step - loss: 0.5738 - accuracy: 0.
6494 - val_loss: 0.6134 - val_accuracy: 0.5933 - lr: 0.0063
Epoch 320/1000
1/11 [=>........................] - ETA: 0s - loss: 0.5575 - accuracy: 0.7188
Epoch 320: val_loss did not improve from 0.59967
11/11 [=====] - 0s 10ms/step - loss: 0.5714 - accuracy:
0.6580 - val_loss: 0.6087 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 321/1000
1/11 [=>........................] - ETA: 0s - loss: 0.5939 - accuracy: 0.5625
Epoch 321: val_loss did not improve from 0.59967
11/11 [=====] - 0s 9ms/step - loss: 0.5720 - accuracy: 0.
6523 - val_loss: 0.6136 - val_accuracy: 0.6067 - lr: 0.0063
Epoch 322/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6116 - accuracy: 0.5938
Epoch 322: val_loss did not improve from 0.59967

Epoch 322: ReduceLROnPlateau reducing learning rate to 0.004409999679774046.
11/11 [=====] - 0s 9ms/step - loss: 0.5713 - accuracy: 0.
6523 - val_loss: 0.6079 - val_accuracy: 0.6000 - lr: 0.0063
Epoch 322: early stopping
Final training loss for double layer and [16, 4] nodes: 0.5712599158287048
Final training accuracy for double layer and [16, 4] nodes 0.6522988677024841
Final validation loss for double layer and [16, 4] nodes 0.6078802347183228
Final validation accuracy for double layer and [16, 4] nodes 0.6000000238418579
```





>>>>>>>>>>>>> Model training with double hidden layer and [16, 8] node>>>>
>>>>>>>

Model: "sequential_46"

Layer (type)	Output Shape	Param #
<hr/>		
dense_126 (Dense)	(None, 16)	48
dense_127 (Dense)	(None, 8)	136
dense_128 (Dense)	(None, 1)	9
<hr/>		
Total params: 193		
Trainable params: 193		
Non-trainable params: 0		

None

Epoch 1/1000

1/11 [=>.....] - ETA: 7s - loss: 0.6967 - accuracy: 0.4062
Epoch 1: val_loss improved from inf to 0.69199, saving model to tmp/Weights-001--0.69199.hdf5

11/11 [=====] - 1s 32ms/step - loss: 0.6965 - accuracy: 0.4885 - val_loss: 0.6920 - val_accuracy: 0.5000 - lr: 0.0090

Epoch 2/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6927 - accuracy: 0.6250
Epoch 2: val_loss improved from 0.69199 to 0.69171, saving model to tmp/Weights-002--0.69171.hdf5

11/11 [=====] - 0s 11ms/step - loss: 0.6931 - accuracy: 0.5029 - val_loss: 0.6917 - val_accuracy: 0.5000 - lr: 0.0090

Epoch 3/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6976 - accuracy: 0.3438
Epoch 3: val_loss did not improve from 0.69171

11/11 [=====] - 0s 10ms/step - loss: 0.6933 - accuracy: 0.4971 - val_loss: 0.6920 - val_accuracy: 0.5933 - lr: 0.0090

Epoch 4/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6927 - accuracy: 0.5000
Epoch 4: val_loss improved from 0.69171 to 0.68962, saving model to tmp/Weights-004--0.68962.hdf5

11/11 [=====] - 0s 11ms/step - loss: 0.6926 - accuracy: 0.5029 - val_loss: 0.6896 - val_accuracy: 0.5800 - lr: 0.0090

Epoch 5/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6959 - accuracy: 0.4688
Epoch 5: val_loss improved from 0.68962 to 0.68917, saving model to tmp/Weights-005--0.68917.hdf5

11/11 [=====] - 0s 10ms/step - loss: 0.6918 - accuracy: 0.5172 - val_loss: 0.6892 - val_accuracy: 0.5800 - lr: 0.0090

Epoch 6/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6908 - accuracy: 0.4688
Epoch 6: val_loss improved from 0.68917 to 0.68865, saving model to tmp/Weights-006--0.68865.hdf5

11/11 [=====] - 0s 11ms/step - loss: 0.6917 - accuracy: 0.4856 - val_loss: 0.6887 - val_accuracy: 0.6067 - lr: 0.0090

Epoch 7/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6738 - accuracy: 0.6562
Epoch 7: val_loss improved from 0.68865 to 0.68640, saving model to tmp/Weights-007--0.68640.hdf5

11/11 [=====] - 0s 11ms/step - loss: 0.6906 - accuracy: 0.5259 - val_loss: 0.6864 - val_accuracy: 0.6267 - lr: 0.0090

Epoch 8/1000

1/11 [=>.....] - ETA: 0s - loss: 0.6913 - accuracy: 0.5312

```
Epoch 8: val_loss improved from 0.68640 to 0.68620, saving model to tmp/Weights-00
8--0.68620.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6901 - accuracy: 0.5230
- val_loss: 0.6862 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 9/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6891 - accuracy: 0.4688
Epoch 9: val_loss improved from 0.68620 to 0.68530, saving model to tmp/Weights-00
9--0.68530.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6896 - accuracy: 0.5144
- val_loss: 0.6853 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 10/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6852 - accuracy: 0.5938
Epoch 10: val_loss improved from 0.68530 to 0.68294, saving model to tmp/Weights-0
10--0.68294.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6890 - accuracy: 0.5057
- val_loss: 0.6829 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 11/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6936 - accuracy: 0.6562
Epoch 11: val_loss improved from 0.68294 to 0.68162, saving model to tmp/Weights-0
11--0.68162.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6889 - accuracy: 0.5402
- val_loss: 0.6816 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 12/1000
11/11 [=====] - ETA: 0s - loss: 0.6885 - accuracy: 0.5144
Epoch 12: val_loss did not improve from 0.68162
11/11 [=====] - 0s 10ms/step - loss: 0.6885 - accuracy: 0.5144
- val_loss: 0.6846 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 13/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6880 - accuracy: 0.5625
Epoch 13: val_loss did not improve from 0.68162
11/11 [=====] - 0s 9ms/step - loss: 0.6885 - accuracy: 0.5345
- val_loss: 0.6842 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 14/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6937 - accuracy: 0.4375
Epoch 14: val_loss improved from 0.68162 to 0.68148, saving model to tmp/Weights-0
14--0.68148.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6869 - accuracy: 0.5287
- val_loss: 0.6815 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 15/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6867 - accuracy: 0.6562
Epoch 15: val_loss did not improve from 0.68148
11/11 [=====] - 0s 8ms/step - loss: 0.6869 - accuracy: 0.5402
- val_loss: 0.6828 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 16/1000
11/11 [=====] - ETA: 0s - loss: 0.6852 - accuracy: 0.5345
Epoch 16: val_loss improved from 0.68148 to 0.67736, saving model to tmp/Weights-0
16--0.67736.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6852 - accuracy: 0.5345
- val_loss: 0.6774 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 17/1000
11/11 [=====] - ETA: 0s - loss: 0.6848 - accuracy: 0.5287
Epoch 17: val_loss did not improve from 0.67736
11/11 [=====] - 0s 11ms/step - loss: 0.6848 - accuracy: 0.5287
- val_loss: 0.6811 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 18/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6630 - accuracy: 0.4688
Epoch 18: val_loss did not improve from 0.67736
11/11 [=====] - 0s 9ms/step - loss: 0.6843 - accuracy: 0.5172
- val_loss: 0.6804 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 19/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6572 - accuracy: 0.5312
Epoch 19: val_loss did not improve from 0.67736
11/11 [=====] - 0s 9ms/step - loss: 0.6855 - accuracy: 0.5230
- val_loss: 0.6809 - val_accuracy: 0.5533 - lr: 0.0090
```

```
Epoch 20/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6596 - accuracy: 0.6875
Epoch 20: val_loss improved from 0.67736 to 0.67697, saving model to tmp/Weights-0
20--0.67697.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6869 - accuracy:
0.5259 - val_loss: 0.6770 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 21/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6770 - accuracy: 0.6562
Epoch 21: val_loss did not improve from 0.67697
11/11 [=====] - 0s 9ms/step - loss: 0.6827 - accuracy: 0.
5287 - val_loss: 0.6784 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 22/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6944 - accuracy: 0.5312
Epoch 22: val_loss did not improve from 0.67697
11/11 [=====] - 0s 9ms/step - loss: 0.6819 - accuracy: 0.
5230 - val_loss: 0.6771 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 23/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6767 - accuracy: 0.5938
Epoch 23: val_loss did not improve from 0.67697
11/11 [=====] - 0s 9ms/step - loss: 0.6811 - accuracy: 0.
5259 - val_loss: 0.6787 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 24/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7006 - accuracy: 0.3750
Epoch 24: val_loss improved from 0.67697 to 0.67679, saving model to tmp/Weights-0
24--0.67679.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6823 - accuracy:
0.5201 - val_loss: 0.6768 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 25/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6688 - accuracy: 0.5312
Epoch 25: val_loss improved from 0.67679 to 0.67564, saving model to tmp/Weights-0
25--0.67564.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6814 - accuracy:
0.5259 - val_loss: 0.6756 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 26/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6819 - accuracy: 0.4375
Epoch 26: val_loss did not improve from 0.67564
11/11 [=====] - 0s 8ms/step - loss: 0.6793 - accuracy: 0.
5201 - val_loss: 0.6765 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 27/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6522 - accuracy: 0.6875
Epoch 27: val_loss improved from 0.67564 to 0.67440, saving model to tmp/Weights-0
27--0.67440.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6765 - accuracy:
0.5201 - val_loss: 0.6744 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 28/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6830 - accuracy: 0.5000
Epoch 28: val_loss improved from 0.67440 to 0.67378, saving model to tmp/Weights-0
28--0.67378.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6756 - accuracy:
0.5345 - val_loss: 0.6738 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 29/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6823 - accuracy: 0.5312
Epoch 29: val_loss improved from 0.67378 to 0.67310, saving model to tmp/Weights-0
29--0.67310.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6742 - accuracy:
0.5345 - val_loss: 0.6731 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 30/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6571 - accuracy: 0.5625
Epoch 30: val_loss did not improve from 0.67310
11/11 [=====] - 0s 8ms/step - loss: 0.6746 - accuracy: 0.
5259 - val_loss: 0.6736 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 31/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6845 - accuracy: 0.4375
Epoch 31: val_loss improved from 0.67310 to 0.67093, saving model to tmp/Weights-0
```

```
31--0.67093.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6726 - accuracy: 0.5115 - val_loss: 0.6709 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 32/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7001 - accuracy: 0.4062
Epoch 32: val_loss did not improve from 0.67093
11/11 [=====] - 0s 10ms/step - loss: 0.6719 - accuracy: 0.5287 - val_loss: 0.6724 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 33/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6813 - accuracy: 0.4062
Epoch 33: val_loss did not improve from 0.67093
11/11 [=====] - 0s 10ms/step - loss: 0.6732 - accuracy: 0.5230 - val_loss: 0.6711 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 34/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7000 - accuracy: 0.4375
Epoch 34: val_loss improved from 0.67093 to 0.67078, saving model to tmp/Weights-0
34--0.67078.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6726 - accuracy: 0.5115 - val_loss: 0.6708 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 35/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6883 - accuracy: 0.5625
Epoch 35: val_loss did not improve from 0.67078
11/11 [=====] - 0s 9ms/step - loss: 0.6723 - accuracy: 0.5057 - val_loss: 0.6726 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 36/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7008 - accuracy: 0.3750
Epoch 36: val_loss improved from 0.67078 to 0.66963, saving model to tmp/Weights-0
36--0.66963.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6703 - accuracy: 0.5029 - val_loss: 0.6696 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 37/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6793 - accuracy: 0.5312
Epoch 37: val_loss did not improve from 0.66963
11/11 [=====] - 0s 8ms/step - loss: 0.6711 - accuracy: 0.5029 - val_loss: 0.6728 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 38/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6450 - accuracy: 0.4375
Epoch 38: val_loss improved from 0.66963 to 0.66940, saving model to tmp/Weights-0
38--0.66940.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6698 - accuracy: 0.5029 - val_loss: 0.6694 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 39/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6888 - accuracy: 0.4375
Epoch 39: val_loss improved from 0.66940 to 0.66923, saving model to tmp/Weights-0
39--0.66923.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6716 - accuracy: 0.5057 - val_loss: 0.6692 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 40/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6544 - accuracy: 0.5000
Epoch 40: val_loss did not improve from 0.66923
11/11 [=====] - 0s 8ms/step - loss: 0.6693 - accuracy: 0.5029 - val_loss: 0.6699 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 41/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6510 - accuracy: 0.5312
Epoch 41: val_loss did not improve from 0.66923
11/11 [=====] - 0s 8ms/step - loss: 0.6694 - accuracy: 0.5057 - val_loss: 0.6731 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 42/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6995 - accuracy: 0.4375
Epoch 42: val_loss improved from 0.66923 to 0.66882, saving model to tmp/Weights-0
42--0.66882.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6708 - accuracy: 0.5172 - val_loss: 0.6688 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 43/1000
```

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1/11 [=>.....] - ETA: 0s - loss: 0.6752 - accuracy: 0.5000
Epoch 43: val_loss did not improve from 0.66882
11/11 [=====] - 0s 9ms/step - loss: 0.6703 - accuracy: 0.
5057 - val_loss: 0.6695 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 44/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6325 - accuracy: 0.5938
Epoch 44: val_loss did not improve from 0.66882
11/11 [=====] - 0s 9ms/step - loss: 0.6776 - accuracy: 0.
5201 - val_loss: 0.6805 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 45/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6596 - accuracy: 0.5938
Epoch 45: val_loss did not improve from 0.66882
11/11 [=====] - 0s 9ms/step - loss: 0.6767 - accuracy: 0.
5029 - val_loss: 0.6689 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 46/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6876 - accuracy: 0.5938
Epoch 46: val_loss improved from 0.66882 to 0.66722, saving model to tmp/Weights-0
46--0.66722.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6683 - accuracy:
0.5374 - val_loss: 0.6672 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 47/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6419 - accuracy: 0.5938
Epoch 47: val_loss did not improve from 0.66722
11/11 [=====] - 0s 9ms/step - loss: 0.6654 - accuracy: 0.
5230 - val_loss: 0.6673 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 48/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6998 - accuracy: 0.5000
Epoch 48: val_loss improved from 0.66722 to 0.66612, saving model to tmp/Weights-0
48--0.66612.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6641 - accuracy:
0.5115 - val_loss: 0.6661 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 49/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6647 - accuracy: 0.6562
Epoch 49: val_loss did not improve from 0.66612
11/11 [=====] - 0s 10ms/step - loss: 0.6658 - accuracy:
0.5316 - val_loss: 0.6682 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 50/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6579 - accuracy: 0.5312
Epoch 50: val_loss did not improve from 0.66612
11/11 [=====] - 0s 9ms/step - loss: 0.6663 - accuracy: 0.
5345 - val_loss: 0.6677 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 51/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6534 - accuracy: 0.6250
Epoch 51: val_loss improved from 0.66612 to 0.66509, saving model to tmp/Weights-0
51--0.66509.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6636 - accuracy:
0.5431 - val_loss: 0.6651 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 52/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6771 - accuracy: 0.4688
Epoch 52: val_loss did not improve from 0.66509
11/11 [=====] - 0s 8ms/step - loss: 0.6654 - accuracy: 0.
5201 - val_loss: 0.6696 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 53/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6719 - accuracy: 0.5000
Epoch 53: val_loss did not improve from 0.66509
11/11 [=====] - 0s 8ms/step - loss: 0.6682 - accuracy: 0.
5230 - val_loss: 0.6681 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 54/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6881 - accuracy: 0.5312
Epoch 54: val_loss did not improve from 0.66509
11/11 [=====] - 0s 9ms/step - loss: 0.6647 - accuracy: 0.
5316 - val_loss: 0.6704 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 55/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6694 - accuracy: 0.6250
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Epoch 55: val_loss improved from 0.66509 to 0.66502, saving model to tmp/Weights-0
55--0.66502.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6650 - accuracy:
0.5489 - val_loss: 0.6650 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 56/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6940 - accuracy: 0.4688
Epoch 56: val_loss did not improve from 0.66502
11/11 [=====] - 0s 9ms/step - loss: 0.6619 - accuracy: 0.
5374 - val_loss: 0.6655 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 57/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6305 - accuracy: 0.5625
Epoch 57: val_loss improved from 0.66502 to 0.65970, saving model to tmp/Weights-0
57--0.65970.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6621 - accuracy:
0.5489 - val_loss: 0.6597 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 58/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6743 - accuracy: 0.5312
Epoch 58: val_loss did not improve from 0.65970
11/11 [=====] - 0s 9ms/step - loss: 0.6605 - accuracy: 0.
5345 - val_loss: 0.6613 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 59/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6284 - accuracy: 0.8438
Epoch 59: val_loss did not improve from 0.65970
11/11 [=====] - 0s 10ms/step - loss: 0.6623 - accuracy:
0.5374 - val_loss: 0.6681 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 60/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6407 - accuracy: 0.6875
Epoch 60: val_loss improved from 0.65970 to 0.65816, saving model to tmp/Weights-0
60--0.65816.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6665 - accuracy:
0.5431 - val_loss: 0.6582 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 61/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6443 - accuracy: 0.6250
Epoch 61: val_loss did not improve from 0.65816
11/11 [=====] - 0s 8ms/step - loss: 0.6638 - accuracy: 0.
5374 - val_loss: 0.6638 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 62/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6863 - accuracy: 0.4375
Epoch 62: val_loss did not improve from 0.65816
11/11 [=====] - 0s 9ms/step - loss: 0.6599 - accuracy: 0.
5402 - val_loss: 0.6603 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 63/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6541 - accuracy: 0.5312
Epoch 63: val_loss did not improve from 0.65816
11/11 [=====] - 0s 10ms/step - loss: 0.6596 - accuracy:
0.5431 - val_loss: 0.6619 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 64/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6337 - accuracy: 0.5312
Epoch 64: val_loss improved from 0.65816 to 0.65358, saving model to tmp/Weights-0
64--0.65358.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6588 - accuracy:
0.5489 - val_loss: 0.6536 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 65/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6677 - accuracy: 0.6250
Epoch 65: val_loss did not improve from 0.65358
11/11 [=====] - 0s 8ms/step - loss: 0.6626 - accuracy: 0.
5431 - val_loss: 0.6609 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 66/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6684 - accuracy: 0.5938
Epoch 66: val_loss did not improve from 0.65358
11/11 [=====] - 0s 9ms/step - loss: 0.6606 - accuracy: 0.
5489 - val_loss: 0.6574 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 67/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5761 - accuracy: 0.6875
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Epoch 67: val_loss did not improve from 0.65358
11/11 [=====] - 0s 9ms/step - loss: 0.6584 - accuracy: 0.
5489 - val_loss: 0.6579 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 68/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6548 - accuracy: 0.5312
Epoch 68: val_loss did not improve from 0.65358
11/11 [=====] - 0s 9ms/step - loss: 0.6592 - accuracy: 0.
5374 - val_loss: 0.6647 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 69/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6332 - accuracy: 0.6250
Epoch 69: val_loss did not improve from 0.65358
11/11 [=====] - 0s 8ms/step - loss: 0.6621 - accuracy: 0.
5489 - val_loss: 0.6552 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 70/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6730 - accuracy: 0.5000
Epoch 70: val_loss did not improve from 0.65358
11/11 [=====] - 0s 8ms/step - loss: 0.6572 - accuracy: 0.
5460 - val_loss: 0.6550 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 71/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5833 - accuracy: 0.6250
Epoch 71: val_loss improved from 0.65358 to 0.65125, saving model to tmp/Weights-0
71--0.65125.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6569 - accuracy: 0.
5517 - val_loss: 0.6512 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 72/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6216 - accuracy: 0.6562
Epoch 72: val_loss did not improve from 0.65125
11/11 [=====] - 0s 9ms/step - loss: 0.6573 - accuracy: 0.
5460 - val_loss: 0.6577 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 73/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6340 - accuracy: 0.7500
Epoch 73: val_loss did not improve from 0.65125
11/11 [=====] - 0s 9ms/step - loss: 0.6577 - accuracy: 0.
5489 - val_loss: 0.6544 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 74/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6452 - accuracy: 0.5938
Epoch 74: val_loss did not improve from 0.65125
11/11 [=====] - 0s 9ms/step - loss: 0.6570 - accuracy: 0.
5489 - val_loss: 0.6515 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 75/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6028 - accuracy: 0.5938
Epoch 75: val_loss did not improve from 0.65125
11/11 [=====] - 0s 9ms/step - loss: 0.6559 - accuracy: 0.
5517 - val_loss: 0.6530 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 76/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6230 - accuracy: 0.6250
Epoch 76: val_loss improved from 0.65125 to 0.64850, saving model to tmp/Weights-0
76--0.64850.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6557 - accuracy: 0.
5546 - val_loss: 0.6485 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 77/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6721 - accuracy: 0.5312
Epoch 77: val_loss did not improve from 0.64850
11/11 [=====] - 0s 10ms/step - loss: 0.6562 - accuracy: 0.
5575 - val_loss: 0.6489 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 78/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6995 - accuracy: 0.4688
Epoch 78: val_loss improved from 0.64850 to 0.64592, saving model to tmp/Weights-0
78--0.64592.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6561 - accuracy: 0.
5603 - val_loss: 0.6459 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 79/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6760 - accuracy: 0.5000
Epoch 79: val_loss did not improve from 0.64592
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11/11 [=====] - 0s 9ms/step - loss: 0.6552 - accuracy: 0.5345 - val_loss: 0.6527 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 80/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6259 - accuracy: 0.5312
Epoch 80: val_loss did not improve from 0.64592
11/11 [=====] - 0s 9ms/step - loss: 0.6557 - accuracy: 0.5517 - val_loss: 0.6546 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 81/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6950 - accuracy: 0.5000
Epoch 81: val_loss improved from 0.64592 to 0.64346, saving model to tmp/Weights-0
81--0.64346.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6559 - accuracy: 0.5517 - val_loss: 0.6435 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 82/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6436 - accuracy: 0.6250
Epoch 82: val_loss did not improve from 0.64346
11/11 [=====] - 0s 9ms/step - loss: 0.6552 - accuracy: 0.5603 - val_loss: 0.6542 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 83/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6075 - accuracy: 0.5312
Epoch 83: val_loss improved from 0.64346 to 0.64310, saving model to tmp/Weights-0
83--0.64310.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6537 - accuracy: 0.5546 - val_loss: 0.6431 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 84/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6515 - accuracy: 0.5625
Epoch 84: val_loss did not improve from 0.64310
11/11 [=====] - 0s 9ms/step - loss: 0.6532 - accuracy: 0.5431 - val_loss: 0.6513 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 85/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6442 - accuracy: 0.6875
Epoch 85: val_loss did not improve from 0.64310
11/11 [=====] - 0s 10ms/step - loss: 0.6547 - accuracy: 0.5489 - val_loss: 0.6482 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 86/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6433 - accuracy: 0.5312
Epoch 86: val_loss did not improve from 0.64310
11/11 [=====] - 0s 9ms/step - loss: 0.6549 - accuracy: 0.5431 - val_loss: 0.6443 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 87/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6326 - accuracy: 0.5625
Epoch 87: val_loss improved from 0.64310 to 0.64121, saving model to tmp/Weights-0
87--0.64121.hdf5
11/11 [=====] - 0s 14ms/step - loss: 0.6540 - accuracy: 0.5431 - val_loss: 0.6412 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 88/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6255 - accuracy: 0.5938
Epoch 88: val_loss did not improve from 0.64121
11/11 [=====] - 0s 10ms/step - loss: 0.6525 - accuracy: 0.5632 - val_loss: 0.6457 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 89/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6982 - accuracy: 0.4375
Epoch 89: val_loss did not improve from 0.64121
11/11 [=====] - 0s 9ms/step - loss: 0.6540 - accuracy: 0.5316 - val_loss: 0.6438 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 90/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6655 - accuracy: 0.6250
Epoch 90: val_loss did not improve from 0.64121
11/11 [=====] - 0s 9ms/step - loss: 0.6560 - accuracy: 0.5546 - val_loss: 0.6541 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 91/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6486 - accuracy: 0.5938
Epoch 91: val_loss improved from 0.64121 to 0.64091, saving model to tmp/Weights-0
91--0.64091.hdf5
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11/11 [=====] - 0s 12ms/step - loss: 0.6549 - accuracy: 0.5546 - val_loss: 0.6409 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 92/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6585 - accuracy: 0.5625
Epoch 92: val_loss did not improve from 0.64091
11/11 [=====] - 0s 9ms/step - loss: 0.6530 - accuracy: 0.5345 - val_loss: 0.6456 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 93/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7031 - accuracy: 0.4062
Epoch 93: val_loss did not improve from 0.64091
11/11 [=====] - 0s 10ms/step - loss: 0.6572 - accuracy: 0.5230 - val_loss: 0.6504 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 94/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6845 - accuracy: 0.3750
Epoch 94: val_loss did not improve from 0.64091
11/11 [=====] - 0s 9ms/step - loss: 0.6549 - accuracy: 0.5259 - val_loss: 0.6450 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 95/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6491 - accuracy: 0.5000
Epoch 95: val_loss improved from 0.64091 to 0.63783, saving model to tmp/Weights-095--0.63783.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6535 - accuracy: 0.5402 - val_loss: 0.6378 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 96/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6295 - accuracy: 0.4688
Epoch 96: val_loss improved from 0.63783 to 0.63713, saving model to tmp/Weights-096--0.63713.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6524 - accuracy: 0.5431 - val_loss: 0.6371 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 97/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6810 - accuracy: 0.5312
Epoch 97: val_loss did not improve from 0.63713
11/11 [=====] - 0s 9ms/step - loss: 0.6526 - accuracy: 0.5747 - val_loss: 0.6533 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 98/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6613 - accuracy: 0.6875
Epoch 98: val_loss improved from 0.63713 to 0.63343, saving model to tmp/Weights-098--0.63343.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6527 - accuracy: 0.5690 - val_loss: 0.6334 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 99/1000
11/11 [=====] - ETA: 0s - loss: 0.6548 - accuracy: 0.5603
Epoch 99: val_loss did not improve from 0.63343
11/11 [=====] - 0s 10ms/step - loss: 0.6548 - accuracy: 0.5603 - val_loss: 0.6560 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 100/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6674 - accuracy: 0.4688
Epoch 100: val_loss did not improve from 0.63343
11/11 [=====] - 0s 8ms/step - loss: 0.6526 - accuracy: 0.5546 - val_loss: 0.6343 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 101/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6393 - accuracy: 0.5625
Epoch 101: val_loss did not improve from 0.63343
11/11 [=====] - 0s 9ms/step - loss: 0.6476 - accuracy: 0.5690 - val_loss: 0.6362 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 102/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6637 - accuracy: 0.4688
Epoch 102: val_loss improved from 0.63343 to 0.63141, saving model to tmp/Weights-102--0.63141.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6495 - accuracy: 0.5690 - val_loss: 0.6314 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 103/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6682 - accuracy: 0.5938
Epoch 103: val_loss did not improve from 0.63141
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11/11 [=====] - 0s 9ms/step - loss: 0.6491 - accuracy: 0.5690 - val_loss: 0.6397 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 104/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6218 - accuracy: 0.6562
Epoch 104: val_loss improved from 0.63141 to 0.63060, saving model to tmp/Weights-104--0.63060.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6470 - accuracy: 0.5833 - val_loss: 0.6306 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 105/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6141 - accuracy: 0.6875
Epoch 105: val_loss improved from 0.63060 to 0.62881, saving model to tmp/Weights-105--0.62881.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6463 - accuracy: 0.5632 - val_loss: 0.6288 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 106/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6743 - accuracy: 0.5000
Epoch 106: val_loss improved from 0.62881 to 0.62795, saving model to tmp/Weights-106--0.62795.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6452 - accuracy: 0.5718 - val_loss: 0.6279 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 107/1000
11/11 [=====] - ETA: 0s - loss: 0.6466 - accuracy: 0.5460
Epoch 107: val_loss improved from 0.62795 to 0.62616, saving model to tmp/Weights-107--0.62616.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6466 - accuracy: 0.5460 - val_loss: 0.6262 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 108/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5780 - accuracy: 0.6875
Epoch 108: val_loss did not improve from 0.62616
11/11 [=====] - 0s 9ms/step - loss: 0.6440 - accuracy: 0.5805 - val_loss: 0.6287 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 109/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6770 - accuracy: 0.6562
Epoch 109: val_loss did not improve from 0.62616
11/11 [=====] - 0s 7ms/step - loss: 0.6436 - accuracy: 0.5948 - val_loss: 0.6262 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 110/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5908 - accuracy: 0.6562
Epoch 110: val_loss did not improve from 0.62616
11/11 [=====] - 0s 8ms/step - loss: 0.6423 - accuracy: 0.5747 - val_loss: 0.6277 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 111/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6393 - accuracy: 0.5938
Epoch 111: val_loss improved from 0.62616 to 0.62255, saving model to tmp/Weights-111--0.62255.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6433 - accuracy: 0.5661 - val_loss: 0.6225 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 112/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6306 - accuracy: 0.5625
Epoch 112: val_loss did not improve from 0.62255
11/11 [=====] - 0s 8ms/step - loss: 0.6410 - accuracy: 0.5747 - val_loss: 0.6226 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 113/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6705 - accuracy: 0.5000
Epoch 113: val_loss improved from 0.62255 to 0.62028, saving model to tmp/Weights-113--0.62028.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6402 - accuracy: 0.5805 - val_loss: 0.6203 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 114/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6723 - accuracy: 0.5000
Epoch 114: val_loss did not improve from 0.62028
11/11 [=====] - 0s 10ms/step - loss: 0.6384 - accuracy: 0.6178 - val_loss: 0.6206 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 115/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6764 - accuracy: 0.6250
Epoch 115: val_loss did not improve from 0.62028
11/11 [=====] - 0s 9ms/step - loss: 0.6382 - accuracy: 0.
5833 - val_loss: 0.6229 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 116/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6348 - accuracy: 0.6562
Epoch 116: val_loss did not improve from 0.62028
11/11 [=====] - 0s 10ms/step - loss: 0.6385 - accuracy:
0.5891 - val_loss: 0.6208 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 117/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6258 - accuracy: 0.4062
Epoch 117: val_loss did not improve from 0.62028
11/11 [=====] - 0s 10ms/step - loss: 0.6390 - accuracy:
0.5690 - val_loss: 0.6232 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 118/1000
11/11 [=====] - ETA: 0s - loss: 0.6370 - accuracy: 0.6034
Epoch 118: val_loss did not improve from 0.62028
11/11 [=====] - 0s 10ms/step - loss: 0.6370 - accuracy:
0.6034 - val_loss: 0.6203 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 119/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6049 - accuracy: 0.6562
Epoch 119: val_loss did not improve from 0.62028
11/11 [=====] - 0s 9ms/step - loss: 0.6369 - accuracy: 0.
6149 - val_loss: 0.6232 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 120/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6485 - accuracy: 0.7188
Epoch 120: val_loss improved from 0.62028 to 0.61874, saving model to tmp/Weights-
120--0.61874.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6348 - accuracy:
0.5661 - val_loss: 0.6187 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 121/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6440 - accuracy: 0.5625
Epoch 121: val_loss improved from 0.61874 to 0.61688, saving model to tmp/Weights-
121--0.61688.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6343 - accuracy:
0.5805 - val_loss: 0.6169 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 122/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6076 - accuracy: 0.5938
Epoch 122: val_loss did not improve from 0.61688
11/11 [=====] - 0s 10ms/step - loss: 0.6332 - accuracy:
0.6092 - val_loss: 0.6195 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 123/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6658 - accuracy: 0.5625
Epoch 123: val_loss improved from 0.61688 to 0.61382, saving model to tmp/Weights-
123--0.61382.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6322 - accuracy:
0.6178 - val_loss: 0.6138 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 124/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6133 - accuracy: 0.5938
Epoch 124: val_loss did not improve from 0.61382
11/11 [=====] - 0s 9ms/step - loss: 0.6337 - accuracy: 0.
5718 - val_loss: 0.6220 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 125/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6229 - accuracy: 0.5625
Epoch 125: val_loss did not improve from 0.61382
11/11 [=====] - 0s 9ms/step - loss: 0.6314 - accuracy: 0.
5833 - val_loss: 0.6148 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 126/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6739 - accuracy: 0.4375
Epoch 126: val_loss improved from 0.61382 to 0.61230, saving model to tmp/Weights-
126--0.61230.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6308 - accuracy:
0.5718 - val_loss: 0.6123 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 127/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5854 - accuracy: 0.7188
Epoch 127: val_loss did not improve from 0.61230
11/11 [=====] - 0s 8ms/step - loss: 0.6284 - accuracy: 0.
6006 - val_loss: 0.6125 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 128/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6652 - accuracy: 0.5000
Epoch 128: val_loss did not improve from 0.61230
11/11 [=====] - 0s 8ms/step - loss: 0.6292 - accuracy: 0.
5862 - val_loss: 0.6134 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 129/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6170 - accuracy: 0.6875
Epoch 129: val_loss improved from 0.61230 to 0.60942, saving model to tmp/Weights-129--0.60942.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6283 - accuracy: 0.
5718 - val_loss: 0.6094 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 130/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6254 - accuracy: 0.4688
Epoch 130: val_loss improved from 0.60942 to 0.60646, saving model to tmp/Weights-130--0.60646.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6300 - accuracy: 0.
6034 - val_loss: 0.6065 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 131/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6086 - accuracy: 0.6875
Epoch 131: val_loss did not improve from 0.60646
11/11 [=====] - 0s 9ms/step - loss: 0.6277 - accuracy: 0.
6063 - val_loss: 0.6082 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 132/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6164 - accuracy: 0.6875
Epoch 132: val_loss improved from 0.60646 to 0.60558, saving model to tmp/Weights-132--0.60558.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6268 - accuracy: 0.
5891 - val_loss: 0.6056 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 133/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6380 - accuracy: 0.5312
Epoch 133: val_loss did not improve from 0.60558
11/11 [=====] - 0s 9ms/step - loss: 0.6243 - accuracy: 0.
5833 - val_loss: 0.6059 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 134/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6253 - accuracy: 0.6250
Epoch 134: val_loss improved from 0.60558 to 0.60368, saving model to tmp/Weights-134--0.60368.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6262 - accuracy: 0.
5948 - val_loss: 0.6037 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 135/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6348 - accuracy: 0.5625
Epoch 135: val_loss did not improve from 0.60368
11/11 [=====] - 0s 8ms/step - loss: 0.6245 - accuracy: 0.
6063 - val_loss: 0.6071 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 136/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6397 - accuracy: 0.5625
Epoch 136: val_loss did not improve from 0.60368
11/11 [=====] - 0s 8ms/step - loss: 0.6258 - accuracy: 0.
6121 - val_loss: 0.6062 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 137/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6293 - accuracy: 0.6250
Epoch 137: val_loss did not improve from 0.60368
11/11 [=====] - 0s 10ms/step - loss: 0.6256 - accuracy: 0.
6092 - val_loss: 0.6084 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 138/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6883 - accuracy: 0.5000
Epoch 138: val_loss did not improve from 0.60368
11/11 [=====] - 0s 9ms/step - loss: 0.6257 - accuracy: 0.
6236 - val_loss: 0.6069 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 139/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6533 - accuracy: 0.5000
Epoch 139: val_loss improved from 0.60368 to 0.60008, saving model to tmp/Weights-139--0.60008.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6228 - accuracy: 0.5920 - val_loss: 0.6001 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 140/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6215 - accuracy: 0.6562
Epoch 140: val_loss did not improve from 0.60008
11/11 [=====] - 0s 8ms/step - loss: 0.6256 - accuracy: 0.5891 - val_loss: 0.6021 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 141/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6352 - accuracy: 0.6250
Epoch 141: val_loss did not improve from 0.60008
11/11 [=====] - 0s 8ms/step - loss: 0.6211 - accuracy: 0.6063 - val_loss: 0.6010 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 142/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6117 - accuracy: 0.5938
Epoch 142: val_loss improved from 0.60008 to 0.59964, saving model to tmp/Weights-142--0.59964.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6199 - accuracy: 0.6006 - val_loss: 0.5996 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 143/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6322 - accuracy: 0.5625
Epoch 143: val_loss improved from 0.59964 to 0.59727, saving model to tmp/Weights-143--0.59727.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6238 - accuracy: 0.6293 - val_loss: 0.5973 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 144/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6107 - accuracy: 0.6250
Epoch 144: val_loss did not improve from 0.59727
11/11 [=====] - 0s 8ms/step - loss: 0.6193 - accuracy: 0.6236 - val_loss: 0.6032 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 145/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5519 - accuracy: 0.8125
Epoch 145: val_loss did not improve from 0.59727
11/11 [=====] - 0s 8ms/step - loss: 0.6211 - accuracy: 0.6149 - val_loss: 0.5987 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 146/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6339 - accuracy: 0.6562
Epoch 146: val_loss improved from 0.59727 to 0.59495, saving model to tmp/Weights-146--0.59495.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6205 - accuracy: 0.6063 - val_loss: 0.5950 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 147/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5801 - accuracy: 0.6875
Epoch 147: val_loss did not improve from 0.59495
11/11 [=====] - 0s 8ms/step - loss: 0.6183 - accuracy: 0.5891 - val_loss: 0.6053 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 148/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6197 - accuracy: 0.6875
Epoch 148: val_loss did not improve from 0.59495
11/11 [=====] - 0s 8ms/step - loss: 0.6177 - accuracy: 0.6149 - val_loss: 0.6025 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 149/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6558 - accuracy: 0.6250
Epoch 149: val_loss did not improve from 0.59495
11/11 [=====] - 0s 9ms/step - loss: 0.6187 - accuracy: 0.5920 - val_loss: 0.5987 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 150/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6346 - accuracy: 0.5625
Epoch 150: val_loss did not improve from 0.59495
11/11 [=====] - 0s 9ms/step - loss: 0.6178 - accuracy: 0.5862 - val_loss: 0.6011 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 151/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6538 - accuracy: 0.5312
Epoch 151: val_loss did not improve from 0.59495
11/11 [=====] - 0s 8ms/step - loss: 0.6182 - accuracy: 0.
5977 - val_loss: 0.5988 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 152/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5957 - accuracy: 0.5938
Epoch 152: val_loss did not improve from 0.59495
11/11 [=====] - 0s 8ms/step - loss: 0.6206 - accuracy: 0.
5920 - val_loss: 0.6017 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 153/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6220 - accuracy: 0.6562
Epoch 153: val_loss did not improve from 0.59495
11/11 [=====] - 0s 10ms/step - loss: 0.6171 - accuracy: 0.
6063 - val_loss: 0.5954 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 154/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6131 - accuracy: 0.6250
Epoch 154: val_loss improved from 0.59495 to 0.59437, saving model to tmp/Weights-
154--0.59437.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6175 - accuracy: 0.
5977 - val_loss: 0.5944 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 155/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6543 - accuracy: 0.5625
Epoch 155: val_loss did not improve from 0.59437
11/11 [=====] - 0s 9ms/step - loss: 0.6164 - accuracy: 0.
5891 - val_loss: 0.5962 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 156/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6583 - accuracy: 0.5000
Epoch 156: val_loss improved from 0.59437 to 0.59020, saving model to tmp/Weights-
156--0.59020.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6151 - accuracy: 0.
6034 - val_loss: 0.5902 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 157/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5473 - accuracy: 0.7500
Epoch 157: val_loss did not improve from 0.59020
11/11 [=====] - 0s 9ms/step - loss: 0.6148 - accuracy: 0.
5948 - val_loss: 0.5927 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 158/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5724 - accuracy: 0.6562
Epoch 158: val_loss did not improve from 0.59020
11/11 [=====] - 0s 9ms/step - loss: 0.6151 - accuracy: 0.
6092 - val_loss: 0.5988 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 159/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5638 - accuracy: 0.7188
Epoch 159: val_loss did not improve from 0.59020
11/11 [=====] - 0s 9ms/step - loss: 0.6158 - accuracy: 0.
5862 - val_loss: 0.5926 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 160/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5338 - accuracy: 0.7500
Epoch 160: val_loss did not improve from 0.59020
11/11 [=====] - 0s 8ms/step - loss: 0.6143 - accuracy: 0.
5977 - val_loss: 0.5931 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 161/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6307 - accuracy: 0.5000
Epoch 161: val_loss did not improve from 0.59020
11/11 [=====] - 0s 9ms/step - loss: 0.6143 - accuracy: 0.
6063 - val_loss: 0.5910 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 162/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6322 - accuracy: 0.5312
Epoch 162: val_loss did not improve from 0.59020
11/11 [=====] - 0s 9ms/step - loss: 0.6124 - accuracy: 0.
6006 - val_loss: 0.5908 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 163/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5257 - accuracy: 0.7500
Epoch 163: val_loss improved from 0.59020 to 0.58961, saving model to tmp/Weights-
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163--0.58961.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6154 - accuracy: 0.5920 - val_loss: 0.5896 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 164/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6638 - accuracy: 0.4688
Epoch 164: val_loss did not improve from 0.58961
11/11 [=====] - 0s 9ms/step - loss: 0.6160 - accuracy: 0.5977 - val_loss: 0.5902 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 165/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5590 - accuracy: 0.6250
Epoch 165: val_loss did not improve from 0.58961
11/11 [=====] - 0s 8ms/step - loss: 0.6146 - accuracy: 0.5948 - val_loss: 0.5957 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 166/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6424 - accuracy: 0.5938
Epoch 166: val_loss did not improve from 0.58961
11/11 [=====] - 0s 8ms/step - loss: 0.6134 - accuracy: 0.6006 - val_loss: 0.5932 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 167/1000
11/11 [=====] - ETA: 0s - loss: 0.6131 - accuracy: 0.6092
Epoch 167: val_loss improved from 0.58961 to 0.58906, saving model to tmp/Weights-167--0.58906.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6131 - accuracy: 0.6092 - val_loss: 0.5891 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 168/1000
9/11 [=====>.....] - ETA: 0s - loss: 0.6126 - accuracy: 0.5938
Epoch 168: val_loss did not improve from 0.58906
11/11 [=====] - 0s 11ms/step - loss: 0.6115 - accuracy: 0.5977 - val_loss: 0.5948 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 169/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6116 - accuracy: 0.6562
Epoch 169: val_loss did not improve from 0.58906
11/11 [=====] - 0s 8ms/step - loss: 0.6131 - accuracy: 0.5891 - val_loss: 0.5893 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 170/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5814 - accuracy: 0.6875
Epoch 170: val_loss improved from 0.58906 to 0.58854, saving model to tmp/Weights-170--0.58854.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6119 - accuracy: 0.6034 - val_loss: 0.5885 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 171/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5312 - accuracy: 0.7188
Epoch 171: val_loss improved from 0.58854 to 0.58562, saving model to tmp/Weights-171--0.58562.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6116 - accuracy: 0.5891 - val_loss: 0.5856 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 172/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6241 - accuracy: 0.5000
Epoch 172: val_loss did not improve from 0.58562
11/11 [=====] - 0s 9ms/step - loss: 0.6118 - accuracy: 0.5920 - val_loss: 0.5942 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 173/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5799 - accuracy: 0.5938
Epoch 173: val_loss did not improve from 0.58562
11/11 [=====] - 0s 8ms/step - loss: 0.6140 - accuracy: 0.6379 - val_loss: 0.5985 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 174/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6270 - accuracy: 0.5938
Epoch 174: val_loss improved from 0.58562 to 0.58461, saving model to tmp/Weights-174--0.58461.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6099 - accuracy: 0.6149 - val_loss: 0.5846 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 175/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5854 - accuracy: 0.4688
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Epoch 175: val_loss did not improve from 0.58461
11/11 [=====] - 0s 10ms/step - loss: 0.6114 - accuracy: 0.6236 - val_loss: 0.5920 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 176/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6744 - accuracy: 0.5000
Epoch 176: val_loss did not improve from 0.58461
11/11 [=====] - 0s 9ms/step - loss: 0.6124 - accuracy: 0.6293 - val_loss: 0.5898 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 177/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6374 - accuracy: 0.5938
Epoch 177: val_loss did not improve from 0.58461
11/11 [=====] - 0s 10ms/step - loss: 0.6108 - accuracy: 0.6034 - val_loss: 0.5936 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 178/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5983 - accuracy: 0.5938
Epoch 178: val_loss did not improve from 0.58461
11/11 [=====] - 0s 9ms/step - loss: 0.6124 - accuracy: 0.6034 - val_loss: 0.5906 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 179/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6959 - accuracy: 0.4062
Epoch 179: val_loss did not improve from 0.58461
11/11 [=====] - 0s 9ms/step - loss: 0.6091 - accuracy: 0.6092 - val_loss: 0.5903 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 180/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5889 - accuracy: 0.6250
Epoch 180: val_loss did not improve from 0.58461
11/11 [=====] - 0s 9ms/step - loss: 0.6117 - accuracy: 0.6264 - val_loss: 0.5918 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 181/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6795 - accuracy: 0.5312
Epoch 181: val_loss improved from 0.58461 to 0.58352, saving model to tmp/Weights-181--0.58352.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6095 - accuracy: 0.6034 - val_loss: 0.5835 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 182/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6674 - accuracy: 0.5938
Epoch 182: val_loss did not improve from 0.58352
11/11 [=====] - 0s 9ms/step - loss: 0.6111 - accuracy: 0.5862 - val_loss: 0.5995 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 183/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6605 - accuracy: 0.5312
Epoch 183: val_loss did not improve from 0.58352
11/11 [=====] - 0s 9ms/step - loss: 0.6106 - accuracy: 0.5920 - val_loss: 0.5846 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 184/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6453 - accuracy: 0.5000
Epoch 184: val_loss did not improve from 0.58352
11/11 [=====] - 0s 10ms/step - loss: 0.6092 - accuracy: 0.6034 - val_loss: 0.5862 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 185/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6710 - accuracy: 0.5000
Epoch 185: val_loss improved from 0.58352 to 0.57888, saving model to tmp/Weights-185--0.57888.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6088 - accuracy: 0.6006 - val_loss: 0.5789 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 186/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5951 - accuracy: 0.5938
Epoch 186: val_loss did not improve from 0.57888
11/11 [=====] - 0s 9ms/step - loss: 0.6060 - accuracy: 0.5977 - val_loss: 0.5825 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 187/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6023 - accuracy: 0.6250
Epoch 187: val_loss improved from 0.57888 to 0.57845, saving model to tmp/Weights-187--0.57845.hdf5
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11/11 [=====] - 0s 11ms/step - loss: 0.6081 - accuracy: 0.6063 - val_loss: 0.5785 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 188/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5953 - accuracy: 0.6562
Epoch 188: val_loss did not improve from 0.57845
11/11 [=====] - 0s 8ms/step - loss: 0.6070 - accuracy: 0.5948 - val_loss: 0.5802 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 189/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5872 - accuracy: 0.6250
Epoch 189: val_loss did not improve from 0.57845
11/11 [=====] - 0s 8ms/step - loss: 0.6098 - accuracy: 0.6264 - val_loss: 0.5844 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 190/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6123 - accuracy: 0.5938
Epoch 190: val_loss improved from 0.57845 to 0.57705, saving model to tmp/Weights-190--0.57705.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6102 - accuracy: 0.5920 - val_loss: 0.5771 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 191/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5681 - accuracy: 0.6875
Epoch 191: val_loss did not improve from 0.57705
11/11 [=====] - 0s 8ms/step - loss: 0.6082 - accuracy: 0.5948 - val_loss: 0.5837 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 192/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5753 - accuracy: 0.7188
Epoch 192: val_loss did not improve from 0.57705
11/11 [=====] - 0s 8ms/step - loss: 0.6082 - accuracy: 0.6034 - val_loss: 0.5795 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 193/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6539 - accuracy: 0.5000
Epoch 193: val_loss improved from 0.57705 to 0.57640, saving model to tmp/Weights-193--0.57640.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6099 - accuracy: 0.6034 - val_loss: 0.5764 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 194/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6204 - accuracy: 0.6562
Epoch 194: val_loss did not improve from 0.57640
11/11 [=====] - 0s 9ms/step - loss: 0.6055 - accuracy: 0.6006 - val_loss: 0.5813 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 195/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6648 - accuracy: 0.5312
Epoch 195: val_loss improved from 0.57640 to 0.57405, saving model to tmp/Weights-195--0.57405.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6070 - accuracy: 0.6149 - val_loss: 0.5740 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 196/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6409 - accuracy: 0.4688
Epoch 196: val_loss did not improve from 0.57405
11/11 [=====] - 0s 9ms/step - loss: 0.6063 - accuracy: 0.5948 - val_loss: 0.5755 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 197/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6397 - accuracy: 0.5000
Epoch 197: val_loss did not improve from 0.57405
11/11 [=====] - 0s 8ms/step - loss: 0.6061 - accuracy: 0.6034 - val_loss: 0.5842 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 198/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6283 - accuracy: 0.4688
Epoch 198: val_loss did not improve from 0.57405
11/11 [=====] - 0s 9ms/step - loss: 0.6076 - accuracy: 0.5891 - val_loss: 0.5788 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 199/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6244 - accuracy: 0.5625
Epoch 199: val_loss did not improve from 0.57405
11/11 [=====] - 0s 10ms/step - loss: 0.6053 - accuracy:
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0.6207 - val_loss: 0.5804 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 200/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5915 - accuracy: 0.6875
Epoch 200: val_loss did not improve from 0.57405
11/11 [=====] - 0s 9ms/step - loss: 0.6049 - accuracy: 0.
6121 - val_loss: 0.5752 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 201/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6193 - accuracy: 0.6562
Epoch 201: val_loss did not improve from 0.57405
11/11 [=====] - 0s 8ms/step - loss: 0.6042 - accuracy: 0.
6236 - val_loss: 0.5773 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 202/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6206 - accuracy: 0.5625
Epoch 202: val_loss improved from 0.57405 to 0.57400, saving model to tmp/Weights-
202--0.57400.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6080 - accuracy:
0.6006 - val_loss: 0.5740 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 203/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5561 - accuracy: 0.7188
Epoch 203: val_loss did not improve from 0.57400
11/11 [=====] - 0s 8ms/step - loss: 0.6052 - accuracy: 0.
6006 - val_loss: 0.5759 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 204/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6234 - accuracy: 0.5312
Epoch 204: val_loss improved from 0.57400 to 0.57154, saving model to tmp/Weights-
204--0.57154.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6044 - accuracy:
0.6034 - val_loss: 0.5715 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 205/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5912 - accuracy: 0.6875
Epoch 205: val_loss did not improve from 0.57154
11/11 [=====] - 0s 9ms/step - loss: 0.6044 - accuracy: 0.
5948 - val_loss: 0.5766 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 206/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5522 - accuracy: 0.7812
Epoch 206: val_loss did not improve from 0.57154
11/11 [=====] - 0s 9ms/step - loss: 0.6053 - accuracy: 0.
6063 - val_loss: 0.5753 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 207/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6790 - accuracy: 0.4375
Epoch 207: val_loss did not improve from 0.57154
11/11 [=====] - 0s 9ms/step - loss: 0.6059 - accuracy: 0.
5805 - val_loss: 0.5904 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 208/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5812 - accuracy: 0.6562
Epoch 208: val_loss did not improve from 0.57154
11/11 [=====] - 0s 9ms/step - loss: 0.6045 - accuracy: 0.
6092 - val_loss: 0.5801 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 209/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6081 - accuracy: 0.7812
Epoch 209: val_loss improved from 0.57154 to 0.57005, saving model to tmp/Weights-
209--0.57005.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6029 - accuracy:
0.6063 - val_loss: 0.5701 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 210/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6371 - accuracy: 0.5312
Epoch 210: val_loss improved from 0.57005 to 0.56930, saving model to tmp/Weights-
210--0.56930.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6025 - accuracy:
0.5977 - val_loss: 0.5693 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 211/1000
10/11 [======>...] - ETA: 0s - loss: 0.6020 - accuracy: 0.5969
Epoch 211: val_loss did not improve from 0.56930
11/11 [=====] - 0s 10ms/step - loss: 0.6043 - accuracy:
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0.5891 - val_loss: 0.5734 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 212/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6206 - accuracy: 0.5938
Epoch 212: val_loss did not improve from 0.56930
11/11 [=====] - 0s 8ms/step - loss: 0.6025 - accuracy: 0.
6034 - val_loss: 0.5736 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 213/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6841 - accuracy: 0.5000
Epoch 213: val_loss did not improve from 0.56930
11/11 [=====] - 0s 9ms/step - loss: 0.6021 - accuracy: 0.
6006 - val_loss: 0.5740 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 214/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6121 - accuracy: 0.5000
Epoch 214: val_loss improved from 0.56930 to 0.56838, saving model to tmp/Weights-
214--0.56838.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6004 - accuracy:
0.5977 - val_loss: 0.5684 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 215/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5171 - accuracy: 0.7188
Epoch 215: val_loss did not improve from 0.56838
11/11 [=====] - 0s 8ms/step - loss: 0.5997 - accuracy: 0.
5977 - val_loss: 0.5782 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 216/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6165 - accuracy: 0.5938
Epoch 216: val_loss did not improve from 0.56838
11/11 [=====] - 0s 8ms/step - loss: 0.5999 - accuracy: 0.
6063 - val_loss: 0.5706 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 217/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6486 - accuracy: 0.5625
Epoch 217: val_loss did not improve from 0.56838
11/11 [=====] - 0s 10ms/step - loss: 0.5994 - accuracy:
0.5977 - val_loss: 0.5711 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 218/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6531 - accuracy: 0.5625
Epoch 218: val_loss did not improve from 0.56838
11/11 [=====] - 0s 9ms/step - loss: 0.6000 - accuracy: 0.
6149 - val_loss: 0.5716 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 219/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6248 - accuracy: 0.5000
Epoch 219: val_loss did not improve from 0.56838
11/11 [=====] - 0s 9ms/step - loss: 0.6032 - accuracy: 0.
5948 - val_loss: 0.5762 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 220/1000
9/11 [======>....] - ETA: 0s - loss: 0.5946 - accuracy: 0.6042
Epoch 220: val_loss did not improve from 0.56838
11/11 [=====] - 0s 11ms/step - loss: 0.6004 - accuracy:
0.5948 - val_loss: 0.5701 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 221/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5781 - accuracy: 0.5938
Epoch 221: val_loss did not improve from 0.56838
11/11 [=====] - 0s 8ms/step - loss: 0.5996 - accuracy: 0.
6149 - val_loss: 0.5717 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 222/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6296 - accuracy: 0.6562
Epoch 222: val_loss improved from 0.56838 to 0.56415, saving model to tmp/Weights-
222--0.56415.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5973 - accuracy:
0.6121 - val_loss: 0.5641 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 223/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5832 - accuracy: 0.6562
Epoch 223: val_loss did not improve from 0.56415
11/11 [=====] - 0s 8ms/step - loss: 0.5987 - accuracy: 0.
6121 - val_loss: 0.5721 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 224/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5970 - accuracy: 0.5938
Epoch 224: val_loss did not improve from 0.56415
11/11 [=====] - 0s 8ms/step - loss: 0.6017 - accuracy: 0.
6207 - val_loss: 0.5704 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 225/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5742 - accuracy: 0.5938
Epoch 225: val_loss did not improve from 0.56415
11/11 [=====] - 0s 8ms/step - loss: 0.6006 - accuracy: 0.
6207 - val_loss: 0.5722 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 226/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6239 - accuracy: 0.5312
Epoch 226: val_loss did not improve from 0.56415
11/11 [=====] - 0s 8ms/step - loss: 0.5992 - accuracy: 0.
6092 - val_loss: 0.5727 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 227/1000
11/11 [=====] - ETA: 0s - loss: 0.6027 - accuracy: 0.6006
Epoch 227: val_loss did not improve from 0.56415
11/11 [=====] - 0s 10ms/step - loss: 0.6027 - accuracy:
0.6006 - val_loss: 0.5774 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 228/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5230 - accuracy: 0.6875
Epoch 228: val_loss did not improve from 0.56415
11/11 [=====] - 0s 8ms/step - loss: 0.5977 - accuracy: 0.
6006 - val_loss: 0.5734 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 229/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6703 - accuracy: 0.5312
Epoch 229: val_loss did not improve from 0.56415
11/11 [=====] - 0s 9ms/step - loss: 0.5990 - accuracy: 0.
6351 - val_loss: 0.5746 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 230/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6167 - accuracy: 0.5938
Epoch 230: val_loss improved from 0.56415 to 0.56324, saving model to tmp/Weights-
230--0.56324.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6032 - accuracy:
0.6207 - val_loss: 0.5632 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 231/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6136 - accuracy: 0.6562
Epoch 231: val_loss did not improve from 0.56324
11/11 [=====] - 0s 9ms/step - loss: 0.5965 - accuracy: 0.
6121 - val_loss: 0.5713 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 232/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5773 - accuracy: 0.6875
Epoch 232: val_loss did not improve from 0.56324
11/11 [=====] - 0s 9ms/step - loss: 0.5984 - accuracy: 0.
6408 - val_loss: 0.5848 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 233/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5169 - accuracy: 0.7188
Epoch 233: val_loss did not improve from 0.56324
11/11 [=====] - 0s 8ms/step - loss: 0.5954 - accuracy: 0.
6178 - val_loss: 0.5677 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 234/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5927 - accuracy: 0.6875
Epoch 234: val_loss did not improve from 0.56324
11/11 [=====] - 0s 9ms/step - loss: 0.5971 - accuracy: 0.
5920 - val_loss: 0.5736 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 235/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6176 - accuracy: 0.6250
Epoch 235: val_loss did not improve from 0.56324
11/11 [=====] - 0s 8ms/step - loss: 0.5966 - accuracy: 0.
5977 - val_loss: 0.5752 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 236/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6414 - accuracy: 0.6250
Epoch 236: val_loss did not improve from 0.56324
11/11 [=====] - 0s 9ms/step - loss: 0.5965 - accuracy: 0.
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6121 - val_loss: 0.5684 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 237/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5779 - accuracy: 0.6562
Epoch 237: val_loss did not improve from 0.56324
11/11 [=====] - 0s 9ms/step - loss: 0.5977 - accuracy: 0.
6063 - val_loss: 0.5757 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 238/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6790 - accuracy: 0.4375
Epoch 238: val_loss did not improve from 0.56324
11/11 [=====] - 0s 8ms/step - loss: 0.5982 - accuracy: 0.
5833 - val_loss: 0.6014 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 239/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6403 - accuracy: 0.5938
Epoch 239: val_loss did not improve from 0.56324
11/11 [=====] - 0s 9ms/step - loss: 0.6062 - accuracy: 0.
6006 - val_loss: 0.5665 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 240/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5168 - accuracy: 0.6875
Epoch 240: val_loss did not improve from 0.56324
11/11 [=====] - 0s 8ms/step - loss: 0.6056 - accuracy: 0.
6034 - val_loss: 0.5977 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 241/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6667 - accuracy: 0.5000
Epoch 241: val_loss did not improve from 0.56324
11/11 [=====] - 0s 9ms/step - loss: 0.5964 - accuracy: 0.
6063 - val_loss: 0.5726 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 242/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6371 - accuracy: 0.5938
Epoch 242: val_loss did not improve from 0.56324
11/11 [=====] - 0s 8ms/step - loss: 0.5958 - accuracy: 0.
5948 - val_loss: 0.5674 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 243/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5661 - accuracy: 0.5938
Epoch 243: val_loss did not improve from 0.56324
11/11 [=====] - 0s 8ms/step - loss: 0.5952 - accuracy: 0.
5920 - val_loss: 0.5664 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 244/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5619 - accuracy: 0.5625
Epoch 244: val_loss did not improve from 0.56324
11/11 [=====] - 0s 9ms/step - loss: 0.5963 - accuracy: 0.
6351 - val_loss: 0.5725 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 245/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5094 - accuracy: 0.7500
Epoch 245: val_loss did not improve from 0.56324
11/11 [=====] - 0s 9ms/step - loss: 0.5958 - accuracy: 0.
6063 - val_loss: 0.5671 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 246/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5933 - accuracy: 0.6250
Epoch 246: val_loss did not improve from 0.56324
11/11 [=====] - 0s 9ms/step - loss: 0.5944 - accuracy: 0.
5920 - val_loss: 0.5648 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 247/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5663 - accuracy: 0.6562
Epoch 247: val_loss did not improve from 0.56324
11/11 [=====] - 0s 8ms/step - loss: 0.5933 - accuracy: 0.
6236 - val_loss: 0.5703 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 248/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6172 - accuracy: 0.5625
Epoch 248: val_loss improved from 0.56324 to 0.56225, saving model to tmp/Weights-
248--0.56225.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5940 - accuracy:
0.6121 - val_loss: 0.5622 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 249/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5522 - accuracy: 0.5938
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Epoch 249: val_loss did not improve from 0.56225
11/11 [=====] - 0s 9ms/step - loss: 0.5928 - accuracy: 0.
6034 - val_loss: 0.5650 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 250/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6147 - accuracy: 0.5312
Epoch 250: val_loss did not improve from 0.56225
11/11 [=====] - 0s 9ms/step - loss: 0.5932 - accuracy: 0.
6063 - val_loss: 0.5644 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 251/1000
11/11 [=====] - ETA: 0s - loss: 0.5926 - accuracy: 0.6092
Epoch 251: val_loss did not improve from 0.56225
11/11 [=====] - 0s 10ms/step - loss: 0.5926 - accuracy:
0.6092 - val_loss: 0.5687 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 252/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5935 - accuracy: 0.6250
Epoch 252: val_loss improved from 0.56225 to 0.56105, saving model to tmp/Weights-
252--0.56105.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5937 - accuracy:
0.6121 - val_loss: 0.5610 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 253/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6320 - accuracy: 0.5312
Epoch 253: val_loss did not improve from 0.56105
11/11 [=====] - 0s 9ms/step - loss: 0.5935 - accuracy: 0.
6178 - val_loss: 0.5657 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 254/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5076 - accuracy: 0.6875
Epoch 254: val_loss improved from 0.56105 to 0.55917, saving model to tmp/Weights-
254--0.55917.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5928 - accuracy:
0.6063 - val_loss: 0.5592 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 255/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5357 - accuracy: 0.6562
Epoch 255: val_loss did not improve from 0.55917
11/11 [=====] - 0s 9ms/step - loss: 0.5928 - accuracy: 0.
6034 - val_loss: 0.5702 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 256/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6125 - accuracy: 0.5625
Epoch 256: val_loss did not improve from 0.55917
11/11 [=====] - 0s 8ms/step - loss: 0.5945 - accuracy: 0.
6178 - val_loss: 0.5631 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 257/1000
9/11 [======>.....] - ETA: 0s - loss: 0.5982 - accuracy: 0.6181
Epoch 257: val_loss did not improve from 0.55917
11/11 [=====] - 0s 11ms/step - loss: 0.5936 - accuracy:
0.6178 - val_loss: 0.5632 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 258/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6445 - accuracy: 0.4375
Epoch 258: val_loss did not improve from 0.55917
11/11 [=====] - 0s 9ms/step - loss: 0.5917 - accuracy: 0.
6006 - val_loss: 0.5612 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 259/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5336 - accuracy: 0.6562
Epoch 259: val_loss did not improve from 0.55917
11/11 [=====] - 0s 9ms/step - loss: 0.5936 - accuracy: 0.
5891 - val_loss: 0.5686 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 260/1000
11/11 [=====] - ETA: 0s - loss: 0.5935 - accuracy: 0.6236
Epoch 260: val_loss did not improve from 0.55917
11/11 [=====] - 0s 11ms/step - loss: 0.5935 - accuracy:
0.6236 - val_loss: 0.5630 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 261/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5356 - accuracy: 0.6875
Epoch 261: val_loss did not improve from 0.55917
11/11 [=====] - 0s 8ms/step - loss: 0.5991 - accuracy: 0.
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5862 - val_loss: 0.5690 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 262/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5915 - accuracy: 0.6250
Epoch 262: val_loss did not improve from 0.55917
11/11 [=====] - 0s 9ms/step - loss: 0.5951 - accuracy: 0.
6236 - val_loss: 0.5701 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 263/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6189 - accuracy: 0.6562
Epoch 263: val_loss did not improve from 0.55917
11/11 [=====] - 0s 9ms/step - loss: 0.5983 - accuracy: 0.
6149 - val_loss: 0.5622 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 264/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5662 - accuracy: 0.5312
Epoch 264: val_loss did not improve from 0.55917
11/11 [=====] - 0s 9ms/step - loss: 0.5930 - accuracy: 0.
5977 - val_loss: 0.5652 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 265/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6212 - accuracy: 0.5625
Epoch 265: val_loss did not improve from 0.55917
11/11 [=====] - 0s 8ms/step - loss: 0.5905 - accuracy: 0.
6264 - val_loss: 0.5643 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 266/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5652 - accuracy: 0.6562
Epoch 266: val_loss did not improve from 0.55917
11/11 [=====] - 0s 8ms/step - loss: 0.5945 - accuracy: 0.
6236 - val_loss: 0.5594 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 267/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4739 - accuracy: 0.7188
Epoch 267: val_loss did not improve from 0.55917
11/11 [=====] - 0s 8ms/step - loss: 0.5935 - accuracy: 0.
6149 - val_loss: 0.5812 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 268/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5824 - accuracy: 0.6562
Epoch 268: val_loss did not improve from 0.55917
11/11 [=====] - 0s 9ms/step - loss: 0.5923 - accuracy: 0.
6207 - val_loss: 0.5611 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 269/1000
11/11 [=====] - ETA: 0s - loss: 0.5907 - accuracy: 0.6034
Epoch 269: val_loss did not improve from 0.55917
11/11 [=====] - 0s 10ms/step - loss: 0.5907 - accuracy:
0.6034 - val_loss: 0.5611 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 270/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6685 - accuracy: 0.5000
Epoch 270: val_loss did not improve from 0.55917
11/11 [=====] - 0s 9ms/step - loss: 0.5921 - accuracy: 0.
6034 - val_loss: 0.5724 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 271/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6130 - accuracy: 0.5312
Epoch 271: val_loss did not improve from 0.55917
11/11 [=====] - 0s 9ms/step - loss: 0.5926 - accuracy: 0.
6092 - val_loss: 0.5644 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 272/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4692 - accuracy: 0.7188
Epoch 272: val_loss did not improve from 0.55917
11/11 [=====] - 0s 9ms/step - loss: 0.5965 - accuracy: 0.
6236 - val_loss: 0.5691 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 273/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5251 - accuracy: 0.6875
Epoch 273: val_loss improved from 0.55917 to 0.55860, saving model to tmp/Weights-
273--0.55860.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.5945 - accuracy:
0.6149 - val_loss: 0.5586 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 274/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6037 - accuracy: 0.5938
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Epoch 274: val_loss did not improve from 0.55860
11/11 [=====] - 0s 9ms/step - loss: 0.5927 - accuracy: 0.
5948 - val_loss: 0.5595 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 275/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6283 - accuracy: 0.5312
Epoch 275: val_loss did not improve from 0.55860
11/11 [=====] - 0s 9ms/step - loss: 0.5915 - accuracy: 0.
6092 - val_loss: 0.5601 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 276/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5422 - accuracy: 0.7500
Epoch 276: val_loss improved from 0.55860 to 0.55550, saving model to tmp/Weights-
276--0.55550.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5919 - accuracy:
0.6063 - val_loss: 0.5555 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 277/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5874 - accuracy: 0.5938
Epoch 277: val_loss did not improve from 0.55550
11/11 [=====] - 0s 9ms/step - loss: 0.5902 - accuracy: 0.
6121 - val_loss: 0.5603 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 278/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5932 - accuracy: 0.6156
Epoch 278: val_loss did not improve from 0.55550
11/11 [=====] - 0s 11ms/step - loss: 0.5929 - accuracy:
0.6121 - val_loss: 0.5583 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 279/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5717 - accuracy: 0.6562
Epoch 279: val_loss did not improve from 0.55550
11/11 [=====] - 0s 11ms/step - loss: 0.5913 - accuracy:
0.6092 - val_loss: 0.5625 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 280/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5510 - accuracy: 0.6875
Epoch 280: val_loss did not improve from 0.55550
11/11 [=====] - 0s 9ms/step - loss: 0.5891 - accuracy: 0.
6236 - val_loss: 0.5603 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 281/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6636 - accuracy: 0.5312
Epoch 281: val_loss improved from 0.55550 to 0.55533, saving model to tmp/Weights-
281--0.55533.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5909 - accuracy:
0.5948 - val_loss: 0.5553 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 282/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6080 - accuracy: 0.5625
Epoch 282: val_loss did not improve from 0.55533
11/11 [=====] - 0s 9ms/step - loss: 0.5888 - accuracy: 0.
6149 - val_loss: 0.5575 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 283/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5312 - accuracy: 0.7188
Epoch 283: val_loss did not improve from 0.55533
11/11 [=====] - 0s 10ms/step - loss: 0.5900 - accuracy:
0.6034 - val_loss: 0.5597 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 284/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5401 - accuracy: 0.7500
Epoch 284: val_loss did not improve from 0.55533
11/11 [=====] - 0s 10ms/step - loss: 0.5888 - accuracy:
0.6207 - val_loss: 0.5583 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 285/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5921 - accuracy: 0.6062
Epoch 285: val_loss improved from 0.55533 to 0.55448, saving model to tmp/Weights-
285--0.55448.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.5889 - accuracy:
0.6092 - val_loss: 0.5545 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 286/1000
11/11 [=====] - ETA: 0s - loss: 0.5900 - accuracy: 0.5920
Epoch 286: val_loss did not improve from 0.55448
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11/11 [=====] - 0s 10ms/step - loss: 0.5900 - accuracy: 0.5920 - val_loss: 0.5651 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 287/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6267 - accuracy: 0.6562
Epoch 287: val_loss did not improve from 0.55448
11/11 [=====] - 0s 9ms/step - loss: 0.5903 - accuracy: 0.6178 - val_loss: 0.5599 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 288/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5332 - accuracy: 0.7500
Epoch 288: val_loss did not improve from 0.55448
11/11 [=====] - 0s 10ms/step - loss: 0.5923 - accuracy: 0.6293 - val_loss: 0.5606 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 289/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5414 - accuracy: 0.7188
Epoch 289: val_loss improved from 0.55448 to 0.55073, saving model to tmp/Weights-289--0.55073.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5924 - accuracy: 0.6149 - val_loss: 0.5507 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 290/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6587 - accuracy: 0.5938
Epoch 290: val_loss did not improve from 0.55073
11/11 [=====] - 0s 9ms/step - loss: 0.5954 - accuracy: 0.6264 - val_loss: 0.5591 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 291/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5233 - accuracy: 0.7812
Epoch 291: val_loss did not improve from 0.55073
11/11 [=====] - 0s 9ms/step - loss: 0.5878 - accuracy: 0.6207 - val_loss: 0.5630 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 292/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5943 - accuracy: 0.6562
Epoch 292: val_loss did not improve from 0.55073
11/11 [=====] - 0s 9ms/step - loss: 0.5903 - accuracy: 0.5977 - val_loss: 0.5544 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 293/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5884 - accuracy: 0.5625
Epoch 293: val_loss did not improve from 0.55073
11/11 [=====] - 0s 8ms/step - loss: 0.5916 - accuracy: 0.6092 - val_loss: 0.5547 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 294/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5692 - accuracy: 0.5938
Epoch 294: val_loss did not improve from 0.55073
11/11 [=====] - 0s 8ms/step - loss: 0.5898 - accuracy: 0.6092 - val_loss: 0.5619 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 295/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5772 - accuracy: 0.6562
Epoch 295: val_loss did not improve from 0.55073
11/11 [=====] - 0s 9ms/step - loss: 0.5883 - accuracy: 0.6092 - val_loss: 0.5548 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 296/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6230 - accuracy: 0.4375
Epoch 296: val_loss did not improve from 0.55073
11/11 [=====] - 0s 8ms/step - loss: 0.5890 - accuracy: 0.6149 - val_loss: 0.5558 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 297/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6155 - accuracy: 0.5312
Epoch 297: val_loss did not improve from 0.55073
11/11 [=====] - 0s 9ms/step - loss: 0.5911 - accuracy: 0.6121 - val_loss: 0.5552 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 298/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5909 - accuracy: 0.6094
Epoch 298: val_loss did not improve from 0.55073
11/11 [=====] - 0s 16ms/step - loss: 0.5911 - accuracy: 0.6121 - val_loss: 0.5591 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 299/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6478 - accuracy: 0.5000
Epoch 299: val_loss did not improve from 0.55073
11/11 [=====] - 0s 10ms/step - loss: 0.5890 - accuracy: 0.6063 - val_loss: 0.5863 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 300/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6236 - accuracy: 0.5625
Epoch 300: val_loss did not improve from 0.55073
11/11 [=====] - 0s 9ms/step - loss: 0.5924 - accuracy: 0.6034 - val_loss: 0.5703 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 301/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5300 - accuracy: 0.7812
Epoch 301: val_loss did not improve from 0.55073
11/11 [=====] - 0s 9ms/step - loss: 0.5899 - accuracy: 0.6149 - val_loss: 0.5774 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 302/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5719 - accuracy: 0.6250
Epoch 302: val_loss did not improve from 0.55073
11/11 [=====] - 0s 9ms/step - loss: 0.5871 - accuracy: 0.6236 - val_loss: 0.5645 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 303/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5944 - accuracy: 0.5938
Epoch 303: val_loss did not improve from 0.55073
11/11 [=====] - 0s 9ms/step - loss: 0.5908 - accuracy: 0.6092 - val_loss: 0.5550 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 304/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5666 - accuracy: 0.6562
Epoch 304: val_loss did not improve from 0.55073
11/11 [=====] - 0s 10ms/step - loss: 0.5891 - accuracy: 0.6351 - val_loss: 0.5624 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 305/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6199 - accuracy: 0.5000
Epoch 305: val_loss did not improve from 0.55073
11/11 [=====] - 0s 9ms/step - loss: 0.5896 - accuracy: 0.6006 - val_loss: 0.5533 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 306/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5319 - accuracy: 0.6250
Epoch 306: val_loss did not improve from 0.55073
11/11 [=====] - 0s 9ms/step - loss: 0.5894 - accuracy: 0.6264 - val_loss: 0.5606 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 307/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6350 - accuracy: 0.6250
Epoch 307: val_loss did not improve from 0.55073
11/11 [=====] - 0s 9ms/step - loss: 0.5857 - accuracy: 0.6178 - val_loss: 0.5524 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 308/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6036 - accuracy: 0.5312
Epoch 308: val_loss did not improve from 0.55073
11/11 [=====] - 0s 9ms/step - loss: 0.5874 - accuracy: 0.6063 - val_loss: 0.5550 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 309/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5817 - accuracy: 0.5625
Epoch 309: val_loss did not improve from 0.55073
11/11 [=====] - 0s 9ms/step - loss: 0.5864 - accuracy: 0.6149 - val_loss: 0.5607 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 310/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5893 - accuracy: 0.5938
Epoch 310: val_loss did not improve from 0.55073
11/11 [=====] - 0s 10ms/step - loss: 0.5850 - accuracy: 0.6178 - val_loss: 0.5588 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 311/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5690 - accuracy: 0.5625
Epoch 311: val_loss did not improve from 0.55073
11/11 [=====] - 0s 10ms/step - loss: 0.5855 - accuracy: 0.6121 - val_loss: 0.5568 - val_accuracy: 0.6133 - lr: 0.0090
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Epoch 312/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5682 - accuracy: 0.7188
Epoch 312: val_loss did not improve from 0.55073
11/11 [=====] - 0s 9ms/step - loss: 0.5870 - accuracy: 0.
6178 - val_loss: 0.5540 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 313/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6096 - accuracy: 0.7188
Epoch 313: val_loss did not improve from 0.55073
11/11 [=====] - 0s 9ms/step - loss: 0.5877 - accuracy: 0.
6063 - val_loss: 0.5508 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 314/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5568 - accuracy: 0.6250
Epoch 314: val_loss did not improve from 0.55073
11/11 [=====] - 0s 9ms/step - loss: 0.5860 - accuracy: 0.
6149 - val_loss: 0.5573 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 315/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5667 - accuracy: 0.6875
Epoch 315: val_loss did not improve from 0.55073
11/11 [=====] - 0s 9ms/step - loss: 0.5851 - accuracy: 0.
6322 - val_loss: 0.5554 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 316/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5439 - accuracy: 0.5625
Epoch 316: val_loss improved from 0.55073 to 0.54847, saving model to tmp/Weights-
316--0.54847.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5851 - accuracy:
0.6063 - val_loss: 0.5485 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 317/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5840 - accuracy: 0.5312
Epoch 317: val_loss did not improve from 0.54847
11/11 [=====] - 0s 10ms/step - loss: 0.5852 - accuracy:
0.6063 - val_loss: 0.5532 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 318/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5764 - accuracy: 0.6313
Epoch 318: val_loss did not improve from 0.54847
11/11 [=====] - 0s 10ms/step - loss: 0.5847 - accuracy:
0.6207 - val_loss: 0.5516 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 319/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5139 - accuracy: 0.7812
Epoch 319: val_loss did not improve from 0.54847
11/11 [=====] - 0s 9ms/step - loss: 0.5848 - accuracy: 0.
6207 - val_loss: 0.5538 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 320/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6212 - accuracy: 0.5938
Epoch 320: val_loss did not improve from 0.54847
11/11 [=====] - 0s 9ms/step - loss: 0.5854 - accuracy: 0.
6121 - val_loss: 0.5501 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 321/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5870 - accuracy: 0.5969
Epoch 321: val_loss did not improve from 0.54847
11/11 [=====] - 0s 10ms/step - loss: 0.5850 - accuracy:
0.5977 - val_loss: 0.5490 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 322/1000
11/11 [=====] - ETA: 0s - loss: 0.5861 - accuracy: 0.6264
Epoch 322: val_loss did not improve from 0.54847
11/11 [=====] - 0s 10ms/step - loss: 0.5861 - accuracy:
0.6264 - val_loss: 0.5528 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 323/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5528 - accuracy: 0.6562
Epoch 323: val_loss did not improve from 0.54847
11/11 [=====] - 0s 9ms/step - loss: 0.5843 - accuracy: 0.
6149 - val_loss: 0.5497 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 324/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5544 - accuracy: 0.5938
Epoch 324: val_loss did not improve from 0.54847
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11/11 [=====] - 0s 8ms/step - loss: 0.5858 - accuracy: 0.6092 - val_loss: 0.5577 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 325/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6188 - accuracy: 0.5312
Epoch 325: val_loss did not improve from 0.54847
11/11 [=====] - 0s 9ms/step - loss: 0.5859 - accuracy: 0.6236 - val_loss: 0.5532 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 326/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5475 - accuracy: 0.6875
Epoch 326: val_loss did not improve from 0.54847
11/11 [=====] - 0s 10ms/step - loss: 0.5858 - accuracy: 0.6121 - val_loss: 0.5550 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 327/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5547 - accuracy: 0.7500
Epoch 327: val_loss did not improve from 0.54847
11/11 [=====] - 0s 9ms/step - loss: 0.5855 - accuracy: 0.6092 - val_loss: 0.5526 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 328/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5474 - accuracy: 0.5625
Epoch 328: val_loss did not improve from 0.54847
11/11 [=====] - 0s 8ms/step - loss: 0.5858 - accuracy: 0.6149 - val_loss: 0.5561 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 329/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5245 - accuracy: 0.7188
Epoch 329: val_loss improved from 0.54847 to 0.54810, saving model to tmp/Weights-329--0.54810.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5843 - accuracy: 0.6178 - val_loss: 0.5481 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 330/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4664 - accuracy: 0.7188
Epoch 330: val_loss improved from 0.54810 to 0.54678, saving model to tmp/Weights-330--0.54678.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5838 - accuracy: 0.6207 - val_loss: 0.5468 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 331/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5931 - accuracy: 0.5625
Epoch 331: val_loss improved from 0.54678 to 0.54372, saving model to tmp/Weights-331--0.54372.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5829 - accuracy: 0.6092 - val_loss: 0.5437 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 332/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5792 - accuracy: 0.7500
Epoch 332: val_loss did not improve from 0.54372
11/11 [=====] - 0s 10ms/step - loss: 0.5840 - accuracy: 0.6063 - val_loss: 0.5465 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 333/1000
11/11 [=====] - ETA: 0s - loss: 0.5828 - accuracy: 0.6092
Epoch 333: val_loss did not improve from 0.54372
11/11 [=====] - 0s 10ms/step - loss: 0.5828 - accuracy: 0.6092 - val_loss: 0.5470 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 334/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6161 - accuracy: 0.5938
Epoch 334: val_loss did not improve from 0.54372
11/11 [=====] - 0s 13ms/step - loss: 0.5831 - accuracy: 0.6207 - val_loss: 0.5476 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 335/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6267 - accuracy: 0.6250
Epoch 335: val_loss did not improve from 0.54372
11/11 [=====] - 0s 9ms/step - loss: 0.5827 - accuracy: 0.6264 - val_loss: 0.5467 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 336/1000
9/11 [=====>.....] - ETA: 0s - loss: 0.5741 - accuracy: 0.6215
Epoch 336: val_loss did not improve from 0.54372
11/11 [=====] - 0s 11ms/step - loss: 0.5841 - accuracy:
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0.6034 - val_loss: 0.5503 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 337/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5917 - accuracy: 0.5938
Epoch 337: val_loss did not improve from 0.54372
11/11 [=====] - 0s 8ms/step - loss: 0.5828 - accuracy: 0.
6092 - val_loss: 0.5556 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 338/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6087 - accuracy: 0.6250
Epoch 338: val_loss did not improve from 0.54372
11/11 [=====] - 0s 10ms/step - loss: 0.5858 - accuracy:
0.6207 - val_loss: 0.5542 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 339/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6498 - accuracy: 0.4688
Epoch 339: val_loss improved from 0.54372 to 0.54141, saving model to tmp/Weights-
339--0.54141.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5824 - accuracy:
0.6006 - val_loss: 0.5414 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 340/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5646 - accuracy: 0.6250
Epoch 340: val_loss did not improve from 0.54141
11/11 [=====] - 0s 9ms/step - loss: 0.5818 - accuracy: 0.
6034 - val_loss: 0.5435 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 341/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6398 - accuracy: 0.5000
Epoch 341: val_loss did not improve from 0.54141
11/11 [=====] - 0s 8ms/step - loss: 0.5830 - accuracy: 0.
6178 - val_loss: 0.5533 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 342/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6085 - accuracy: 0.5312
Epoch 342: val_loss did not improve from 0.54141
11/11 [=====] - 0s 9ms/step - loss: 0.5808 - accuracy: 0.
6207 - val_loss: 0.5441 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 343/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6201 - accuracy: 0.5625
Epoch 343: val_loss improved from 0.54141 to 0.54135, saving model to tmp/Weights-
343--0.54135.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5812 - accuracy:
0.6092 - val_loss: 0.5413 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 344/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6746 - accuracy: 0.4062
Epoch 344: val_loss did not improve from 0.54135
11/11 [=====] - 0s 9ms/step - loss: 0.5792 - accuracy: 0.
6121 - val_loss: 0.5466 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 345/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6688 - accuracy: 0.4375
Epoch 345: val_loss did not improve from 0.54135
11/11 [=====] - 0s 10ms/step - loss: 0.5814 - accuracy:
0.6236 - val_loss: 0.5466 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 346/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6044 - accuracy: 0.6250
Epoch 346: val_loss did not improve from 0.54135
11/11 [=====] - 0s 9ms/step - loss: 0.5832 - accuracy: 0.
6178 - val_loss: 0.5517 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 347/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6776 - accuracy: 0.5000
Epoch 347: val_loss did not improve from 0.54135
11/11 [=====] - 0s 9ms/step - loss: 0.5841 - accuracy: 0.
6149 - val_loss: 0.5442 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 348/1000
11/11 [=====] - ETA: 0s - loss: 0.5794 - accuracy: 0.6092
Epoch 348: val_loss did not improve from 0.54135
11/11 [=====] - 0s 10ms/step - loss: 0.5794 - accuracy:
0.6092 - val_loss: 0.5429 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 349/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5281 - accuracy: 0.8125
Epoch 349: val_loss did not improve from 0.54135
11/11 [=====] - 0s 9ms/step - loss: 0.5780 - accuracy: 0.
6178 - val_loss: 0.5455 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 350/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5864 - accuracy: 0.5625
Epoch 350: val_loss improved from 0.54135 to 0.54113, saving model to tmp/Weights-350--0.54113.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5783 - accuracy: 0.
6034 - val_loss: 0.5411 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 351/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5794 - accuracy: 0.5938
Epoch 351: val_loss did not improve from 0.54113
11/11 [=====] - 0s 9ms/step - loss: 0.5800 - accuracy: 0.
6149 - val_loss: 0.5460 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 352/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6499 - accuracy: 0.5000
Epoch 352: val_loss did not improve from 0.54113
11/11 [=====] - 0s 8ms/step - loss: 0.5786 - accuracy: 0.
6236 - val_loss: 0.5443 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 353/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5427 - accuracy: 0.6562
Epoch 353: val_loss did not improve from 0.54113
11/11 [=====] - 0s 9ms/step - loss: 0.5785 - accuracy: 0.
6178 - val_loss: 0.5464 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 354/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5234 - accuracy: 0.6875
Epoch 354: val_loss did not improve from 0.54113
11/11 [=====] - 0s 9ms/step - loss: 0.5777 - accuracy: 0.
6121 - val_loss: 0.5473 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 355/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5846 - accuracy: 0.5938
Epoch 355: val_loss did not improve from 0.54113
11/11 [=====] - 0s 9ms/step - loss: 0.5782 - accuracy: 0.
6178 - val_loss: 0.5443 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 356/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5945 - accuracy: 0.5938
Epoch 356: val_loss did not improve from 0.54113
11/11 [=====] - 0s 8ms/step - loss: 0.5784 - accuracy: 0.
6034 - val_loss: 0.5417 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 357/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5561 - accuracy: 0.5938
Epoch 357: val_loss did not improve from 0.54113
11/11 [=====] - 0s 9ms/step - loss: 0.5792 - accuracy: 0.
6149 - val_loss: 0.5464 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 358/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6270 - accuracy: 0.5000
Epoch 358: val_loss did not improve from 0.54113
11/11 [=====] - 0s 8ms/step - loss: 0.5777 - accuracy: 0.
6006 - val_loss: 0.5540 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 359/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5565 - accuracy: 0.6875
Epoch 359: val_loss did not improve from 0.54113
11/11 [=====] - 0s 9ms/step - loss: 0.5822 - accuracy: 0.
6006 - val_loss: 0.5471 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 360/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5341 - accuracy: 0.6875
Epoch 360: val_loss did not improve from 0.54113
11/11 [=====] - 0s 9ms/step - loss: 0.5793 - accuracy: 0.
5977 - val_loss: 0.5441 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 361/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5773 - accuracy: 0.6250
Epoch 361: val_loss did not improve from 0.54113
11/11 [=====] - 0s 8ms/step - loss: 0.5824 - accuracy: 0.
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6149 - val_loss: 0.5470 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 362/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4890 - accuracy: 0.8125
Epoch 362: val_loss did not improve from 0.54113
11/11 [=====] - 0s 8ms/step - loss: 0.5774 - accuracy: 0.
6236 - val_loss: 0.5537 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 363/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5736 - accuracy: 0.6875
Epoch 363: val_loss did not improve from 0.54113
11/11 [=====] - 0s 9ms/step - loss: 0.5783 - accuracy: 0.
6034 - val_loss: 0.5437 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 364/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5818 - accuracy: 0.6875
Epoch 364: val_loss did not improve from 0.54113
11/11 [=====] - 0s 8ms/step - loss: 0.5779 - accuracy: 0.
6207 - val_loss: 0.5560 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 365/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6156 - accuracy: 0.5000
Epoch 365: val_loss did not improve from 0.54113
11/11 [=====] - 0s 8ms/step - loss: 0.5787 - accuracy: 0.
6178 - val_loss: 0.5519 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 366/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5440 - accuracy: 0.6875
Epoch 366: val_loss improved from 0.54113 to 0.53851, saving model to tmp/Weights-366--0.53851.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5780 - accuracy: 0.
6121 - val_loss: 0.5385 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 367/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5954 - accuracy: 0.5938
Epoch 367: val_loss did not improve from 0.53851
11/11 [=====] - 0s 8ms/step - loss: 0.5770 - accuracy: 0.
6034 - val_loss: 0.5443 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 368/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5394 - accuracy: 0.6562
Epoch 368: val_loss did not improve from 0.53851
11/11 [=====] - 0s 8ms/step - loss: 0.5758 - accuracy: 0.
6092 - val_loss: 0.5501 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 369/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6263 - accuracy: 0.5938
Epoch 369: val_loss did not improve from 0.53851
11/11 [=====] - 0s 8ms/step - loss: 0.5797 - accuracy: 0.
6264 - val_loss: 0.5460 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 370/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5899 - accuracy: 0.6250
Epoch 370: val_loss did not improve from 0.53851
11/11 [=====] - 0s 9ms/step - loss: 0.5780 - accuracy: 0.
6092 - val_loss: 0.5423 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 371/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4739 - accuracy: 0.7188
Epoch 371: val_loss did not improve from 0.53851
11/11 [=====] - 0s 9ms/step - loss: 0.5777 - accuracy: 0.
6149 - val_loss: 0.5520 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 372/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5561 - accuracy: 0.6562
Epoch 372: val_loss did not improve from 0.53851
11/11 [=====] - 0s 9ms/step - loss: 0.5782 - accuracy: 0.
6063 - val_loss: 0.5408 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 373/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5146 - accuracy: 0.6875
Epoch 373: val_loss did not improve from 0.53851
11/11 [=====] - 0s 9ms/step - loss: 0.5770 - accuracy: 0.
6236 - val_loss: 0.5484 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 374/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5605 - accuracy: 0.7500
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Epoch 374: val_loss did not improve from 0.53851
11/11 [=====] - 0s 9ms/step - loss: 0.5769 - accuracy: 0.
6236 - val_loss: 0.5398 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 375/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5351 - accuracy: 0.7500
Epoch 375: val_loss did not improve from 0.53851
11/11 [=====] - 0s 14ms/step - loss: 0.5752 - accuracy:
0.6034 - val_loss: 0.5452 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 376/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5848 - accuracy: 0.6250
Epoch 376: val_loss did not improve from 0.53851
11/11 [=====] - 0s 10ms/step - loss: 0.5752 - accuracy:
0.6236 - val_loss: 0.5448 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 377/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5614 - accuracy: 0.5938
Epoch 377: val_loss did not improve from 0.53851
11/11 [=====] - 0s 10ms/step - loss: 0.5762 - accuracy:
0.6149 - val_loss: 0.5423 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 378/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5568 - accuracy: 0.7188
Epoch 378: val_loss did not improve from 0.53851
11/11 [=====] - 0s 9ms/step - loss: 0.5738 - accuracy: 0.
6207 - val_loss: 0.5436 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 379/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5542 - accuracy: 0.7500
Epoch 379: val_loss did not improve from 0.53851
11/11 [=====] - 0s 9ms/step - loss: 0.5741 - accuracy: 0.
6092 - val_loss: 0.5507 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 380/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5444 - accuracy: 0.6250
Epoch 380: val_loss did not improve from 0.53851
11/11 [=====] - 0s 9ms/step - loss: 0.5732 - accuracy: 0.
6178 - val_loss: 0.5452 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 381/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6109 - accuracy: 0.6562
Epoch 381: val_loss did not improve from 0.53851
11/11 [=====] - 0s 9ms/step - loss: 0.5745 - accuracy: 0.
6322 - val_loss: 0.5440 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 382/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5650 - accuracy: 0.5625
Epoch 382: val_loss did not improve from 0.53851
11/11 [=====] - 0s 9ms/step - loss: 0.5745 - accuracy: 0.
6092 - val_loss: 0.5441 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 383/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5465 - accuracy: 0.7188
Epoch 383: val_loss did not improve from 0.53851
11/11 [=====] - 0s 9ms/step - loss: 0.5742 - accuracy: 0.
6063 - val_loss: 0.5436 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 384/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5634 - accuracy: 0.7188
Epoch 384: val_loss did not improve from 0.53851
11/11 [=====] - 0s 9ms/step - loss: 0.5755 - accuracy: 0.
6264 - val_loss: 0.5491 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 385/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6371 - accuracy: 0.5312
Epoch 385: val_loss did not improve from 0.53851
11/11 [=====] - 0s 10ms/step - loss: 0.5822 - accuracy:
0.6178 - val_loss: 0.5409 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 386/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5664 - accuracy: 0.7812
Epoch 386: val_loss did not improve from 0.53851
11/11 [=====] - 0s 9ms/step - loss: 0.5750 - accuracy: 0.
6437 - val_loss: 0.5529 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 387/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5427 - accuracy: 0.6875
Epoch 387: val_loss did not improve from 0.53851
11/11 [=====] - 0s 8ms/step - loss: 0.5756 - accuracy: 0.
6236 - val_loss: 0.5479 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 388/1000
11/11 [=====] - ETA: 0s - loss: 0.5715 - accuracy: 0.6092
Epoch 388: val_loss did not improve from 0.53851
11/11 [=====] - 0s 11ms/step - loss: 0.5715 - accuracy:
0.6092 - val_loss: 0.5428 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 389/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5297 - accuracy: 0.7812
Epoch 389: val_loss did not improve from 0.53851
11/11 [=====] - 0s 9ms/step - loss: 0.5727 - accuracy: 0.
6351 - val_loss: 0.5521 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 390/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6091 - accuracy: 0.5625
Epoch 390: val_loss did not improve from 0.53851
11/11 [=====] - 0s 9ms/step - loss: 0.5776 - accuracy: 0.
6236 - val_loss: 0.5394 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 391/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5830 - accuracy: 0.6250
Epoch 391: val_loss did not improve from 0.53851
11/11 [=====] - 0s 8ms/step - loss: 0.5723 - accuracy: 0.
6034 - val_loss: 0.5489 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 392/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6573 - accuracy: 0.5625
Epoch 392: val_loss did not improve from 0.53851
11/11 [=====] - 0s 9ms/step - loss: 0.5738 - accuracy: 0.
6322 - val_loss: 0.5418 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 393/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6042 - accuracy: 0.5938
Epoch 393: val_loss did not improve from 0.53851
11/11 [=====] - 0s 9ms/step - loss: 0.5745 - accuracy: 0.
6264 - val_loss: 0.5470 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 394/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6176 - accuracy: 0.5938
Epoch 394: val_loss did not improve from 0.53851
11/11 [=====] - 0s 9ms/step - loss: 0.5732 - accuracy: 0.
6149 - val_loss: 0.5442 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 395/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5121 - accuracy: 0.6875
Epoch 395: val_loss did not improve from 0.53851
11/11 [=====] - 0s 10ms/step - loss: 0.5719 - accuracy:
0.6178 - val_loss: 0.5471 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 396/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5498 - accuracy: 0.6875
Epoch 396: val_loss did not improve from 0.53851
11/11 [=====] - 0s 9ms/step - loss: 0.5737 - accuracy: 0.
6293 - val_loss: 0.5633 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 397/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5698 - accuracy: 0.6250
Epoch 397: val_loss did not improve from 0.53851
11/11 [=====] - 0s 9ms/step - loss: 0.5766 - accuracy: 0.
6092 - val_loss: 0.5583 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 398/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6003 - accuracy: 0.6562
Epoch 398: val_loss did not improve from 0.53851
11/11 [=====] - 0s 9ms/step - loss: 0.5718 - accuracy: 0.
6121 - val_loss: 0.5445 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 399/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5627 - accuracy: 0.6562
Epoch 399: val_loss did not improve from 0.53851
11/11 [=====] - 0s 9ms/step - loss: 0.5724 - accuracy: 0.
6236 - val_loss: 0.5603 - val_accuracy: 0.6267 - lr: 0.0090
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Epoch 400/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5604 - accuracy: 0.6250
Epoch 400: val_loss improved from 0.53851 to 0.53832, saving model to tmp/Weights-400--0.53832.hdf5
11/11 [=====] - 0s 16ms/step - loss: 0.5708 - accuracy: 0.6293 - val_loss: 0.5383 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 401/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6126 - accuracy: 0.5625
Epoch 401: val_loss did not improve from 0.53832
11/11 [=====] - 0s 9ms/step - loss: 0.5734 - accuracy: 0.6293 - val_loss: 0.5483 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 402/1000
11/11 [=====] - ETA: 0s - loss: 0.5691 - accuracy: 0.6178
Epoch 402: val_loss did not improve from 0.53832
11/11 [=====] - 0s 10ms/step - loss: 0.5691 - accuracy: 0.6178 - val_loss: 0.5473 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 403/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5811 - accuracy: 0.5000
Epoch 403: val_loss did not improve from 0.53832
11/11 [=====] - 0s 9ms/step - loss: 0.5701 - accuracy: 0.6351 - val_loss: 0.5462 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 404/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4914 - accuracy: 0.7812
Epoch 404: val_loss did not improve from 0.53832
11/11 [=====] - 0s 10ms/step - loss: 0.5714 - accuracy: 0.6322 - val_loss: 0.5519 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 405/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5742 - accuracy: 0.5938
Epoch 405: val_loss did not improve from 0.53832
11/11 [=====] - 0s 10ms/step - loss: 0.5701 - accuracy: 0.6092 - val_loss: 0.5459 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 406/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5140 - accuracy: 0.6875
Epoch 406: val_loss did not improve from 0.53832
11/11 [=====] - 0s 9ms/step - loss: 0.5708 - accuracy: 0.6092 - val_loss: 0.5423 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 407/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5728 - accuracy: 0.7188
Epoch 407: val_loss did not improve from 0.53832
11/11 [=====] - 0s 9ms/step - loss: 0.5721 - accuracy: 0.6322 - val_loss: 0.5473 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 408/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5941 - accuracy: 0.5938
Epoch 408: val_loss did not improve from 0.53832
11/11 [=====] - 0s 9ms/step - loss: 0.5714 - accuracy: 0.6379 - val_loss: 0.5425 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 409/1000
11/11 [=====] - ETA: 0s - loss: 0.5706 - accuracy: 0.6092
Epoch 409: val_loss did not improve from 0.53832
11/11 [=====] - 0s 11ms/step - loss: 0.5706 - accuracy: 0.6092 - val_loss: 0.5562 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 410/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6197 - accuracy: 0.5312
Epoch 410: val_loss did not improve from 0.53832
11/11 [=====] - 0s 9ms/step - loss: 0.5699 - accuracy: 0.6149 - val_loss: 0.5417 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 411/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6013 - accuracy: 0.6562
Epoch 411: val_loss did not improve from 0.53832
11/11 [=====] - 0s 10ms/step - loss: 0.5727 - accuracy: 0.6149 - val_loss: 0.5388 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 412/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5877 - accuracy: 0.5625
Epoch 412: val_loss did not improve from 0.53832
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11/11 [=====] - 0s 9ms/step - loss: 0.5705 - accuracy: 0.  
6264 - val_loss: 0.5537 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 413/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6471 - accuracy: 0.5000  
Epoch 413: val_loss did not improve from 0.53832  
11/11 [=====] - 0s 9ms/step - loss: 0.5703 - accuracy: 0.  
6121 - val_loss: 0.5451 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 414/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5192 - accuracy: 0.6875  
Epoch 414: val_loss did not improve from 0.53832  
11/11 [=====] - 0s 9ms/step - loss: 0.5697 - accuracy: 0.  
6236 - val_loss: 0.5418 - val_accuracy: 0.6200 - lr: 0.0090  
Epoch 415/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5163 - accuracy: 0.7188  
Epoch 415: val_loss did not improve from 0.53832  
11/11 [=====] - 0s 9ms/step - loss: 0.5690 - accuracy: 0.  
6264 - val_loss: 0.5621 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 416/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5756 - accuracy: 0.6562  
Epoch 416: val_loss improved from 0.53832 to 0.53581, saving model to tmp/Weights-  
416--0.53581.hdf5  
11/11 [=====] - 0s 11ms/step - loss: 0.5723 - accuracy:  
0.6092 - val_loss: 0.5358 - val_accuracy: 0.6200 - lr: 0.0090  
Epoch 417/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5489 - accuracy: 0.6875  
Epoch 417: val_loss did not improve from 0.53581  
11/11 [=====] - 0s 9ms/step - loss: 0.5863 - accuracy: 0.  
6121 - val_loss: 0.5633 - val_accuracy: 0.6000 - lr: 0.0090  
Epoch 418/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5508 - accuracy: 0.6250  
Epoch 418: val_loss did not improve from 0.53581  
11/11 [=====] - 0s 8ms/step - loss: 0.5780 - accuracy: 0.  
6523 - val_loss: 0.5508 - val_accuracy: 0.6600 - lr: 0.0090  
Epoch 419/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5021 - accuracy: 0.7500  
Epoch 419: val_loss did not improve from 0.53581  
11/11 [=====] - 0s 8ms/step - loss: 0.5756 - accuracy: 0.  
6580 - val_loss: 0.5471 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 420/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4755 - accuracy: 0.6562  
Epoch 420: val_loss did not improve from 0.53581  
11/11 [=====] - 0s 8ms/step - loss: 0.5713 - accuracy: 0.  
6149 - val_loss: 0.5426 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 421/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5886 - accuracy: 0.5938  
Epoch 421: val_loss did not improve from 0.53581  
11/11 [=====] - 0s 8ms/step - loss: 0.5688 - accuracy: 0.  
6178 - val_loss: 0.5454 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 422/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6284 - accuracy: 0.5312  
Epoch 422: val_loss did not improve from 0.53581  
11/11 [=====] - 0s 9ms/step - loss: 0.5698 - accuracy: 0.  
6121 - val_loss: 0.5395 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 423/1000  
11/11 [=====] - ETA: 0s - loss: 0.5693 - accuracy: 0.6178  
Epoch 423: val_loss did not improve from 0.53581  
11/11 [=====] - 0s 10ms/step - loss: 0.5693 - accuracy:  
0.6178 - val_loss: 0.5411 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 424/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4925 - accuracy: 0.7500  
Epoch 424: val_loss did not improve from 0.53581  
11/11 [=====] - 0s 11ms/step - loss: 0.5701 - accuracy:  
0.6207 - val_loss: 0.5506 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 425/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6269 - accuracy: 0.4375
Epoch 425: val_loss did not improve from 0.53581
11/11 [=====] - 0s 9ms/step - loss: 0.5725 - accuracy: 0.
6006 - val_loss: 0.5471 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 426/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5715 - accuracy: 0.6250
Epoch 426: val_loss did not improve from 0.53581
11/11 [=====] - 0s 8ms/step - loss: 0.5725 - accuracy: 0.
6092 - val_loss: 0.5460 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 427/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5770 - accuracy: 0.6250
Epoch 427: val_loss did not improve from 0.53581
11/11 [=====] - 0s 9ms/step - loss: 0.5740 - accuracy: 0.
6006 - val_loss: 0.5467 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 428/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5819 - accuracy: 0.6562
Epoch 428: val_loss did not improve from 0.53581
11/11 [=====] - 0s 9ms/step - loss: 0.5692 - accuracy: 0.
6351 - val_loss: 0.5455 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 429/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5381 - accuracy: 0.6562
Epoch 429: val_loss did not improve from 0.53581
11/11 [=====] - 0s 9ms/step - loss: 0.5685 - accuracy: 0.
6006 - val_loss: 0.5389 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 430/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5752 - accuracy: 0.6187
Epoch 430: val_loss did not improve from 0.53581
11/11 [=====] - 0s 11ms/step - loss: 0.5705 - accuracy: 0.
6236 - val_loss: 0.5445 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 431/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4729 - accuracy: 0.6250
Epoch 431: val_loss did not improve from 0.53581
11/11 [=====] - 0s 8ms/step - loss: 0.5703 - accuracy: 0.
6149 - val_loss: 0.5422 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 432/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5744 - accuracy: 0.5938
Epoch 432: val_loss did not improve from 0.53581
11/11 [=====] - 0s 9ms/step - loss: 0.5699 - accuracy: 0.
6092 - val_loss: 0.5395 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 433/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5956 - accuracy: 0.5938
Epoch 433: val_loss did not improve from 0.53581
11/11 [=====] - 0s 8ms/step - loss: 0.5695 - accuracy: 0.
6149 - val_loss: 0.5540 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 434/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5853 - accuracy: 0.5312
Epoch 434: val_loss did not improve from 0.53581
11/11 [=====] - 0s 10ms/step - loss: 0.5672 - accuracy: 0.
6092 - val_loss: 0.5454 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 435/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5564 - accuracy: 0.7188
Epoch 435: val_loss did not improve from 0.53581
11/11 [=====] - 0s 9ms/step - loss: 0.5702 - accuracy: 0.
6523 - val_loss: 0.5470 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 436/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5274 - accuracy: 0.7500
Epoch 436: val_loss did not improve from 0.53581
11/11 [=====] - 0s 8ms/step - loss: 0.5671 - accuracy: 0.
6207 - val_loss: 0.5506 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 437/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5248 - accuracy: 0.5938
Epoch 437: val_loss did not improve from 0.53581
11/11 [=====] - 0s 8ms/step - loss: 0.5685 - accuracy: 0.
5977 - val_loss: 0.5657 - val_accuracy: 0.6133 - lr: 0.0090
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Epoch 438/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5452 - accuracy: 0.6250
Epoch 438: val_loss improved from 0.53581 to 0.53481, saving model to tmp/Weights-438--0.53481.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5692 - accuracy: 0.6092 - val_loss: 0.5348 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 439/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6246 - accuracy: 0.5938
Epoch 439: val_loss did not improve from 0.53481
11/11 [=====] - 0s 9ms/step - loss: 0.5834 - accuracy: 0.6092 - val_loss: 0.5553 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 440/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6036 - accuracy: 0.6562
Epoch 440: val_loss did not improve from 0.53481
11/11 [=====] - 0s 9ms/step - loss: 0.5785 - accuracy: 0.6149 - val_loss: 0.5475 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 441/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6487 - accuracy: 0.5312
Epoch 441: val_loss did not improve from 0.53481
11/11 [=====] - 0s 13ms/step - loss: 0.5763 - accuracy: 0.6149 - val_loss: 0.5635 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 442/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5152 - accuracy: 0.7500
Epoch 442: val_loss did not improve from 0.53481
11/11 [=====] - 0s 9ms/step - loss: 0.5753 - accuracy: 0.6034 - val_loss: 0.5562 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 443/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5694 - accuracy: 0.6031
Epoch 443: val_loss did not improve from 0.53481
11/11 [=====] - 0s 10ms/step - loss: 0.5701 - accuracy: 0.6006 - val_loss: 0.5658 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 444/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5654 - accuracy: 0.6313
Epoch 444: val_loss did not improve from 0.53481
11/11 [=====] - 0s 11ms/step - loss: 0.5721 - accuracy: 0.6149 - val_loss: 0.5628 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 445/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5980 - accuracy: 0.6250
Epoch 445: val_loss did not improve from 0.53481
11/11 [=====] - 0s 8ms/step - loss: 0.5673 - accuracy: 0.6178 - val_loss: 0.5685 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 446/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6312 - accuracy: 0.5938
Epoch 446: val_loss did not improve from 0.53481
11/11 [=====] - 0s 9ms/step - loss: 0.5684 - accuracy: 0.6207 - val_loss: 0.5401 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 447/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5646 - accuracy: 0.5000
Epoch 447: val_loss did not improve from 0.53481
11/11 [=====] - 0s 10ms/step - loss: 0.5690 - accuracy: 0.6121 - val_loss: 0.5351 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 448/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5858 - accuracy: 0.7188
Epoch 448: val_loss did not improve from 0.53481
11/11 [=====] - 0s 9ms/step - loss: 0.5678 - accuracy: 0.6092 - val_loss: 0.5387 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 449/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5139 - accuracy: 0.7500
Epoch 449: val_loss did not improve from 0.53481
11/11 [=====] - 0s 10ms/step - loss: 0.5675 - accuracy: 0.6494 - val_loss: 0.5620 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 450/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5901 - accuracy: 0.6875
Epoch 450: val_loss did not improve from 0.53481
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11/11 [=====] - 0s 9ms/step - loss: 0.5660 - accuracy: 0.  
6408 - val_loss: 0.5398 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 451/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5357 - accuracy: 0.7812  
Epoch 451: val_loss did not improve from 0.53481  
11/11 [=====] - 0s 9ms/step - loss: 0.5678 - accuracy: 0.  
6034 - val_loss: 0.5421 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 452/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5984 - accuracy: 0.5938  
Epoch 452: val_loss did not improve from 0.53481  
11/11 [=====] - 0s 9ms/step - loss: 0.5670 - accuracy: 0.  
6207 - val_loss: 0.5499 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 453/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5617 - accuracy: 0.6250  
Epoch 453: val_loss did not improve from 0.53481  
11/11 [=====] - 0s 12ms/step - loss: 0.5639 - accuracy:  
0.6178 - val_loss: 0.5468 - val_accuracy: 0.6400 - lr: 0.0090  
Epoch 454/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6238 - accuracy: 0.5000  
Epoch 454: val_loss did not improve from 0.53481  
11/11 [=====] - 0s 9ms/step - loss: 0.5684 - accuracy: 0.  
6580 - val_loss: 0.5532 - val_accuracy: 0.6267 - lr: 0.0090  
Epoch 455/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5690 - accuracy: 0.6250  
Epoch 455: val_loss did not improve from 0.53481  
11/11 [=====] - 0s 10ms/step - loss: 0.5642 - accuracy:  
0.6264 - val_loss: 0.5425 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 456/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5906 - accuracy: 0.6562  
Epoch 456: val_loss did not improve from 0.53481  
11/11 [=====] - 0s 9ms/step - loss: 0.5656 - accuracy: 0.  
6293 - val_loss: 0.5408 - val_accuracy: 0.6267 - lr: 0.0090  
Epoch 457/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5549 - accuracy: 0.5938  
Epoch 457: val_loss did not improve from 0.53481  
11/11 [=====] - 0s 9ms/step - loss: 0.5667 - accuracy: 0.  
6063 - val_loss: 0.5486 - val_accuracy: 0.6333 - lr: 0.0090  
Epoch 458/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6241 - accuracy: 0.5625  
Epoch 458: val_loss did not improve from 0.53481  
11/11 [=====] - 0s 9ms/step - loss: 0.5656 - accuracy: 0.  
6408 - val_loss: 0.5411 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 459/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5364 - accuracy: 0.5938  
Epoch 459: val_loss did not improve from 0.53481  
11/11 [=====] - 0s 9ms/step - loss: 0.5654 - accuracy: 0.  
6207 - val_loss: 0.5532 - val_accuracy: 0.6200 - lr: 0.0090  
Epoch 460/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5597 - accuracy: 0.5312  
Epoch 460: val_loss did not improve from 0.53481  
11/11 [=====] - 0s 9ms/step - loss: 0.5653 - accuracy: 0.  
6207 - val_loss: 0.5548 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 461/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6282 - accuracy: 0.5312  
Epoch 461: val_loss did not improve from 0.53481  
11/11 [=====] - 0s 8ms/step - loss: 0.5651 - accuracy: 0.  
6207 - val_loss: 0.5590 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 462/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5794 - accuracy: 0.5625  
Epoch 462: val_loss did not improve from 0.53481  
11/11 [=====] - 0s 8ms/step - loss: 0.5670 - accuracy: 0.  
6092 - val_loss: 0.5588 - val_accuracy: 0.6200 - lr: 0.0090  
Epoch 463/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5768 - accuracy: 0.6562
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Epoch 463: val_loss did not improve from 0.53481
11/11 [=====] - 0s 9ms/step - loss: 0.5654 - accuracy: 0.
6236 - val_loss: 0.5673 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 464/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6046 - accuracy: 0.7500
Epoch 464: val_loss did not improve from 0.53481
11/11 [=====] - 0s 8ms/step - loss: 0.5647 - accuracy: 0.
6322 - val_loss: 0.5557 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 465/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5754 - accuracy: 0.5938
Epoch 465: val_loss did not improve from 0.53481
11/11 [=====] - 0s 9ms/step - loss: 0.5657 - accuracy: 0.
6092 - val_loss: 0.5410 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 466/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5428 - accuracy: 0.6250
Epoch 466: val_loss did not improve from 0.53481
11/11 [=====] - 0s 9ms/step - loss: 0.5649 - accuracy: 0.
6264 - val_loss: 0.5570 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 467/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5479 - accuracy: 0.6562
Epoch 467: val_loss did not improve from 0.53481
11/11 [=====] - 0s 8ms/step - loss: 0.5671 - accuracy: 0.
6322 - val_loss: 0.5390 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 468/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6412 - accuracy: 0.5938
Epoch 468: val_loss improved from 0.53481 to 0.53472, saving model to tmp/Weights-468--0.53472.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5656 - accuracy: 0.
6207 - val_loss: 0.5347 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 469/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4943 - accuracy: 0.7188
Epoch 469: val_loss did not improve from 0.53472
11/11 [=====] - 0s 9ms/step - loss: 0.5646 - accuracy: 0.
6207 - val_loss: 0.5599 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 470/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5906 - accuracy: 0.6562
Epoch 470: val_loss did not improve from 0.53472
11/11 [=====] - 0s 8ms/step - loss: 0.5640 - accuracy: 0.
6207 - val_loss: 0.5410 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 471/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6406 - accuracy: 0.5000
Epoch 471: val_loss did not improve from 0.53472
11/11 [=====] - 0s 8ms/step - loss: 0.5648 - accuracy: 0.
6149 - val_loss: 0.5692 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 472/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4750 - accuracy: 0.6250
Epoch 472: val_loss did not improve from 0.53472
11/11 [=====] - 0s 8ms/step - loss: 0.5658 - accuracy: 0.
6207 - val_loss: 0.5409 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 473/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5367 - accuracy: 0.7812
Epoch 473: val_loss did not improve from 0.53472
11/11 [=====] - 0s 8ms/step - loss: 0.5677 - accuracy: 0.
6178 - val_loss: 0.5638 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 474/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6275 - accuracy: 0.5000
Epoch 474: val_loss did not improve from 0.53472
11/11 [=====] - 0s 10ms/step - loss: 0.5685 - accuracy: 0.
6178 - val_loss: 0.5366 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 475/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5622 - accuracy: 0.6250
Epoch 475: val_loss did not improve from 0.53472
11/11 [=====] - 0s 8ms/step - loss: 0.5742 - accuracy: 0.
6178 - val_loss: 0.5649 - val_accuracy: 0.6133 - lr: 0.0090
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Epoch 476/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5429 - accuracy: 0.6562
Epoch 476: val_loss did not improve from 0.53472
11/11 [=====] - 0s 8ms/step - loss: 0.5680 - accuracy: 0.
6149 - val_loss: 0.5721 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 477/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6083 - accuracy: 0.6250
Epoch 477: val_loss did not improve from 0.53472
11/11 [=====] - 0s 9ms/step - loss: 0.5648 - accuracy: 0.
6178 - val_loss: 0.5535 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 478/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5668 - accuracy: 0.6562
Epoch 478: val_loss did not improve from 0.53472
11/11 [=====] - 0s 9ms/step - loss: 0.5654 - accuracy: 0.
6178 - val_loss: 0.5848 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 479/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5944 - accuracy: 0.5625
Epoch 479: val_loss did not improve from 0.53472
11/11 [=====] - 0s 8ms/step - loss: 0.5657 - accuracy: 0.
6149 - val_loss: 0.5568 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 480/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5499 - accuracy: 0.5938
Epoch 480: val_loss did not improve from 0.53472
11/11 [=====] - 0s 8ms/step - loss: 0.5650 - accuracy: 0.
6121 - val_loss: 0.5759 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 481/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5181 - accuracy: 0.7812
Epoch 481: val_loss did not improve from 0.53472
11/11 [=====] - 0s 9ms/step - loss: 0.5647 - accuracy: 0.
6264 - val_loss: 0.5564 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 482/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5628 - accuracy: 0.5625
Epoch 482: val_loss did not improve from 0.53472
11/11 [=====] - 0s 9ms/step - loss: 0.5645 - accuracy: 0.
6207 - val_loss: 0.5642 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 483/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5805 - accuracy: 0.5938
Epoch 483: val_loss did not improve from 0.53472
11/11 [=====] - 0s 8ms/step - loss: 0.5681 - accuracy: 0.
6178 - val_loss: 0.5572 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 484/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6319 - accuracy: 0.5312
Epoch 484: val_loss did not improve from 0.53472
11/11 [=====] - 0s 8ms/step - loss: 0.5645 - accuracy: 0.
6178 - val_loss: 0.5657 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 485/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5744 - accuracy: 0.6562
Epoch 485: val_loss did not improve from 0.53472
11/11 [=====] - 0s 8ms/step - loss: 0.5637 - accuracy: 0.
6236 - val_loss: 0.5674 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 486/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6112 - accuracy: 0.6250
Epoch 486: val_loss did not improve from 0.53472
11/11 [=====] - 0s 8ms/step - loss: 0.5656 - accuracy: 0.
6207 - val_loss: 0.5419 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 487/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5577 - accuracy: 0.5000
Epoch 487: val_loss did not improve from 0.53472
11/11 [=====] - 0s 9ms/step - loss: 0.5683 - accuracy: 0.
6121 - val_loss: 0.5354 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 488/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5668 - accuracy: 0.6875
Epoch 488: val_loss did not improve from 0.53472
11/11 [=====] - 0s 8ms/step - loss: 0.5642 - accuracy: 0.
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6121 - val_loss: 0.5643 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 489/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5214 - accuracy: 0.6250
Epoch 489: val_loss did not improve from 0.53472
11/11 [=====] - 0s 8ms/step - loss: 0.5650 - accuracy: 0.
6322 - val_loss: 0.5713 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 490/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6011 - accuracy: 0.5938
Epoch 490: val_loss did not improve from 0.53472
11/11 [=====] - 0s 9ms/step - loss: 0.5643 - accuracy: 0.
6178 - val_loss: 0.5483 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 491/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5971 - accuracy: 0.6562
Epoch 491: val_loss did not improve from 0.53472
11/11 [=====] - 0s 9ms/step - loss: 0.5702 - accuracy: 0.
6236 - val_loss: 0.5759 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 492/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6258 - accuracy: 0.6250
Epoch 492: val_loss improved from 0.53472 to 0.53249, saving model to tmp/Weights-492--0.53249.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5695 - accuracy: 0.6207 - val_loss: 0.5325 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 493/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5627 - accuracy: 0.6250
Epoch 493: val_loss improved from 0.53249 to 0.53075, saving model to tmp/Weights-493--0.53075.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5823 - accuracy: 0.5977 - val_loss: 0.5308 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 494/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5665 - accuracy: 0.6250
Epoch 494: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5752 - accuracy: 0.
6092 - val_loss: 0.5581 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 495/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6360 - accuracy: 0.4375
Epoch 495: val_loss did not improve from 0.53075
11/11 [=====] - 0s 10ms/step - loss: 0.5716 - accuracy: 0.
6092 - val_loss: 0.5439 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 496/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5728 - accuracy: 0.5938
Epoch 496: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5687 - accuracy: 0.
6178 - val_loss: 0.5324 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 497/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5950 - accuracy: 0.5312
Epoch 497: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5677 - accuracy: 0.
6178 - val_loss: 0.5572 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 498/1000
11/11 [=====] - ETA: 0s - loss: 0.5665 - accuracy: 0.6236
Epoch 498: val_loss did not improve from 0.53075
11/11 [=====] - 0s 10ms/step - loss: 0.5665 - accuracy: 0.
6236 - val_loss: 0.5551 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 499/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6234 - accuracy: 0.6562
Epoch 499: val_loss did not improve from 0.53075
11/11 [=====] - 0s 8ms/step - loss: 0.5640 - accuracy: 0.
6149 - val_loss: 0.5630 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 500/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5666 - accuracy: 0.7188
Epoch 500: val_loss did not improve from 0.53075
11/11 [=====] - 0s 13ms/step - loss: 0.5633 - accuracy: 0.
6178 - val_loss: 0.5593 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 501/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5476 - accuracy: 0.7188
Epoch 501: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5675 - accuracy: 0.
6149 - val_loss: 0.5631 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 502/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4922 - accuracy: 0.6250
Epoch 502: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5666 - accuracy: 0.
6351 - val_loss: 0.5712 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 503/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5550 - accuracy: 0.7188
Epoch 503: val_loss did not improve from 0.53075
11/11 [=====] - 0s 10ms/step - loss: 0.5633 - accuracy: 0.
6351 - val_loss: 0.5603 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 504/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5597 - accuracy: 0.5312
Epoch 504: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5639 - accuracy: 0.
6063 - val_loss: 0.5620 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 505/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6239 - accuracy: 0.5000
Epoch 505: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5620 - accuracy: 0.
6149 - val_loss: 0.5657 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 506/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6263 - accuracy: 0.5312
Epoch 506: val_loss did not improve from 0.53075
11/11 [=====] - 0s 8ms/step - loss: 0.5640 - accuracy: 0.
6207 - val_loss: 0.5704 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 507/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6158 - accuracy: 0.5312
Epoch 507: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5653 - accuracy: 0.
6207 - val_loss: 0.5643 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 508/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6362 - accuracy: 0.5000
Epoch 508: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5636 - accuracy: 0.
6207 - val_loss: 0.5569 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 509/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5988 - accuracy: 0.5938
Epoch 509: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5634 - accuracy: 0.
6207 - val_loss: 0.5694 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 510/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5914 - accuracy: 0.6875
Epoch 510: val_loss did not improve from 0.53075
11/11 [=====] - 0s 10ms/step - loss: 0.5624 - accuracy: 0.
6178 - val_loss: 0.5645 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 511/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5967 - accuracy: 0.5312
Epoch 511: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5641 - accuracy: 0.
6149 - val_loss: 0.5621 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 512/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4894 - accuracy: 0.7500
Epoch 512: val_loss did not improve from 0.53075
11/11 [=====] - 0s 8ms/step - loss: 0.5636 - accuracy: 0.
6121 - val_loss: 0.5616 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 513/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6160 - accuracy: 0.5938
Epoch 513: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5621 - accuracy: 0.
6121 - val_loss: 0.5664 - val_accuracy: 0.6200 - lr: 0.0090
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Epoch 514/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5668 - accuracy: 0.6313
Epoch 514: val_loss did not improve from 0.53075
11/11 [=====] - 0s 10ms/step - loss: 0.5642 - accuracy: 0.6322 - val_loss: 0.5698 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 515/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5097 - accuracy: 0.6875
Epoch 515: val_loss did not improve from 0.53075
11/11 [=====] - 0s 10ms/step - loss: 0.5702 - accuracy: 0.6207 - val_loss: 0.5377 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 516/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5435 - accuracy: 0.7812
Epoch 516: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5689 - accuracy: 0.6236 - val_loss: 0.5602 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 517/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5461 - accuracy: 0.6875
Epoch 517: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5657 - accuracy: 0.6149 - val_loss: 0.5381 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 518/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5946 - accuracy: 0.5625
Epoch 518: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5646 - accuracy: 0.6121 - val_loss: 0.5522 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 519/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5334 - accuracy: 0.7188
Epoch 519: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5622 - accuracy: 0.6149 - val_loss: 0.5606 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 520/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5974 - accuracy: 0.6250
Epoch 520: val_loss did not improve from 0.53075
11/11 [=====] - 0s 8ms/step - loss: 0.5683 - accuracy: 0.6121 - val_loss: 0.5430 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 521/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5863 - accuracy: 0.4375
Epoch 521: val_loss did not improve from 0.53075
11/11 [=====] - 0s 8ms/step - loss: 0.5677 - accuracy: 0.6207 - val_loss: 0.5388 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 522/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6809 - accuracy: 0.4375
Epoch 522: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5669 - accuracy: 0.6236 - val_loss: 0.5561 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 523/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5522 - accuracy: 0.6875
Epoch 523: val_loss did not improve from 0.53075
11/11 [=====] - 0s 8ms/step - loss: 0.5680 - accuracy: 0.6379 - val_loss: 0.5455 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 524/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5917 - accuracy: 0.6562
Epoch 524: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5632 - accuracy: 0.6207 - val_loss: 0.5658 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 525/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5713 - accuracy: 0.6562
Epoch 525: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5664 - accuracy: 0.6466 - val_loss: 0.5577 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 526/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5430 - accuracy: 0.7500
Epoch 526: val_loss did not improve from 0.53075
11/11 [=====] - 0s 8ms/step - loss: 0.5631 - accuracy: 0.
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6121 - val_loss: 0.5415 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 527/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5507 - accuracy: 0.7188
Epoch 527: val_loss did not improve from 0.53075
11/11 [=====] - 0s 8ms/step - loss: 0.5643 - accuracy: 0.
6207 - val_loss: 0.5476 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 528/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4875 - accuracy: 0.6250
Epoch 528: val_loss did not improve from 0.53075
11/11 [=====] - 0s 8ms/step - loss: 0.5687 - accuracy: 0.
6322 - val_loss: 0.5668 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 529/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5877 - accuracy: 0.6250
Epoch 529: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5663 - accuracy: 0.
6552 - val_loss: 0.5601 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 530/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5511 - accuracy: 0.6562
Epoch 530: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5625 - accuracy: 0.
6264 - val_loss: 0.5639 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 531/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5385 - accuracy: 0.6250
Epoch 531: val_loss did not improve from 0.53075
11/11 [=====] - 0s 10ms/step - loss: 0.5636 - accuracy: 0.
6178 - val_loss: 0.5620 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 532/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6216 - accuracy: 0.5312
Epoch 532: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5652 - accuracy: 0.
6408 - val_loss: 0.5620 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 533/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6287 - accuracy: 0.5938
Epoch 533: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5654 - accuracy: 0.
6236 - val_loss: 0.5602 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 534/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5065 - accuracy: 0.6875
Epoch 534: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5637 - accuracy: 0.
6293 - val_loss: 0.5630 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 535/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5689 - accuracy: 0.6562
Epoch 535: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5614 - accuracy: 0.
6264 - val_loss: 0.5681 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 536/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5365 - accuracy: 0.6875
Epoch 536: val_loss did not improve from 0.53075
11/11 [=====] - 0s 8ms/step - loss: 0.5619 - accuracy: 0.
6178 - val_loss: 0.5586 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 537/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4913 - accuracy: 0.5938
Epoch 537: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5623 - accuracy: 0.
6149 - val_loss: 0.5633 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 538/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5911 - accuracy: 0.6250
Epoch 538: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5640 - accuracy: 0.
6293 - val_loss: 0.5641 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 539/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5842 - accuracy: 0.5938
Epoch 539: val_loss did not improve from 0.53075
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11/11 [=====] - 0s 9ms/step - loss: 0.5624 - accuracy: 0.  
6178 - val_loss: 0.5627 - val_accuracy: 0.6200 - lr: 0.0090  
Epoch 540/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5482 - accuracy: 0.5625  
Epoch 540: val_loss did not improve from 0.53075  
11/11 [=====] - 0s 9ms/step - loss: 0.5626 - accuracy: 0.  
6236 - val_loss: 0.5547 - val_accuracy: 0.6333 - lr: 0.0090  
Epoch 541/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6117 - accuracy: 0.5938  
Epoch 541: val_loss did not improve from 0.53075  
11/11 [=====] - 0s 8ms/step - loss: 0.5643 - accuracy: 0.  
6264 - val_loss: 0.5696 - val_accuracy: 0.6400 - lr: 0.0090  
Epoch 542/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5770 - accuracy: 0.5938  
Epoch 542: val_loss did not improve from 0.53075  
11/11 [=====] - 0s 9ms/step - loss: 0.5662 - accuracy: 0.  
6063 - val_loss: 0.5471 - val_accuracy: 0.6200 - lr: 0.0090  
Epoch 543/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6062 - accuracy: 0.5938  
Epoch 543: val_loss did not improve from 0.53075  
  
Epoch 543: ReduceLROnPlateau reducing learning rate to 0.006299999728798866.  
11/11 [=====] - 0s 10ms/step - loss: 0.5652 - accuracy:  
0.6178 - val_loss: 0.5569 - val_accuracy: 0.6533 - lr: 0.0090  
Epoch 544/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6241 - accuracy: 0.5312  
Epoch 544: val_loss did not improve from 0.53075  
11/11 [=====] - 0s 10ms/step - loss: 0.5637 - accuracy:  
0.6178 - val_loss: 0.5550 - val_accuracy: 0.6200 - lr: 0.0063  
Epoch 545/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5918 - accuracy: 0.5625  
Epoch 545: val_loss did not improve from 0.53075  
11/11 [=====] - 0s 9ms/step - loss: 0.5620 - accuracy: 0.  
6149 - val_loss: 0.5509 - val_accuracy: 0.6200 - lr: 0.0063  
Epoch 546/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5332 - accuracy: 0.6562  
Epoch 546: val_loss did not improve from 0.53075  
11/11 [=====] - 0s 9ms/step - loss: 0.5603 - accuracy: 0.  
6236 - val_loss: 0.5568 - val_accuracy: 0.6333 - lr: 0.0063  
Epoch 547/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5382 - accuracy: 0.7188  
Epoch 547: val_loss did not improve from 0.53075  
11/11 [=====] - 0s 9ms/step - loss: 0.5631 - accuracy: 0.  
6494 - val_loss: 0.5603 - val_accuracy: 0.6400 - lr: 0.0063  
Epoch 548/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6267 - accuracy: 0.5312  
Epoch 548: val_loss did not improve from 0.53075  
11/11 [=====] - 0s 9ms/step - loss: 0.5617 - accuracy: 0.  
6149 - val_loss: 0.5564 - val_accuracy: 0.6200 - lr: 0.0063  
Epoch 549/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5607 - accuracy: 0.5000  
Epoch 549: val_loss did not improve from 0.53075  
11/11 [=====] - 0s 9ms/step - loss: 0.5609 - accuracy: 0.  
6149 - val_loss: 0.5603 - val_accuracy: 0.6333 - lr: 0.0063  
Epoch 550/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5040 - accuracy: 0.6875  
Epoch 550: val_loss did not improve from 0.53075  
11/11 [=====] - 0s 9ms/step - loss: 0.5607 - accuracy: 0.  
6178 - val_loss: 0.5568 - val_accuracy: 0.6400 - lr: 0.0063  
Epoch 551/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5681 - accuracy: 0.6250  
Epoch 551: val_loss did not improve from 0.53075  
11/11 [=====] - 0s 8ms/step - loss: 0.5615 - accuracy: 0.  
6207 - val_loss: 0.5610 - val_accuracy: 0.6267 - lr: 0.0063
```

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Epoch 552/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5105 - accuracy: 0.5625
Epoch 552: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5631 - accuracy: 0.
6034 - val_loss: 0.5552 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 553/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6114 - accuracy: 0.4688
Epoch 553: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5609 - accuracy: 0.
6207 - val_loss: 0.5594 - val_accuracy: 0.6400 - lr: 0.0063
Epoch 554/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6414 - accuracy: 0.5312
Epoch 554: val_loss did not improve from 0.53075
11/11 [=====] - 0s 10ms/step - loss: 0.5631 - accuracy:
0.6149 - val_loss: 0.5571 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 555/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5340 - accuracy: 0.5938
Epoch 555: val_loss did not improve from 0.53075
11/11 [=====] - 0s 8ms/step - loss: 0.5615 - accuracy: 0.
6236 - val_loss: 0.5560 - val_accuracy: 0.6400 - lr: 0.0063
Epoch 556/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5927 - accuracy: 0.5312
Epoch 556: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5610 - accuracy: 0.
6322 - val_loss: 0.5651 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 557/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5214 - accuracy: 0.6562
Epoch 557: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5617 - accuracy: 0.
6178 - val_loss: 0.5609 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 558/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5482 - accuracy: 0.6875
Epoch 558: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5611 - accuracy: 0.
6121 - val_loss: 0.5567 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 559/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6353 - accuracy: 0.5938
Epoch 559: val_loss did not improve from 0.53075
11/11 [=====] - 0s 8ms/step - loss: 0.5616 - accuracy: 0.
6236 - val_loss: 0.5686 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 560/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6170 - accuracy: 0.5000
Epoch 560: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5617 - accuracy: 0.
6264 - val_loss: 0.5675 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 561/1000
11/11 [=====] - ETA: 0s - loss: 0.5615 - accuracy: 0.6236
Epoch 561: val_loss did not improve from 0.53075
11/11 [=====] - 0s 11ms/step - loss: 0.5615 - accuracy:
0.6236 - val_loss: 0.5607 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 562/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5531 - accuracy: 0.5312
Epoch 562: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5600 - accuracy: 0.
6178 - val_loss: 0.5642 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 563/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4836 - accuracy: 0.6250
Epoch 563: val_loss did not improve from 0.53075
11/11 [=====] - 0s 8ms/step - loss: 0.5610 - accuracy: 0.
6236 - val_loss: 0.5615 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 564/1000
10/11 [======>...] - ETA: 0s - loss: 0.5635 - accuracy: 0.6031
Epoch 564: val_loss did not improve from 0.53075
11/11 [=====] - 0s 11ms/step - loss: 0.5610 - accuracy:
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0.6121 - val_loss: 0.5584 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 565/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6278 - accuracy: 0.5000
Epoch 565: val_loss did not improve from 0.53075
11/11 [=====] - 0s 8ms/step - loss: 0.5606 - accuracy: 0.
6207 - val_loss: 0.5632 - val_accuracy: 0.6400 - lr: 0.0063
Epoch 566/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5562 - accuracy: 0.6875
Epoch 566: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5612 - accuracy: 0.
6207 - val_loss: 0.5634 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 567/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5274 - accuracy: 0.6562
Epoch 567: val_loss did not improve from 0.53075
11/11 [=====] - 0s 8ms/step - loss: 0.5611 - accuracy: 0.
6264 - val_loss: 0.5541 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 568/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5675 - accuracy: 0.6875
Epoch 568: val_loss did not improve from 0.53075
11/11 [=====] - 0s 8ms/step - loss: 0.5630 - accuracy: 0.
6207 - val_loss: 0.5680 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 569/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5691 - accuracy: 0.7188
Epoch 569: val_loss did not improve from 0.53075
11/11 [=====] - 0s 8ms/step - loss: 0.5611 - accuracy: 0.
6207 - val_loss: 0.5602 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 570/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5580 - accuracy: 0.6562
Epoch 570: val_loss did not improve from 0.53075
11/11 [=====] - 0s 8ms/step - loss: 0.5619 - accuracy: 0.
6236 - val_loss: 0.5686 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 571/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5872 - accuracy: 0.6562
Epoch 571: val_loss did not improve from 0.53075
11/11 [=====] - 0s 8ms/step - loss: 0.5611 - accuracy: 0.
6149 - val_loss: 0.5643 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 572/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5628 - accuracy: 0.6562
Epoch 572: val_loss did not improve from 0.53075
11/11 [=====] - 0s 8ms/step - loss: 0.5612 - accuracy: 0.
6236 - val_loss: 0.5654 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 573/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5244 - accuracy: 0.7500
Epoch 573: val_loss did not improve from 0.53075
11/11 [=====] - 0s 8ms/step - loss: 0.5608 - accuracy: 0.
6149 - val_loss: 0.5602 - val_accuracy: 0.6267 - lr: 0.0063
Epoch 574/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5193 - accuracy: 0.6562
Epoch 574: val_loss did not improve from 0.53075
11/11 [=====] - 0s 8ms/step - loss: 0.5605 - accuracy: 0.
6236 - val_loss: 0.5630 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 575/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4903 - accuracy: 0.6875
Epoch 575: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5606 - accuracy: 0.
6149 - val_loss: 0.5675 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 576/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5182 - accuracy: 0.6875
Epoch 576: val_loss did not improve from 0.53075
11/11 [=====] - 0s 8ms/step - loss: 0.5609 - accuracy: 0.
6264 - val_loss: 0.5596 - val_accuracy: 0.6400 - lr: 0.0063
Epoch 577/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6323 - accuracy: 0.4375
Epoch 577: val_loss did not improve from 0.53075
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11/11 [=====] - 0s 8ms/step - loss: 0.5625 - accuracy: 0.  
6207 - val_loss: 0.5592 - val_accuracy: 0.6333 - lr: 0.0063  
Epoch 578/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6229 - accuracy: 0.5625  
Epoch 578: val_loss did not improve from 0.53075  
11/11 [=====] - 0s 9ms/step - loss: 0.5626 - accuracy: 0.  
6207 - val_loss: 0.5587 - val_accuracy: 0.6267 - lr: 0.0063  
Epoch 579/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6296 - accuracy: 0.5312  
Epoch 579: val_loss did not improve from 0.53075  
11/11 [=====] - 0s 8ms/step - loss: 0.5638 - accuracy: 0.  
6121 - val_loss: 0.5535 - val_accuracy: 0.6267 - lr: 0.0063  
Epoch 580/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5559 - accuracy: 0.6562  
Epoch 580: val_loss did not improve from 0.53075  
11/11 [=====] - 0s 8ms/step - loss: 0.5618 - accuracy: 0.  
6178 - val_loss: 0.5626 - val_accuracy: 0.6333 - lr: 0.0063  
Epoch 581/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5813 - accuracy: 0.6250  
Epoch 581: val_loss did not improve from 0.53075  
11/11 [=====] - 0s 10ms/step - loss: 0.5612 - accuracy:  
0.6264 - val_loss: 0.5551 - val_accuracy: 0.6200 - lr: 0.0063  
Epoch 582/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4672 - accuracy: 0.7812  
Epoch 582: val_loss did not improve from 0.53075  
11/11 [=====] - 0s 9ms/step - loss: 0.5606 - accuracy: 0.  
6178 - val_loss: 0.5631 - val_accuracy: 0.6400 - lr: 0.0063  
Epoch 583/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6049 - accuracy: 0.6250  
Epoch 583: val_loss did not improve from 0.53075  
11/11 [=====] - 0s 9ms/step - loss: 0.5602 - accuracy: 0.  
6207 - val_loss: 0.5590 - val_accuracy: 0.6267 - lr: 0.0063  
Epoch 584/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6054 - accuracy: 0.5625  
Epoch 584: val_loss did not improve from 0.53075  
11/11 [=====] - 0s 9ms/step - loss: 0.5608 - accuracy: 0.  
6178 - val_loss: 0.5597 - val_accuracy: 0.6200 - lr: 0.0063  
Epoch 585/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6099 - accuracy: 0.5000  
Epoch 585: val_loss did not improve from 0.53075  
11/11 [=====] - 0s 9ms/step - loss: 0.5606 - accuracy: 0.  
6207 - val_loss: 0.5653 - val_accuracy: 0.6333 - lr: 0.0063  
Epoch 586/1000  
10/11 [=====>...] - ETA: 0s - loss: 0.5643 - accuracy: 0.6062  
Epoch 586: val_loss did not improve from 0.53075  
11/11 [=====] - 0s 11ms/step - loss: 0.5605 - accuracy:  
0.6149 - val_loss: 0.5550 - val_accuracy: 0.6200 - lr: 0.0063  
Epoch 587/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5540 - accuracy: 0.7812  
Epoch 587: val_loss did not improve from 0.53075  
11/11 [=====] - 0s 9ms/step - loss: 0.5605 - accuracy: 0.  
6178 - val_loss: 0.5651 - val_accuracy: 0.6333 - lr: 0.0063  
Epoch 588/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5374 - accuracy: 0.5625  
Epoch 588: val_loss did not improve from 0.53075  
11/11 [=====] - 0s 14ms/step - loss: 0.5612 - accuracy:  
0.6236 - val_loss: 0.5605 - val_accuracy: 0.6333 - lr: 0.0063  
Epoch 589/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5654 - accuracy: 0.7188  
Epoch 589: val_loss did not improve from 0.53075  
11/11 [=====] - 0s 10ms/step - loss: 0.5604 - accuracy:  
0.6264 - val_loss: 0.5600 - val_accuracy: 0.6400 - lr: 0.0063  
Epoch 590/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5416 - accuracy: 0.7188
```

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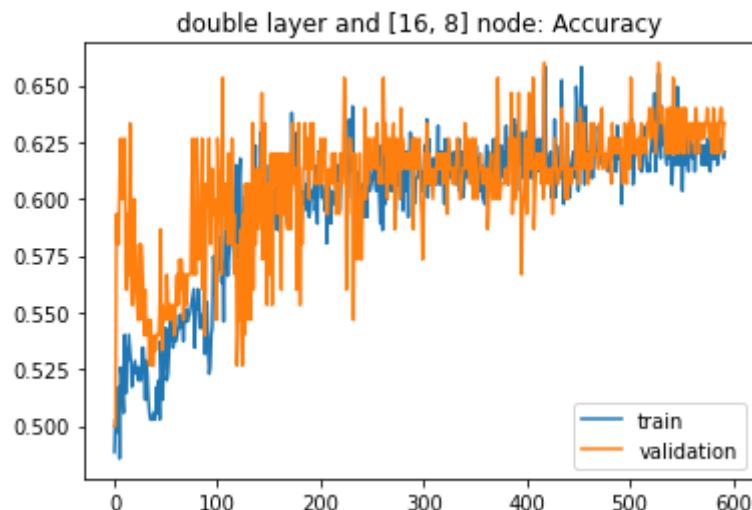
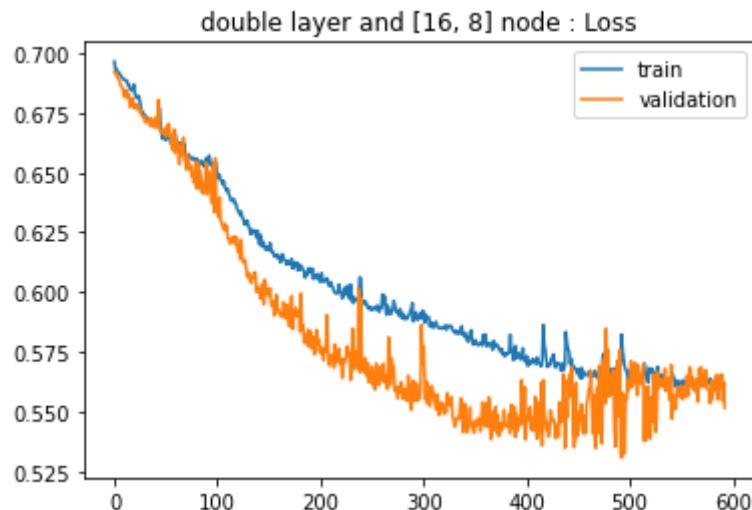
Epoch 590: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5607 - accuracy: 0.
6236 - val_loss: 0.5656 - val_accuracy: 0.6400 - lr: 0.0063
Epoch 591/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5421 - accuracy: 0.6562
Epoch 591: val_loss did not improve from 0.53075
11/11 [=====] - 0s 9ms/step - loss: 0.5628 - accuracy: 0.
6207 - val_loss: 0.5545 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 592/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5636 - accuracy: 0.6875
Epoch 592: val_loss did not improve from 0.53075
11/11 [=====] - 0s 10ms/step - loss: 0.5618 - accuracy:
0.6178 - val_loss: 0.5622 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 593/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5978 - accuracy: 0.5938
Epoch 593: val_loss did not improve from 0.53075

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Epoch 593: ReduceLROnPlateau reducing learning rate to 0.004409999679774046.
11/11 [=====] - 0s 9ms/step - loss: 0.5613 - accuracy: 0.
6207 - val_loss: 0.5516 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 593: early stopping
Final training loss for double layer and [16, 8] nodes: 0.5613120794296265
Final training accuracy for double layer and [16, 8] nodes 0.6206896305084229
Final validation loss for double layer and [16, 8] nodes 0.5516389012336731
Final validation accuracy for double layer and [16, 8] nodes 0.6333333253860474

```



```
>>>>>>>>>>>>>>> Model training with double hidden layer and [16, 12] node>>>
>>>>>>>>>
```

Model: "sequential_47"

Layer (type)	Output Shape	Param #
<hr/>		
dense_129 (Dense)	(None, 16)	48
dense_130 (Dense)	(None, 12)	204
dense_131 (Dense)	(None, 1)	13
<hr/>		
Total params: 265		
Trainable params: 265		
Non-trainable params: 0		

None
Epoch 1/1000
1/11 [=>.....] - ETA: 7s - loss: 0.6925 - accuracy: 0.5625
Epoch 1: val_loss improved from inf to 0.69493, saving model to tmp/Weights-001--0.69493.hdf5
11/11 [=====] - 1s 32ms/step - loss: 0.7000 - accuracy: 0.5029 - val_loss: 0.6949 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 2/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6916 - accuracy: 0.6250
Epoch 2: val_loss improved from 0.69493 to 0.69214, saving model to tmp/Weights-002--0.69214.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6937 - accuracy: 0.5201 - val_loss: 0.6921 - val_accuracy: 0.4800 - lr: 0.0090
Epoch 3/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6952 - accuracy: 0.3750
Epoch 3: val_loss improved from 0.69214 to 0.69099, saving model to tmp/Weights-003--0.69099.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6938 - accuracy: 0.4799 - val_loss: 0.6910 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 4/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6917 - accuracy: 0.4688
Epoch 4: val_loss improved from 0.69099 to 0.68929, saving model to tmp/Weights-004--0.68929.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6924 - accuracy: 0.4770 - val_loss: 0.6893 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 5/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6931 - accuracy: 0.4375
Epoch 5: val_loss improved from 0.68929 to 0.68841, saving model to tmp/Weights-005--0.68841.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6914 - accuracy: 0.5144 - val_loss: 0.6884 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 6/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6856 - accuracy: 0.5312
Epoch 6: val_loss improved from 0.68841 to 0.68769, saving model to tmp/Weights-006--0.68769.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6912 - accuracy: 0.5057 - val_loss: 0.6877 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 7/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6818 - accuracy: 0.6562
Epoch 7: val_loss improved from 0.68769 to 0.68585, saving model to tmp/Weights-007--0.68585.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6902 - accuracy: 0.5517 - val_loss: 0.6859 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 8/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.6867 - accuracy: 0.6250
Epoch 8: val_loss improved from 0.68585 to 0.68472, saving model to tmp/Weights-00
8--0.68472.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6894 - accuracy:
0.5374 - val_loss: 0.6847 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 9/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6921 - accuracy: 0.5312
Epoch 9: val_loss improved from 0.68472 to 0.68417, saving model to tmp/Weights-00
9--0.68417.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6890 - accuracy:
0.5345 - val_loss: 0.6842 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 10/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6759 - accuracy: 0.6562
Epoch 10: val_loss improved from 0.68417 to 0.68320, saving model to tmp/Weights-00
10--0.68320.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6894 - accuracy:
0.5029 - val_loss: 0.6832 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 11/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6920 - accuracy: 0.3750
Epoch 11: val_loss improved from 0.68320 to 0.67964, saving model to tmp/Weights-00
11--0.67964.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6917 - accuracy:
0.4799 - val_loss: 0.6796 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 12/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6752 - accuracy: 0.5938
Epoch 12: val_loss did not improve from 0.67964
11/11 [=====] - 0s 10ms/step - loss: 0.6880 - accuracy:
0.5115 - val_loss: 0.6801 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 13/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6672 - accuracy: 0.6562
Epoch 13: val_loss did not improve from 0.67964
11/11 [=====] - 0s 9ms/step - loss: 0.6866 - accuracy: 0.
5230 - val_loss: 0.6806 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 14/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6999 - accuracy: 0.4375
Epoch 14: val_loss improved from 0.67964 to 0.67895, saving model to tmp/Weights-00
14--0.67895.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6873 - accuracy:
0.5374 - val_loss: 0.6790 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 15/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6771 - accuracy: 0.6250
Epoch 15: val_loss improved from 0.67895 to 0.67747, saving model to tmp/Weights-00
15--0.67747.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6883 - accuracy:
0.5431 - val_loss: 0.6775 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 16/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6522 - accuracy: 0.6875
Epoch 16: val_loss improved from 0.67747 to 0.67738, saving model to tmp/Weights-00
16--0.67738.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6846 - accuracy:
0.5374 - val_loss: 0.6774 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 17/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6644 - accuracy: 0.6562
Epoch 17: val_loss did not improve from 0.67738
11/11 [=====] - 0s 9ms/step - loss: 0.6865 - accuracy: 0.
5402 - val_loss: 0.6784 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 18/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6773 - accuracy: 0.6250
Epoch 18: val_loss improved from 0.67738 to 0.67698, saving model to tmp/Weights-00
18--0.67698.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6848 - accuracy:
0.5431 - val_loss: 0.6770 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 19/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6390 - accuracy: 0.7812
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Epoch 19: val_loss did not improve from 0.67698
11/11 [=====] - 0s 8ms/step - loss: 0.6854 - accuracy: 0.
5603 - val_loss: 0.6779 - val_accuracy: 0.4933 - lr: 0.0090
Epoch 20/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6619 - accuracy: 0.5938
Epoch 20: val_loss did not improve from 0.67698
11/11 [=====] - 0s 9ms/step - loss: 0.6850 - accuracy: 0.
5575 - val_loss: 0.6784 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 21/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6994 - accuracy: 0.4062
Epoch 21: val_loss improved from 0.67698 to 0.67648, saving model to tmp/Weights-0
21--0.67648.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6850 - accuracy:
0.5632 - val_loss: 0.6765 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 22/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6985 - accuracy: 0.5312
Epoch 22: val_loss did not improve from 0.67648
11/11 [=====] - 0s 9ms/step - loss: 0.6826 - accuracy: 0.
5891 - val_loss: 0.6773 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 23/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6713 - accuracy: 0.6875
Epoch 23: val_loss improved from 0.67648 to 0.67579, saving model to tmp/Weights-0
23--0.67579.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6832 - accuracy:
0.5805 - val_loss: 0.6758 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 24/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6949 - accuracy: 0.5625
Epoch 24: val_loss did not improve from 0.67579
11/11 [=====] - 0s 8ms/step - loss: 0.6828 - accuracy: 0.
5575 - val_loss: 0.6767 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 25/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6920 - accuracy: 0.4375
Epoch 25: val_loss improved from 0.67579 to 0.67419, saving model to tmp/Weights-0
25--0.67419.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6817 - accuracy:
0.5718 - val_loss: 0.6742 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 26/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7007 - accuracy: 0.5312
Epoch 26: val_loss did not improve from 0.67419
11/11 [=====] - 0s 10ms/step - loss: 0.6804 - accuracy:
0.5632 - val_loss: 0.6747 - val_accuracy: 0.4933 - lr: 0.0090
Epoch 27/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6571 - accuracy: 0.4688
Epoch 27: val_loss did not improve from 0.67419
11/11 [=====] - 0s 8ms/step - loss: 0.6804 - accuracy: 0.
5661 - val_loss: 0.6747 - val_accuracy: 0.4933 - lr: 0.0090
Epoch 28/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6946 - accuracy: 0.4375
Epoch 28: val_loss improved from 0.67419 to 0.67418, saving model to tmp/Weights-0
28--0.67418.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6807 - accuracy:
0.5632 - val_loss: 0.6742 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 29/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6577 - accuracy: 0.6875
Epoch 29: val_loss improved from 0.67418 to 0.67219, saving model to tmp/Weights-0
29--0.67219.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6789 - accuracy:
0.5977 - val_loss: 0.6722 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 30/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6770 - accuracy: 0.7188
Epoch 30: val_loss improved from 0.67219 to 0.67061, saving model to tmp/Weights-0
30--0.67061.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6787 - accuracy:
0.5172 - val_loss: 0.6706 - val_accuracy: 0.5067 - lr: 0.0090
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Epoch 31/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6373 - accuracy: 0.5000
Epoch 31: val_loss did not improve from 0.67061
11/11 [=====] - 0s 9ms/step - loss: 0.6815 - accuracy: 0.
5402 - val_loss: 0.6731 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 32/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7160 - accuracy: 0.4688
Epoch 32: val_loss did not improve from 0.67061
11/11 [=====] - 0s 8ms/step - loss: 0.6808 - accuracy: 0.
5460 - val_loss: 0.6747 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 33/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7075 - accuracy: 0.4375
Epoch 33: val_loss did not improve from 0.67061
11/11 [=====] - 0s 9ms/step - loss: 0.6776 - accuracy: 0.
5057 - val_loss: 0.6735 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 34/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7168 - accuracy: 0.3750
Epoch 34: val_loss did not improve from 0.67061
11/11 [=====] - 0s 9ms/step - loss: 0.6786 - accuracy: 0.
5144 - val_loss: 0.6722 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 35/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6862 - accuracy: 0.5000
Epoch 35: val_loss improved from 0.67061 to 0.66868, saving model to tmp/Weights-0
35--0.66868.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6762 - accuracy:
0.5287 - val_loss: 0.6687 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 36/1000
11/11 [=====] - ETA: 0s - loss: 0.6771 - accuracy: 0.5546
Epoch 36: val_loss did not improve from 0.66868
11/11 [=====] - 0s 11ms/step - loss: 0.6771 - accuracy:
0.5546 - val_loss: 0.6691 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 37/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6785 - accuracy: 0.5312
Epoch 37: val_loss improved from 0.66868 to 0.66757, saving model to tmp/Weights-0
37--0.66757.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6750 - accuracy:
0.5172 - val_loss: 0.6676 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 38/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6503 - accuracy: 0.5312
Epoch 38: val_loss did not improve from 0.66757
11/11 [=====] - 0s 8ms/step - loss: 0.6771 - accuracy: 0.
5517 - val_loss: 0.6692 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 39/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6720 - accuracy: 0.6250
Epoch 39: val_loss did not improve from 0.66757
11/11 [=====] - 0s 9ms/step - loss: 0.6742 - accuracy: 0.
5374 - val_loss: 0.6681 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 40/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7064 - accuracy: 0.4688
Epoch 40: val_loss did not improve from 0.66757
11/11 [=====] - 0s 9ms/step - loss: 0.6711 - accuracy: 0.
5316 - val_loss: 0.6690 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 41/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6526 - accuracy: 0.5000
Epoch 41: val_loss did not improve from 0.66757
11/11 [=====] - 0s 8ms/step - loss: 0.6705 - accuracy: 0.
5115 - val_loss: 0.6691 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 42/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6845 - accuracy: 0.4375
Epoch 42: val_loss improved from 0.66757 to 0.66545, saving model to tmp/Weights-0
42--0.66545.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6687 - accuracy:
0.5460 - val_loss: 0.6654 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 43/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6702 - accuracy: 0.4375
Epoch 43: val_loss improved from 0.66545 to 0.66382, saving model to tmp/Weights-0
43--0.66382.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6687 - accuracy: 0.5517
  val_loss: 0.6638 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 44/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6100 - accuracy: 0.6875
Epoch 44: val_loss did not improve from 0.66382
11/11 [=====] - 0s 8ms/step - loss: 0.6665 - accuracy: 0.5632
  val_loss: 0.6674 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 45/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6107 - accuracy: 0.5938
Epoch 45: val_loss did not improve from 0.66382
11/11 [=====] - 0s 8ms/step - loss: 0.6650 - accuracy: 0.5431
  val_loss: 0.6649 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 46/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6764 - accuracy: 0.5000
Epoch 46: val_loss did not improve from 0.66382
11/11 [=====] - 0s 9ms/step - loss: 0.6656 - accuracy: 0.5718
  val_loss: 0.6663 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 47/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6469 - accuracy: 0.5625
Epoch 47: val_loss did not improve from 0.66382
11/11 [=====] - 0s 8ms/step - loss: 0.6673 - accuracy: 0.5374
  val_loss: 0.6671 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 48/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.7610 - accuracy: 0.3750
Epoch 48: val_loss did not improve from 0.66382
11/11 [=====] - 0s 9ms/step - loss: 0.6680 - accuracy: 0.5144
  val_loss: 0.6661 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 49/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6990 - accuracy: 0.3750
Epoch 49: val_loss improved from 0.66382 to 0.66321, saving model to tmp/Weights-0
49--0.66321.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6664 - accuracy: 0.5374
  val_loss: 0.6632 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 50/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6776 - accuracy: 0.5000
Epoch 50: val_loss improved from 0.66321 to 0.66138, saving model to tmp/Weights-0
50--0.66138.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6636 - accuracy: 0.5661
  val_loss: 0.6614 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 51/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6815 - accuracy: 0.5312
Epoch 51: val_loss did not improve from 0.66138
11/11 [=====] - 0s 8ms/step - loss: 0.6597 - accuracy: 0.6063
  val_loss: 0.6651 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 52/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6558 - accuracy: 0.5312
Epoch 52: val_loss improved from 0.66138 to 0.66126, saving model to tmp/Weights-0
52--0.66126.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6647 - accuracy: 0.5575
  val_loss: 0.6613 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 53/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6280 - accuracy: 0.6875
Epoch 53: val_loss did not improve from 0.66126
11/11 [=====] - 0s 9ms/step - loss: 0.6645 - accuracy: 0.5460
  val_loss: 0.6650 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 54/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6906 - accuracy: 0.4375
Epoch 54: val_loss did not improve from 0.66126
11/11 [=====] - 0s 8ms/step - loss: 0.6606 - accuracy: 0.5201
  val_loss: 0.6624 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 55/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6735 - accuracy: 0.5000
Epoch 55: val_loss did not improve from 0.66126
11/11 [=====] - 0s 9ms/step - loss: 0.6588 - accuracy: 0.
5632 - val_loss: 0.6646 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 56/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7047 - accuracy: 0.5938
Epoch 56: val_loss improved from 0.66126 to 0.65566, saving model to tmp/Weights-0
56--0.65566.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6565 - accuracy:
0.5316 - val_loss: 0.6557 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 57/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6189 - accuracy: 0.5938
Epoch 57: val_loss did not improve from 0.65566
11/11 [=====] - 0s 9ms/step - loss: 0.6590 - accuracy: 0.
5632 - val_loss: 0.6599 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 58/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6670 - accuracy: 0.5938
Epoch 58: val_loss improved from 0.65566 to 0.65486, saving model to tmp/Weights-0
58--0.65486.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6548 - accuracy:
0.5891 - val_loss: 0.6549 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 59/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6061 - accuracy: 0.6875
Epoch 59: val_loss did not improve from 0.65486
11/11 [=====] - 0s 9ms/step - loss: 0.6587 - accuracy: 0.
5287 - val_loss: 0.6624 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 60/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6528 - accuracy: 0.4688
Epoch 60: val_loss improved from 0.65486 to 0.65385, saving model to tmp/Weights-0
60--0.65385.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6535 - accuracy:
0.5489 - val_loss: 0.6539 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 61/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6574 - accuracy: 0.5625
Epoch 61: val_loss did not improve from 0.65385
11/11 [=====] - 0s 9ms/step - loss: 0.6523 - accuracy: 0.
5805 - val_loss: 0.6546 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 62/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6596 - accuracy: 0.7188
Epoch 62: val_loss did not improve from 0.65385
11/11 [=====] - 0s 9ms/step - loss: 0.6521 - accuracy: 0.
5690 - val_loss: 0.6566 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 63/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6766 - accuracy: 0.5000
Epoch 63: val_loss improved from 0.65385 to 0.65016, saving model to tmp/Weights-0
63--0.65016.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6504 - accuracy:
0.5546 - val_loss: 0.6502 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 64/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6368 - accuracy: 0.5312
Epoch 64: val_loss did not improve from 0.65016
11/11 [=====] - 0s 9ms/step - loss: 0.6477 - accuracy: 0.
5517 - val_loss: 0.6553 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 65/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6345 - accuracy: 0.5938
Epoch 65: val_loss improved from 0.65016 to 0.64643, saving model to tmp/Weights-0
65--0.64643.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6456 - accuracy:
0.5546 - val_loss: 0.6464 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 66/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6290 - accuracy: 0.6562
Epoch 66: val_loss did not improve from 0.64643
11/11 [=====] - 0s 8ms/step - loss: 0.6531 - accuracy: 0.
5259 - val_loss: 0.6485 - val_accuracy: 0.5533 - lr: 0.0090
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Epoch 67/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5582 - accuracy: 0.5938
Epoch 67: val_loss improved from 0.64643 to 0.64475, saving model to tmp/Weights-0
67--0.64475.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6462 - accuracy:
0.5690 - val_loss: 0.6447 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 68/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6510 - accuracy: 0.5938
Epoch 68: val_loss did not improve from 0.64475
11/11 [=====] - 0s 9ms/step - loss: 0.6446 - accuracy: 0.
5833 - val_loss: 0.6542 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 69/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6460 - accuracy: 0.5312
Epoch 69: val_loss improved from 0.64475 to 0.64044, saving model to tmp/Weights-0
69--0.64044.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6458 - accuracy:
0.5690 - val_loss: 0.6404 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 70/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6410 - accuracy: 0.5625
Epoch 70: val_loss did not improve from 0.64044
11/11 [=====] - 0s 9ms/step - loss: 0.6440 - accuracy: 0.
5661 - val_loss: 0.6463 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 71/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5904 - accuracy: 0.5312
Epoch 71: val_loss did not improve from 0.64044
11/11 [=====] - 0s 8ms/step - loss: 0.6428 - accuracy: 0.
5230 - val_loss: 0.6411 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 72/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6151 - accuracy: 0.5625
Epoch 72: val_loss did not improve from 0.64044
11/11 [=====] - 0s 8ms/step - loss: 0.6397 - accuracy: 0.
5862 - val_loss: 0.6410 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 73/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6648 - accuracy: 0.5312
Epoch 73: val_loss improved from 0.64044 to 0.63780, saving model to tmp/Weights-0
73--0.63780.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6417 - accuracy:
0.5575 - val_loss: 0.6378 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 74/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6484 - accuracy: 0.3125
Epoch 74: val_loss did not improve from 0.63780
11/11 [=====] - 0s 9ms/step - loss: 0.6455 - accuracy: 0.
5747 - val_loss: 0.6417 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 75/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6014 - accuracy: 0.6562
Epoch 75: val_loss did not improve from 0.63780
11/11 [=====] - 0s 10ms/step - loss: 0.6392 - accuracy:
0.5259 - val_loss: 0.6390 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 76/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6355 - accuracy: 0.5000
Epoch 76: val_loss improved from 0.63780 to 0.63475, saving model to tmp/Weights-0
76--0.63475.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6358 - accuracy:
0.5431 - val_loss: 0.6347 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 77/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6389 - accuracy: 0.5938
Epoch 77: val_loss did not improve from 0.63475
11/11 [=====] - 0s 10ms/step - loss: 0.6355 - accuracy:
0.5517 - val_loss: 0.6436 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 78/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7025 - accuracy: 0.3438
Epoch 78: val_loss did not improve from 0.63475
11/11 [=====] - 0s 8ms/step - loss: 0.6448 - accuracy: 0.
4914 - val_loss: 0.6428 - val_accuracy: 0.5400 - lr: 0.0090
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Epoch 79/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7010 - accuracy: 0.3750
Epoch 79: val_loss improved from 0.63475 to 0.63301, saving model to tmp/Weights-0
79--0.63301.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6379 - accuracy:
0.5661 - val_loss: 0.6330 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 80/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5827 - accuracy: 0.7188
Epoch 80: val_loss did not improve from 0.63301
11/11 [=====] - 0s 9ms/step - loss: 0.6342 - accuracy: 0.
5460 - val_loss: 0.6468 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 81/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6394 - accuracy: 0.5938
Epoch 81: val_loss improved from 0.63301 to 0.63024, saving model to tmp/Weights-0
81--0.63024.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6373 - accuracy:
0.5057 - val_loss: 0.6302 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 82/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5649 - accuracy: 0.6875
Epoch 82: val_loss did not improve from 0.63024
11/11 [=====] - 0s 9ms/step - loss: 0.6310 - accuracy: 0.
5345 - val_loss: 0.6349 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 83/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5500 - accuracy: 0.5938
Epoch 83: val_loss did not improve from 0.63024
11/11 [=====] - 0s 9ms/step - loss: 0.6300 - accuracy: 0.
5460 - val_loss: 0.6356 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 84/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6566 - accuracy: 0.3750
Epoch 84: val_loss did not improve from 0.63024
11/11 [=====] - 0s 10ms/step - loss: 0.6316 - accuracy:
0.5603 - val_loss: 0.6320 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 85/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6316 - accuracy: 0.5938
Epoch 85: val_loss did not improve from 0.63024
11/11 [=====] - 0s 9ms/step - loss: 0.6328 - accuracy: 0.
4885 - val_loss: 0.6311 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 86/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6369 - accuracy: 0.4688
Epoch 86: val_loss improved from 0.63024 to 0.62840, saving model to tmp/Weights-0
86--0.62840.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6328 - accuracy:
0.5144 - val_loss: 0.6284 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 87/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5804 - accuracy: 0.5312
Epoch 87: val_loss improved from 0.62840 to 0.62453, saving model to tmp/Weights-0
87--0.62453.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6320 - accuracy:
0.5805 - val_loss: 0.6245 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 88/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5839 - accuracy: 0.5938
Epoch 88: val_loss did not improve from 0.62453
11/11 [=====] - 0s 9ms/step - loss: 0.6302 - accuracy: 0.
5230 - val_loss: 0.6337 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 89/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6815 - accuracy: 0.5312
Epoch 89: val_loss did not improve from 0.62453
11/11 [=====] - 0s 8ms/step - loss: 0.6340 - accuracy: 0.
5977 - val_loss: 0.6270 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 90/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5779 - accuracy: 0.7812
Epoch 90: val_loss did not improve from 0.62453
11/11 [=====] - 0s 9ms/step - loss: 0.6341 - accuracy: 0.
5603 - val_loss: 0.6359 - val_accuracy: 0.5800 - lr: 0.0090
```

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Epoch 91/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6086 - accuracy: 0.5625
Epoch 91: val_loss improved from 0.62453 to 0.62052, saving model to tmp/Weights-0
91--0.62052.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6262 - accuracy: 0.5690 - val_loss: 0.6205 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 92/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6057 - accuracy: 0.7188
Epoch 92: val_loss did not improve from 0.62052
11/11 [=====] - 0s 9ms/step - loss: 0.6293 - accuracy: 0.5230 - val_loss: 0.6353 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 93/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6675 - accuracy: 0.5312
Epoch 93: val_loss did not improve from 0.62052
11/11 [=====] - 0s 9ms/step - loss: 0.6387 - accuracy: 0.5776 - val_loss: 0.6242 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 94/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6681 - accuracy: 0.4688
Epoch 94: val_loss did not improve from 0.62052
11/11 [=====] - 0s 9ms/step - loss: 0.6303 - accuracy: 0.5460 - val_loss: 0.6226 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 95/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6276 - accuracy: 0.5625
Epoch 95: val_loss did not improve from 0.62052
11/11 [=====] - 0s 9ms/step - loss: 0.6235 - accuracy: 0.5661 - val_loss: 0.6218 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 96/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5988 - accuracy: 0.5938
Epoch 96: val_loss did not improve from 0.62052
11/11 [=====] - 0s 9ms/step - loss: 0.6253 - accuracy: 0.5489 - val_loss: 0.6236 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 97/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6423 - accuracy: 0.6562
Epoch 97: val_loss did not improve from 0.62052
11/11 [=====] - 0s 8ms/step - loss: 0.6217 - accuracy: 0.5431 - val_loss: 0.6250 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 98/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6561 - accuracy: 0.5625
Epoch 98: val_loss improved from 0.62052 to 0.61956, saving model to tmp/Weights-0
98--0.61956.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6220 - accuracy: 0.5489 - val_loss: 0.6196 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 99/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6250 - accuracy: 0.5625
Epoch 99: val_loss did not improve from 0.61956
11/11 [=====] - 0s 8ms/step - loss: 0.6208 - accuracy: 0.6207 - val_loss: 0.6267 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 100/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6292 - accuracy: 0.5625
Epoch 100: val_loss did not improve from 0.61956
11/11 [=====] - 0s 8ms/step - loss: 0.6274 - accuracy: 0.5862 - val_loss: 0.6204 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 101/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5782 - accuracy: 0.5312
Epoch 101: val_loss did not improve from 0.61956
11/11 [=====] - 0s 9ms/step - loss: 0.6245 - accuracy: 0.5546 - val_loss: 0.6236 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 102/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6124 - accuracy: 0.5312
Epoch 102: val_loss did not improve from 0.61956
11/11 [=====] - 0s 8ms/step - loss: 0.6254 - accuracy: 0.5287 - val_loss: 0.6245 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 103/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6236 - accuracy: 0.5625
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Epoch 103: val_loss did not improve from 0.61956
11/11 [=====] - 0s 9ms/step - loss: 0.6259 - accuracy: 0.
5776 - val_loss: 0.6213 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 104/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5946 - accuracy: 0.5625
Epoch 104: val_loss improved from 0.61956 to 0.61390, saving model to tmp/Weights-104--0.61390.hdf5
11/11 [=====] - 0s 16ms/step - loss: 0.6255 - accuracy: 0.
5603 - val_loss: 0.6139 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 105/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5682 - accuracy: 0.7188
Epoch 105: val_loss did not improve from 0.61390
11/11 [=====] - 0s 9ms/step - loss: 0.6193 - accuracy: 0.
6063 - val_loss: 0.6172 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 106/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5991 - accuracy: 0.5938
Epoch 106: val_loss did not improve from 0.61390
11/11 [=====] - 0s 8ms/step - loss: 0.6171 - accuracy: 0.
6006 - val_loss: 0.6235 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 107/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5997 - accuracy: 0.5625
Epoch 107: val_loss did not improve from 0.61390
11/11 [=====] - 0s 8ms/step - loss: 0.6237 - accuracy: 0.
5316 - val_loss: 0.6176 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 108/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5264 - accuracy: 0.6875
Epoch 108: val_loss did not improve from 0.61390
11/11 [=====] - 0s 8ms/step - loss: 0.6168 - accuracy: 0.
6322 - val_loss: 0.6175 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 109/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6436 - accuracy: 0.6875
Epoch 109: val_loss did not improve from 0.61390
11/11 [=====] - 0s 8ms/step - loss: 0.6198 - accuracy: 0.
5776 - val_loss: 0.6184 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 110/1000
11/11 [=====] - ETA: 0s - loss: 0.6164 - accuracy: 0.6236
Epoch 110: val_loss did not improve from 0.61390
11/11 [=====] - 0s 9ms/step - loss: 0.6164 - accuracy: 0.
6236 - val_loss: 0.6223 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 111/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5885 - accuracy: 0.7188
Epoch 111: val_loss did not improve from 0.61390
11/11 [=====] - 0s 7ms/step - loss: 0.6203 - accuracy: 0.
5862 - val_loss: 0.6171 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 112/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6386 - accuracy: 0.5000
Epoch 112: val_loss did not improve from 0.61390
11/11 [=====] - 0s 8ms/step - loss: 0.6184 - accuracy: 0.
5920 - val_loss: 0.6236 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 113/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6872 - accuracy: 0.5625
Epoch 113: val_loss improved from 0.61390 to 0.61205, saving model to tmp/Weights-113--0.61205.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6148 - accuracy: 0.
6006 - val_loss: 0.6120 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 114/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6232 - accuracy: 0.5000
Epoch 114: val_loss did not improve from 0.61205
11/11 [=====] - 0s 8ms/step - loss: 0.6132 - accuracy: 0.
5805 - val_loss: 0.6143 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 115/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6689 - accuracy: 0.5312
Epoch 115: val_loss did not improve from 0.61205
11/11 [=====] - 0s 8ms/step - loss: 0.6123 - accuracy: 0.
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6466 - val_loss: 0.6188 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 116/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6278 - accuracy: 0.7188
Epoch 116: val_loss did not improve from 0.61205
11/11 [=====] - 0s 9ms/step - loss: 0.6127 - accuracy: 0.
6379 - val_loss: 0.6134 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 117/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6219 - accuracy: 0.4375
Epoch 117: val_loss did not improve from 0.61205
11/11 [=====] - 0s 9ms/step - loss: 0.6195 - accuracy: 0.
5575 - val_loss: 0.6204 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 118/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5355 - accuracy: 0.7812
Epoch 118: val_loss did not improve from 0.61205
11/11 [=====] - 0s 10ms/step - loss: 0.6146 - accuracy:
0.6207 - val_loss: 0.6122 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 119/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5694 - accuracy: 0.7188
Epoch 119: val_loss did not improve from 0.61205
11/11 [=====] - 0s 8ms/step - loss: 0.6099 - accuracy: 0.
6063 - val_loss: 0.6201 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 120/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6144 - accuracy: 0.5625
Epoch 120: val_loss improved from 0.61205 to 0.61120, saving model to tmp/Weights-
120--0.61120.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6076 - accuracy:
0.6494 - val_loss: 0.6112 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 121/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6189 - accuracy: 0.6250
Epoch 121: val_loss did not improve from 0.61120
11/11 [=====] - 0s 10ms/step - loss: 0.6087 - accuracy:
0.6293 - val_loss: 0.6172 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 122/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5538 - accuracy: 0.6562
Epoch 122: val_loss improved from 0.61120 to 0.61027, saving model to tmp/Weights-
122--0.61027.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6057 - accuracy:
0.6552 - val_loss: 0.6103 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 123/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6373 - accuracy: 0.6562
Epoch 123: val_loss did not improve from 0.61027
11/11 [=====] - 0s 9ms/step - loss: 0.6052 - accuracy: 0.
6523 - val_loss: 0.6142 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 124/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6092 - accuracy: 0.6250
Epoch 124: val_loss did not improve from 0.61027
11/11 [=====] - 0s 12ms/step - loss: 0.6037 - accuracy:
0.6351 - val_loss: 0.6144 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 125/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6010 - accuracy: 0.5625
Epoch 125: val_loss did not improve from 0.61027
11/11 [=====] - 0s 8ms/step - loss: 0.6046 - accuracy: 0.
6379 - val_loss: 0.6163 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 126/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6290 - accuracy: 0.5625
Epoch 126: val_loss did not improve from 0.61027
11/11 [=====] - 0s 9ms/step - loss: 0.6060 - accuracy: 0.
6408 - val_loss: 0.6174 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 127/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5746 - accuracy: 0.6875
Epoch 127: val_loss did not improve from 0.61027
11/11 [=====] - 0s 10ms/step - loss: 0.6017 - accuracy:
0.6580 - val_loss: 0.6109 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 128/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6455 - accuracy: 0.5312
Epoch 128: val_loss did not improve from 0.61027
11/11 [=====] - 0s 9ms/step - loss: 0.6049 - accuracy: 0.
6494 - val_loss: 0.6111 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 129/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6485 - accuracy: 0.5312
Epoch 129: val_loss did not improve from 0.61027
11/11 [=====] - 0s 9ms/step - loss: 0.6038 - accuracy: 0.
6437 - val_loss: 0.6126 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 130/1000
11/11 [=====] - ETA: 0s - loss: 0.6027 - accuracy: 0.6552
Epoch 130: val_loss improved from 0.61027 to 0.60975, saving model to tmp/Weights-130--0.60975.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6027 - accuracy: 0.
6552 - val_loss: 0.6098 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 131/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6285 - accuracy: 0.6250
Epoch 131: val_loss did not improve from 0.60975
11/11 [=====] - 0s 8ms/step - loss: 0.6073 - accuracy: 0.
6092 - val_loss: 0.6168 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 132/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5279 - accuracy: 0.7188
Epoch 132: val_loss did not improve from 0.60975
11/11 [=====] - 0s 9ms/step - loss: 0.6041 - accuracy: 0.
6379 - val_loss: 0.6202 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 133/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6661 - accuracy: 0.5000
Epoch 133: val_loss did not improve from 0.60975
11/11 [=====] - 0s 14ms/step - loss: 0.6027 - accuracy: 0.
6552 - val_loss: 0.6153 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 134/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5908 - accuracy: 0.7188
Epoch 134: val_loss did not improve from 0.60975
11/11 [=====] - 0s 8ms/step - loss: 0.6022 - accuracy: 0.
6408 - val_loss: 0.6104 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 135/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5857 - accuracy: 0.6250
Epoch 135: val_loss did not improve from 0.60975
11/11 [=====] - 0s 9ms/step - loss: 0.6037 - accuracy: 0.
6092 - val_loss: 0.6136 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 136/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5629 - accuracy: 0.7500
Epoch 136: val_loss did not improve from 0.60975
11/11 [=====] - 0s 9ms/step - loss: 0.6021 - accuracy: 0.
6580 - val_loss: 0.6149 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 137/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5844 - accuracy: 0.7188
Epoch 137: val_loss improved from 0.60975 to 0.60725, saving model to tmp/Weights-137--0.60725.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6011 - accuracy: 0.
6494 - val_loss: 0.6073 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 138/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6285 - accuracy: 0.6250
Epoch 138: val_loss did not improve from 0.60725
11/11 [=====] - 0s 8ms/step - loss: 0.5977 - accuracy: 0.
6437 - val_loss: 0.6230 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 139/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6077 - accuracy: 0.5938
Epoch 139: val_loss did not improve from 0.60725
11/11 [=====] - 0s 8ms/step - loss: 0.6012 - accuracy: 0.
6667 - val_loss: 0.6137 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 140/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5814 - accuracy: 0.6875
Epoch 140: val_loss did not improve from 0.60725
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11/11 [=====] - 0s 9ms/step - loss: 0.5988 - accuracy: 0.  
6638 - val_loss: 0.6100 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 141/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6102 - accuracy: 0.6562  
Epoch 141: val_loss did not improve from 0.60725  
11/11 [=====] - 0s 9ms/step - loss: 0.5995 - accuracy: 0.  
6207 - val_loss: 0.6115 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 142/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5573 - accuracy: 0.7188  
Epoch 142: val_loss did not improve from 0.60725  
11/11 [=====] - 0s 9ms/step - loss: 0.6008 - accuracy: 0.  
6379 - val_loss: 0.6146 - val_accuracy: 0.6000 - lr: 0.0090  
Epoch 143/1000  
11/11 [=====] - ETA: 0s - loss: 0.5996 - accuracy: 0.6494  
Epoch 143: val_loss did not improve from 0.60725  
11/11 [=====] - 0s 11ms/step - loss: 0.5996 - accuracy:  
0.6494 - val_loss: 0.6102 - val_accuracy: 0.6067 - lr: 0.0090  
Epoch 144/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5842 - accuracy: 0.7188  
Epoch 144: val_loss did not improve from 0.60725  
11/11 [=====] - 0s 9ms/step - loss: 0.5987 - accuracy: 0.  
6322 - val_loss: 0.6162 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 145/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5392 - accuracy: 0.6875  
Epoch 145: val_loss did not improve from 0.60725  
11/11 [=====] - 0s 9ms/step - loss: 0.5976 - accuracy: 0.  
6609 - val_loss: 0.6136 - val_accuracy: 0.6333 - lr: 0.0090  
Epoch 146/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6024 - accuracy: 0.7812  
Epoch 146: val_loss improved from 0.60725 to 0.60646, saving model to tmp/Weights-  
146--0.60646.hdf5  
11/11 [=====] - 0s 11ms/step - loss: 0.5987 - accuracy:  
0.6552 - val_loss: 0.6065 - val_accuracy: 0.6000 - lr: 0.0090  
Epoch 147/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5853 - accuracy: 0.6250  
Epoch 147: val_loss did not improve from 0.60646  
11/11 [=====] - 0s 9ms/step - loss: 0.5947 - accuracy: 0.  
6379 - val_loss: 0.6132 - val_accuracy: 0.6267 - lr: 0.0090  
Epoch 148/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5887 - accuracy: 0.6562  
Epoch 148: val_loss did not improve from 0.60646  
11/11 [=====] - 0s 9ms/step - loss: 0.5962 - accuracy: 0.  
6408 - val_loss: 0.6101 - val_accuracy: 0.6000 - lr: 0.0090  
Epoch 149/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6320 - accuracy: 0.6562  
Epoch 149: val_loss did not improve from 0.60646  
11/11 [=====] - 0s 10ms/step - loss: 0.6014 - accuracy:  
0.6293 - val_loss: 0.6141 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 150/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5603 - accuracy: 0.7812  
Epoch 150: val_loss did not improve from 0.60646  
11/11 [=====] - 0s 9ms/step - loss: 0.6089 - accuracy: 0.  
6207 - val_loss: 0.6262 - val_accuracy: 0.5800 - lr: 0.0090  
Epoch 151/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5685 - accuracy: 0.6250  
Epoch 151: val_loss improved from 0.60646 to 0.60299, saving model to tmp/Weights-  
151--0.60299.hdf5  
11/11 [=====] - 0s 11ms/step - loss: 0.5971 - accuracy:  
0.6149 - val_loss: 0.6030 - val_accuracy: 0.5800 - lr: 0.0090  
Epoch 152/1000  
11/11 [=====] - ETA: 0s - loss: 0.6008 - accuracy: 0.6322  
Epoch 152: val_loss did not improve from 0.60299  
11/11 [=====] - 0s 10ms/step - loss: 0.6008 - accuracy:  
0.6322 - val_loss: 0.6145 - val_accuracy: 0.6067 - lr: 0.0090
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Epoch 153/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6248 - accuracy: 0.5938
Epoch 153: val_loss did not improve from 0.60299
11/11 [=====] - 0s 9ms/step - loss: 0.6019 - accuracy: 0.
6437 - val_loss: 0.6158 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 154/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6032 - accuracy: 0.6875
Epoch 154: val_loss did not improve from 0.60299
11/11 [=====] - 0s 9ms/step - loss: 0.5987 - accuracy: 0.
6466 - val_loss: 0.6088 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 155/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6605 - accuracy: 0.5312
Epoch 155: val_loss did not improve from 0.60299
11/11 [=====] - 0s 8ms/step - loss: 0.5970 - accuracy: 0.
6322 - val_loss: 0.6129 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 156/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6490 - accuracy: 0.6562
Epoch 156: val_loss did not improve from 0.60299
11/11 [=====] - 0s 8ms/step - loss: 0.5908 - accuracy: 0.
6552 - val_loss: 0.6073 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 157/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5835 - accuracy: 0.6250
Epoch 157: val_loss did not improve from 0.60299
11/11 [=====] - 0s 8ms/step - loss: 0.5919 - accuracy: 0.
6466 - val_loss: 0.6079 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 158/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5706 - accuracy: 0.6562
Epoch 158: val_loss did not improve from 0.60299
11/11 [=====] - 0s 8ms/step - loss: 0.5935 - accuracy: 0.
6494 - val_loss: 0.6167 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 159/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5819 - accuracy: 0.6562
Epoch 159: val_loss improved from 0.60299 to 0.60217, saving model to tmp/Weights-159--0.60217.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5926 - accuracy: 0.
6351 - val_loss: 0.6022 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 160/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4880 - accuracy: 0.7812
Epoch 160: val_loss did not improve from 0.60217
11/11 [=====] - 0s 8ms/step - loss: 0.5900 - accuracy: 0.
6322 - val_loss: 0.6095 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 161/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5857 - accuracy: 0.6562
Epoch 161: val_loss did not improve from 0.60217
11/11 [=====] - 0s 8ms/step - loss: 0.5882 - accuracy: 0.
6552 - val_loss: 0.6074 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 162/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5522 - accuracy: 0.7500
Epoch 162: val_loss did not improve from 0.60217
11/11 [=====] - 0s 10ms/step - loss: 0.5877 - accuracy: 0.
6437 - val_loss: 0.6056 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 163/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5431 - accuracy: 0.6875
Epoch 163: val_loss did not improve from 0.60217
11/11 [=====] - 0s 9ms/step - loss: 0.5915 - accuracy: 0.
6494 - val_loss: 0.6064 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 164/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5945 - accuracy: 0.6250
Epoch 164: val_loss improved from 0.60217 to 0.60119, saving model to tmp/Weights-164--0.60119.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5975 - accuracy: 0.
6006 - val_loss: 0.6012 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 165/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5454 - accuracy: 0.6250
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Epoch 165: val_loss did not improve from 0.60119
11/11 [=====] - 0s 8ms/step - loss: 0.5946 - accuracy: 0.
6609 - val_loss: 0.6206 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 166/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6389 - accuracy: 0.6250
Epoch 166: val_loss did not improve from 0.60119
11/11 [=====] - 0s 8ms/step - loss: 0.5896 - accuracy: 0.
6466 - val_loss: 0.6027 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 167/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5473 - accuracy: 0.7188
Epoch 167: val_loss did not improve from 0.60119
11/11 [=====] - 0s 8ms/step - loss: 0.5868 - accuracy: 0.
6494 - val_loss: 0.6020 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 168/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5559 - accuracy: 0.6875
Epoch 168: val_loss did not improve from 0.60119
11/11 [=====] - 0s 9ms/step - loss: 0.5886 - accuracy: 0.
6351 - val_loss: 0.6075 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 169/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5904 - accuracy: 0.6875
Epoch 169: val_loss did not improve from 0.60119
11/11 [=====] - 0s 8ms/step - loss: 0.5866 - accuracy: 0.
6609 - val_loss: 0.6090 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 170/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5663 - accuracy: 0.6875
Epoch 170: val_loss did not improve from 0.60119
11/11 [=====] - 0s 8ms/step - loss: 0.5944 - accuracy: 0.
6034 - val_loss: 0.6078 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 171/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5109 - accuracy: 0.7500
Epoch 171: val_loss did not improve from 0.60119
11/11 [=====] - 0s 8ms/step - loss: 0.5912 - accuracy: 0.
6437 - val_loss: 0.6054 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 172/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5743 - accuracy: 0.5938
Epoch 172: val_loss did not improve from 0.60119
11/11 [=====] - 0s 9ms/step - loss: 0.5920 - accuracy: 0.
6149 - val_loss: 0.6043 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 173/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5765 - accuracy: 0.6250
Epoch 173: val_loss did not improve from 0.60119
11/11 [=====] - 0s 9ms/step - loss: 0.5925 - accuracy: 0.
6149 - val_loss: 0.6092 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 174/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5736 - accuracy: 0.6562
Epoch 174: val_loss did not improve from 0.60119
11/11 [=====] - 0s 8ms/step - loss: 0.5878 - accuracy: 0.
6954 - val_loss: 0.6023 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 175/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5305 - accuracy: 0.7188
Epoch 175: val_loss did not improve from 0.60119
11/11 [=====] - 0s 8ms/step - loss: 0.5893 - accuracy: 0.
7069 - val_loss: 0.6057 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 176/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6368 - accuracy: 0.5938
Epoch 176: val_loss improved from 0.60119 to 0.59910, saving model to tmp/Weights-176--0.59910.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5906 - accuracy: 0.
6379 - val_loss: 0.5991 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 177/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6227 - accuracy: 0.5938
Epoch 177: val_loss did not improve from 0.59910
11/11 [=====] - 0s 9ms/step - loss: 0.5993 - accuracy: 0.
6293 - val_loss: 0.6145 - val_accuracy: 0.5733 - lr: 0.0090
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Epoch 178/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5161 - accuracy: 0.6562
Epoch 178: val_loss did not improve from 0.59910
11/11 [=====] - 0s 10ms/step - loss: 0.5906 - accuracy: 0.6638 - val_loss: 0.6090 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 179/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6139 - accuracy: 0.7500
Epoch 179: val_loss did not improve from 0.59910
11/11 [=====] - 0s 9ms/step - loss: 0.5879 - accuracy: 0.7040 - val_loss: 0.6012 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 180/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5829 - accuracy: 0.6562
Epoch 180: val_loss did not improve from 0.59910
11/11 [=====] - 0s 9ms/step - loss: 0.5890 - accuracy: 0.6293 - val_loss: 0.6085 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 181/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6130 - accuracy: 0.7500
Epoch 181: val_loss did not improve from 0.59910
11/11 [=====] - 0s 8ms/step - loss: 0.5875 - accuracy: 0.6494 - val_loss: 0.5994 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 182/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6117 - accuracy: 0.6562
Epoch 182: val_loss did not improve from 0.59910
11/11 [=====] - 0s 8ms/step - loss: 0.5863 - accuracy: 0.6695 - val_loss: 0.6008 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 183/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6316 - accuracy: 0.6562
Epoch 183: val_loss did not improve from 0.59910
11/11 [=====] - 0s 8ms/step - loss: 0.5880 - accuracy: 0.6983 - val_loss: 0.6076 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 184/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5696 - accuracy: 0.7812
Epoch 184: val_loss improved from 0.59910 to 0.59472, saving model to tmp/Weights-184--0.59472.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5855 - accuracy: 0.6638 - val_loss: 0.5947 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 185/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6207 - accuracy: 0.5938
Epoch 185: val_loss did not improve from 0.59472
11/11 [=====] - 0s 8ms/step - loss: 0.5870 - accuracy: 0.6954 - val_loss: 0.6009 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 186/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5159 - accuracy: 0.8438
Epoch 186: val_loss did not improve from 0.59472
11/11 [=====] - 0s 8ms/step - loss: 0.5818 - accuracy: 0.7098 - val_loss: 0.6060 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 187/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5442 - accuracy: 0.6250
Epoch 187: val_loss did not improve from 0.59472
11/11 [=====] - 0s 9ms/step - loss: 0.5878 - accuracy: 0.6207 - val_loss: 0.5968 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 188/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5299 - accuracy: 0.7812
Epoch 188: val_loss did not improve from 0.59472
11/11 [=====] - 0s 9ms/step - loss: 0.5842 - accuracy: 0.6638 - val_loss: 0.6025 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 189/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5229 - accuracy: 0.7500
Epoch 189: val_loss improved from 0.59472 to 0.59391, saving model to tmp/Weights-189--0.59391.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5798 - accuracy: 0.6695 - val_loss: 0.5939 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 190/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6126 - accuracy: 0.5625
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Epoch 190: val_loss did not improve from 0.59391
11/11 [=====] - 0s 9ms/step - loss: 0.5830 - accuracy: 0.
6810 - val_loss: 0.6002 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 191/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5677 - accuracy: 0.7500
Epoch 191: val_loss improved from 0.59391 to 0.59137, saving model to tmp/Weights-191--0.59137.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5844 - accuracy: 0.6897
- val_loss: 0.5914 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 192/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5244 - accuracy: 0.6562
Epoch 192: val_loss did not improve from 0.59137
11/11 [=====] - 0s 8ms/step - loss: 0.5954 - accuracy: 0.
6379 - val_loss: 0.6055 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 193/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6608 - accuracy: 0.5938
Epoch 193: val_loss did not improve from 0.59137
11/11 [=====] - 0s 8ms/step - loss: 0.5959 - accuracy: 0.
6954 - val_loss: 0.5999 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 194/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6265 - accuracy: 0.6875
Epoch 194: val_loss did not improve from 0.59137
11/11 [=====] - 0s 9ms/step - loss: 0.5847 - accuracy: 0.
6810 - val_loss: 0.5964 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 195/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5937 - accuracy: 0.6875
Epoch 195: val_loss did not improve from 0.59137
11/11 [=====] - 0s 8ms/step - loss: 0.5784 - accuracy: 0.
6753 - val_loss: 0.6012 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 196/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5881 - accuracy: 0.7188
Epoch 196: val_loss did not improve from 0.59137
11/11 [=====] - 0s 7ms/step - loss: 0.5791 - accuracy: 0.
7184 - val_loss: 0.5928 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 197/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6014 - accuracy: 0.5938
Epoch 197: val_loss did not improve from 0.59137
11/11 [=====] - 0s 8ms/step - loss: 0.5782 - accuracy: 0.
6753 - val_loss: 0.6010 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 198/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5680 - accuracy: 0.7188
Epoch 198: val_loss did not improve from 0.59137
11/11 [=====] - 0s 8ms/step - loss: 0.5786 - accuracy: 0.
7040 - val_loss: 0.5954 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 199/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5388 - accuracy: 0.8125
Epoch 199: val_loss did not improve from 0.59137
11/11 [=====] - 0s 8ms/step - loss: 0.5856 - accuracy: 0.
6782 - val_loss: 0.6088 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 200/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6006 - accuracy: 0.5625
Epoch 200: val_loss did not improve from 0.59137
11/11 [=====] - 0s 8ms/step - loss: 0.5845 - accuracy: 0.
6983 - val_loss: 0.5938 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 201/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5256 - accuracy: 0.7500
Epoch 201: val_loss did not improve from 0.59137
11/11 [=====] - 0s 8ms/step - loss: 0.5887 - accuracy: 0.
6695 - val_loss: 0.6022 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 202/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5959 - accuracy: 0.6875
Epoch 202: val_loss did not improve from 0.59137
11/11 [=====] - 0s 8ms/step - loss: 0.5790 - accuracy: 0.
7155 - val_loss: 0.6008 - val_accuracy: 0.6333 - lr: 0.0090
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Epoch 203/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5606 - accuracy: 0.7500
Epoch 203: val_loss improved from 0.59137 to 0.58833, saving model to tmp/Weights-203--0.58833.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5790 - accuracy: 0.6667 - val_loss: 0.5883 - val_accuracy: 0.7067 - lr: 0.0090
Epoch 204/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5717 - accuracy: 0.7500
Epoch 204: val_loss did not improve from 0.58833
11/11 [=====] - 0s 8ms/step - loss: 0.5679 - accuracy: 0.7184 - val_loss: 0.5927 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 205/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5845 - accuracy: 0.6562
Epoch 205: val_loss did not improve from 0.58833
11/11 [=====] - 0s 10ms/step - loss: 0.5745 - accuracy: 0.6897 - val_loss: 0.5971 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 206/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5680 - accuracy: 0.6250
Epoch 206: val_loss improved from 0.58833 to 0.58586, saving model to tmp/Weights-206--0.58586.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5717 - accuracy: 0.6753 - val_loss: 0.5859 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 207/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6089 - accuracy: 0.6562
Epoch 207: val_loss did not improve from 0.58586
11/11 [=====] - 0s 9ms/step - loss: 0.5751 - accuracy: 0.7069 - val_loss: 0.5932 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 208/1000
11/11 [=====] - ETA: 0s - loss: 0.5763 - accuracy: 0.6580
Epoch 208: val_loss did not improve from 0.58586
11/11 [=====] - 0s 10ms/step - loss: 0.5763 - accuracy: 0.6580 - val_loss: 0.5939 - val_accuracy: 0.7000 - lr: 0.0090
Epoch 209/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6288 - accuracy: 0.5312
Epoch 209: val_loss did not improve from 0.58586
11/11 [=====] - 0s 8ms/step - loss: 0.5674 - accuracy: 0.6839 - val_loss: 0.5972 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 210/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5983 - accuracy: 0.6250
Epoch 210: val_loss did not improve from 0.58586
11/11 [=====] - 0s 9ms/step - loss: 0.5628 - accuracy: 0.7184 - val_loss: 0.5892 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 211/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5537 - accuracy: 0.7812
Epoch 211: val_loss improved from 0.58586 to 0.58523, saving model to tmp/Weights-211--0.58523.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5668 - accuracy: 0.7011 - val_loss: 0.5852 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 212/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5603 - accuracy: 0.7188
Epoch 212: val_loss did not improve from 0.58523
11/11 [=====] - 0s 9ms/step - loss: 0.5661 - accuracy: 0.7213 - val_loss: 0.5870 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 213/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6275 - accuracy: 0.5625
Epoch 213: val_loss did not improve from 0.58523
11/11 [=====] - 0s 9ms/step - loss: 0.5635 - accuracy: 0.7126 - val_loss: 0.5914 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 214/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5543 - accuracy: 0.7500
Epoch 214: val_loss did not improve from 0.58523
11/11 [=====] - 0s 9ms/step - loss: 0.5679 - accuracy: 0.7155 - val_loss: 0.5983 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 215/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5527 - accuracy: 0.6875
Epoch 215: val_loss did not improve from 0.58523
11/11 [=====] - 0s 8ms/step - loss: 0.5657 - accuracy: 0.
6638 - val_loss: 0.6196 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 216/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6544 - accuracy: 0.6562
Epoch 216: val_loss did not improve from 0.58523
11/11 [=====] - 0s 9ms/step - loss: 0.5781 - accuracy: 0.
6810 - val_loss: 0.5926 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 217/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6511 - accuracy: 0.5625
Epoch 217: val_loss did not improve from 0.58523
11/11 [=====] - 0s 8ms/step - loss: 0.5636 - accuracy: 0.
7184 - val_loss: 0.6036 - val_accuracy: 0.7000 - lr: 0.0090
Epoch 218/1000
11/11 [=====] - ETA: 0s - loss: 0.5613 - accuracy: 0.7213
Epoch 218: val_loss improved from 0.58523 to 0.58199, saving model to tmp/Weights-
218--0.58199.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5613 - accuracy:
0.7213 - val_loss: 0.5820 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 219/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5800 - accuracy: 0.6562
Epoch 219: val_loss did not improve from 0.58199
11/11 [=====] - 0s 8ms/step - loss: 0.5657 - accuracy: 0.
6925 - val_loss: 0.6014 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 220/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6079 - accuracy: 0.6562
Epoch 220: val_loss improved from 0.58199 to 0.58194, saving model to tmp/Weights-
220--0.58194.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5639 - accuracy:
0.7098 - val_loss: 0.5819 - val_accuracy: 0.7067 - lr: 0.0090
Epoch 221/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5395 - accuracy: 0.6875
Epoch 221: val_loss improved from 0.58194 to 0.58139, saving model to tmp/Weights-
221--0.58139.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5647 - accuracy:
0.6983 - val_loss: 0.5814 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 222/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5012 - accuracy: 0.8438
Epoch 222: val_loss did not improve from 0.58139
11/11 [=====] - 0s 9ms/step - loss: 0.5553 - accuracy: 0.
7069 - val_loss: 0.5968 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 223/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5841 - accuracy: 0.6562
Epoch 223: val_loss did not improve from 0.58139
11/11 [=====] - 0s 7ms/step - loss: 0.5582 - accuracy: 0.
7098 - val_loss: 0.5899 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 224/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5185 - accuracy: 0.7188
Epoch 224: val_loss improved from 0.58139 to 0.57937, saving model to tmp/Weights-
224--0.57937.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5581 - accuracy:
0.6954 - val_loss: 0.5794 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 225/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5443 - accuracy: 0.7188
Epoch 225: val_loss did not improve from 0.57937
11/11 [=====] - 0s 8ms/step - loss: 0.5604 - accuracy: 0.
7270 - val_loss: 0.5880 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 226/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5426 - accuracy: 0.6562
Epoch 226: val_loss did not improve from 0.57937
11/11 [=====] - 0s 10ms/step - loss: 0.5529 - accuracy:
0.6782 - val_loss: 0.5838 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 227/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5376 - accuracy: 0.7188
Epoch 227: val_loss did not improve from 0.57937
11/11 [=====] - 0s 9ms/step - loss: 0.5513 - accuracy: 0.
7011 - val_loss: 0.5844 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 228/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5264 - accuracy: 0.7188
Epoch 228: val_loss did not improve from 0.57937
11/11 [=====] - 0s 10ms/step - loss: 0.5467 - accuracy: 0.
7184 - val_loss: 0.5856 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 229/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5881 - accuracy: 0.7188
Epoch 229: val_loss improved from 0.57937 to 0.57742, saving model to tmp/Weights-229--0.57742.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5581 - accuracy: 0.
7040 - val_loss: 0.5774 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 230/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5292 - accuracy: 0.7500
Epoch 230: val_loss did not improve from 0.57742
11/11 [=====] - 0s 9ms/step - loss: 0.5460 - accuracy: 0.
7184 - val_loss: 0.5848 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 231/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6111 - accuracy: 0.6562
Epoch 231: val_loss did not improve from 0.57742
11/11 [=====] - 0s 9ms/step - loss: 0.5519 - accuracy: 0.
7098 - val_loss: 0.5843 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 232/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6185 - accuracy: 0.6250
Epoch 232: val_loss did not improve from 0.57742
11/11 [=====] - 0s 9ms/step - loss: 0.5544 - accuracy: 0.
7299 - val_loss: 0.5815 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 233/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4362 - accuracy: 0.8125
Epoch 233: val_loss did not improve from 0.57742
11/11 [=====] - 0s 9ms/step - loss: 0.5505 - accuracy: 0.
7213 - val_loss: 0.5895 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 234/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5429 - accuracy: 0.6562
Epoch 234: val_loss improved from 0.57742 to 0.57727, saving model to tmp/Weights-234--0.57727.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5490 - accuracy: 0.
7184 - val_loss: 0.5773 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 235/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5150 - accuracy: 0.7812
Epoch 235: val_loss did not improve from 0.57727
11/11 [=====] - 0s 9ms/step - loss: 0.5455 - accuracy: 0.
7299 - val_loss: 0.5866 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 236/1000
9/11 [=====>.....] - ETA: 0s - loss: 0.5507 - accuracy: 0.6910
Epoch 236: val_loss did not improve from 0.57727
11/11 [=====] - 0s 11ms/step - loss: 0.5536 - accuracy: 0.
6839 - val_loss: 0.5918 - val_accuracy: 0.7133 - lr: 0.0090
Epoch 237/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4867 - accuracy: 0.8125
Epoch 237: val_loss did not improve from 0.57727
11/11 [=====] - 0s 8ms/step - loss: 0.5470 - accuracy: 0.
7270 - val_loss: 0.5834 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 238/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5208 - accuracy: 0.6562
Epoch 238: val_loss did not improve from 0.57727
11/11 [=====] - 0s 8ms/step - loss: 0.5478 - accuracy: 0.
6868 - val_loss: 0.5777 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 239/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5531 - accuracy: 0.7188
Epoch 239: val_loss did not improve from 0.57727
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11/11 [=====] - 0s 8ms/step - loss: 0.5403 - accuracy: 0.7328 - val_loss: 0.5805 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 240/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5419 - accuracy: 0.6875
Epoch 240: val_loss improved from 0.57727 to 0.57126, saving model to tmp/Weights-240--0.57126.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5441 - accuracy: 0.7241 - val_loss: 0.5713 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 241/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6170 - accuracy: 0.6562
Epoch 241: val_loss did not improve from 0.57126
11/11 [=====] - 0s 9ms/step - loss: 0.5479 - accuracy: 0.7213 - val_loss: 0.5811 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 242/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5538 - accuracy: 0.8438
Epoch 242: val_loss did not improve from 0.57126
11/11 [=====] - 0s 8ms/step - loss: 0.5406 - accuracy: 0.7213 - val_loss: 0.5887 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 243/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4978 - accuracy: 0.7812
Epoch 243: val_loss did not improve from 0.57126
11/11 [=====] - 0s 8ms/step - loss: 0.5479 - accuracy: 0.7155 - val_loss: 0.5780 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 244/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4908 - accuracy: 0.7188
Epoch 244: val_loss did not improve from 0.57126
11/11 [=====] - 0s 8ms/step - loss: 0.5413 - accuracy: 0.7213 - val_loss: 0.5761 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 245/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5823 - accuracy: 0.6875
Epoch 245: val_loss did not improve from 0.57126
11/11 [=====] - 0s 8ms/step - loss: 0.5494 - accuracy: 0.6983 - val_loss: 0.5795 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 246/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5967 - accuracy: 0.6250
Epoch 246: val_loss did not improve from 0.57126
11/11 [=====] - 0s 8ms/step - loss: 0.5419 - accuracy: 0.7356 - val_loss: 0.5813 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 247/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4702 - accuracy: 0.8438
Epoch 247: val_loss did not improve from 0.57126
11/11 [=====] - 0s 8ms/step - loss: 0.5459 - accuracy: 0.7270 - val_loss: 0.5817 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 248/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5750 - accuracy: 0.6875
Epoch 248: val_loss did not improve from 0.57126
11/11 [=====] - 0s 8ms/step - loss: 0.5445 - accuracy: 0.7299 - val_loss: 0.5864 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 249/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5731 - accuracy: 0.6875
Epoch 249: val_loss improved from 0.57126 to 0.56942, saving model to tmp/Weights-249--0.56942.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5421 - accuracy: 0.7213 - val_loss: 0.5694 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 250/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4605 - accuracy: 0.8438
Epoch 250: val_loss did not improve from 0.56942
11/11 [=====] - 0s 9ms/step - loss: 0.5380 - accuracy: 0.7098 - val_loss: 0.5948 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 251/1000
11/11 [=====] - ETA: 0s - loss: 0.5488 - accuracy: 0.7385
Epoch 251: val_loss did not improve from 0.56942
11/11 [=====] - 0s 10ms/step - loss: 0.5488 - accuracy: 0.7385 - val_loss: 0.5741 - val_accuracy: 0.6467 - lr: 0.0090
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Epoch 252/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5281 - accuracy: 0.7500
Epoch 252: val_loss did not improve from 0.56942
11/11 [=====] - 0s 9ms/step - loss: 0.5515 - accuracy: 0.
6753 - val_loss: 0.5744 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 253/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5394 - accuracy: 0.6562
Epoch 253: val_loss improved from 0.56942 to 0.56863, saving model to tmp/Weights-
253--0.56863.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5490 - accuracy:
0.6897 - val_loss: 0.5686 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 254/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4940 - accuracy: 0.6875
Epoch 254: val_loss did not improve from 0.56863
11/11 [=====] - 0s 8ms/step - loss: 0.5505 - accuracy: 0.
7040 - val_loss: 0.6256 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 255/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4651 - accuracy: 0.8438
Epoch 255: val_loss did not improve from 0.56863
11/11 [=====] - 0s 8ms/step - loss: 0.5564 - accuracy: 0.
7069 - val_loss: 0.5692 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 256/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5501 - accuracy: 0.5938
Epoch 256: val_loss did not improve from 0.56863
11/11 [=====] - 0s 8ms/step - loss: 0.5502 - accuracy: 0.
6983 - val_loss: 0.5748 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 257/1000
11/11 [=====] - ETA: 0s - loss: 0.5400 - accuracy: 0.7011
Epoch 257: val_loss did not improve from 0.56863
11/11 [=====] - 0s 11ms/step - loss: 0.5400 - accuracy:
0.7011 - val_loss: 0.5724 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 258/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5800 - accuracy: 0.8125
Epoch 258: val_loss improved from 0.56863 to 0.56775, saving model to tmp/Weights-
258--0.56775.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5387 - accuracy:
0.7328 - val_loss: 0.5677 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 259/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5194 - accuracy: 0.7188
Epoch 259: val_loss did not improve from 0.56775
11/11 [=====] - 0s 9ms/step - loss: 0.5337 - accuracy: 0.
7241 - val_loss: 0.5780 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 260/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3767 - accuracy: 0.9062
Epoch 260: val_loss did not improve from 0.56775
11/11 [=====] - 0s 10ms/step - loss: 0.5321 - accuracy:
0.7328 - val_loss: 0.5704 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 261/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4634 - accuracy: 0.8438
Epoch 261: val_loss did not improve from 0.56775
11/11 [=====] - 0s 9ms/step - loss: 0.5385 - accuracy: 0.
7299 - val_loss: 0.5913 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 262/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5194 - accuracy: 0.8750
Epoch 262: val_loss did not improve from 0.56775
11/11 [=====] - 0s 9ms/step - loss: 0.5457 - accuracy: 0.
7098 - val_loss: 0.5724 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 263/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5443 - accuracy: 0.7500
Epoch 263: val_loss did not improve from 0.56775
11/11 [=====] - 0s 8ms/step - loss: 0.5506 - accuracy: 0.
7155 - val_loss: 0.5847 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 264/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4906 - accuracy: 0.7500
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Epoch 264: val_loss did not improve from 0.56775
11/11 [=====] - 0s 9ms/step - loss: 0.5433 - accuracy: 0.
6782 - val_loss: 0.5738 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 265/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5563 - accuracy: 0.7500
Epoch 265: val_loss did not improve from 0.56775
11/11 [=====] - 0s 9ms/step - loss: 0.5390 - accuracy: 0.
7328 - val_loss: 0.5733 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 266/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4565 - accuracy: 0.8125
Epoch 266: val_loss improved from 0.56775 to 0.56219, saving model to tmp/Weights-266--0.56219.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5452 - accuracy: 0.
7126 - val_loss: 0.5622 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 267/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3507 - accuracy: 0.8750
Epoch 267: val_loss did not improve from 0.56219
11/11 [=====] - 0s 9ms/step - loss: 0.5494 - accuracy: 0.
6810 - val_loss: 0.5783 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 268/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5828 - accuracy: 0.6750
Epoch 268: val_loss did not improve from 0.56219
11/11 [=====] - 0s 11ms/step - loss: 0.5831 - accuracy: 0.
6753 - val_loss: 0.5873 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 269/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6050 - accuracy: 0.6562
Epoch 269: val_loss did not improve from 0.56219
11/11 [=====] - 0s 8ms/step - loss: 0.5597 - accuracy: 0.
7098 - val_loss: 0.5781 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 270/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4762 - accuracy: 0.7812
Epoch 270: val_loss did not improve from 0.56219
11/11 [=====] - 0s 9ms/step - loss: 0.5492 - accuracy: 0.
7098 - val_loss: 0.5834 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 271/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5385 - accuracy: 0.6562
Epoch 271: val_loss did not improve from 0.56219
11/11 [=====] - 0s 9ms/step - loss: 0.5378 - accuracy: 0.
6983 - val_loss: 0.5854 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 272/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4741 - accuracy: 0.8125
Epoch 272: val_loss did not improve from 0.56219
11/11 [=====] - 0s 8ms/step - loss: 0.5462 - accuracy: 0.
7011 - val_loss: 0.6005 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 273/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5155 - accuracy: 0.7812
Epoch 273: val_loss did not improve from 0.56219
11/11 [=====] - 0s 9ms/step - loss: 0.5333 - accuracy: 0.
7184 - val_loss: 0.6126 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 274/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6448 - accuracy: 0.5938
Epoch 274: val_loss did not improve from 0.56219
11/11 [=====] - 0s 9ms/step - loss: 0.5450 - accuracy: 0.
7241 - val_loss: 0.5931 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 275/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4939 - accuracy: 0.7188
Epoch 275: val_loss did not improve from 0.56219
11/11 [=====] - 0s 9ms/step - loss: 0.5418 - accuracy: 0.
7011 - val_loss: 0.5625 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 276/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5745 - accuracy: 0.6250
Epoch 276: val_loss did not improve from 0.56219
11/11 [=====] - 0s 9ms/step - loss: 0.5429 - accuracy: 0.
7299 - val_loss: 0.5736 - val_accuracy: 0.6733 - lr: 0.0090
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Epoch 277/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5316 - accuracy: 0.6875
Epoch 277: val_loss did not improve from 0.56219
11/11 [=====] - 0s 8ms/step - loss: 0.5563 - accuracy: 0.
6954 - val_loss: 0.6039 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 278/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5625 - accuracy: 0.5938
Epoch 278: val_loss did not improve from 0.56219
11/11 [=====] - 0s 9ms/step - loss: 0.5443 - accuracy: 0.
7040 - val_loss: 0.5746 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 279/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5871 - accuracy: 0.7188
Epoch 279: val_loss did not improve from 0.56219
11/11 [=====] - 0s 9ms/step - loss: 0.5331 - accuracy: 0.
6983 - val_loss: 0.5738 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 280/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5000 - accuracy: 0.8750
Epoch 280: val_loss did not improve from 0.56219
11/11 [=====] - 0s 9ms/step - loss: 0.5354 - accuracy: 0.
7241 - val_loss: 0.5821 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 281/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5962 - accuracy: 0.5625
Epoch 281: val_loss did not improve from 0.56219
11/11 [=====] - 0s 9ms/step - loss: 0.5385 - accuracy: 0.
7299 - val_loss: 0.5740 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 282/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4461 - accuracy: 0.7812
Epoch 282: val_loss did not improve from 0.56219
11/11 [=====] - 0s 10ms/step - loss: 0.5313 - accuracy: 0.
7011 - val_loss: 0.5688 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 283/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4773 - accuracy: 0.7500
Epoch 283: val_loss improved from 0.56219 to 0.56029, saving model to tmp/Weights-283--0.56029.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5277 - accuracy: 0.
7241 - val_loss: 0.5603 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 284/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5543 - accuracy: 0.6562
Epoch 284: val_loss did not improve from 0.56029
11/11 [=====] - 0s 9ms/step - loss: 0.5229 - accuracy: 0.
7241 - val_loss: 0.5704 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 285/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5275 - accuracy: 0.7500
Epoch 285: val_loss did not improve from 0.56029
11/11 [=====] - 0s 9ms/step - loss: 0.5268 - accuracy: 0.
7328 - val_loss: 0.5763 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 286/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5953 - accuracy: 0.5625
Epoch 286: val_loss improved from 0.56029 to 0.55749, saving model to tmp/Weights-286--0.55749.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5565 - accuracy: 0.
6810 - val_loss: 0.5575 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 287/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6042 - accuracy: 0.6250
Epoch 287: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5411 - accuracy: 0.
6897 - val_loss: 0.5764 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 288/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5637 - accuracy: 0.6875
Epoch 288: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5323 - accuracy: 0.
7471 - val_loss: 0.5727 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 289/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5342 - accuracy: 0.7500
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Epoch 289: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5304 - accuracy: 0.
7241 - val_loss: 0.5785 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 290/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5636 - accuracy: 0.6875
Epoch 290: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5528 - accuracy: 0.
6782 - val_loss: 0.5755 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 291/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5413 - accuracy: 0.7500
Epoch 291: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5312 - accuracy: 0.
7385 - val_loss: 0.5677 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 292/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5290 - accuracy: 0.7500
Epoch 292: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5237 - accuracy: 0.
7241 - val_loss: 0.5707 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 293/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3992 - accuracy: 0.8438
Epoch 293: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5299 - accuracy: 0.
7385 - val_loss: 0.5690 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 294/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4727 - accuracy: 0.7500
Epoch 294: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5267 - accuracy: 0.
6897 - val_loss: 0.5729 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 295/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5864 - accuracy: 0.5625
Epoch 295: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5280 - accuracy: 0.
7241 - val_loss: 0.5682 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 296/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5385 - accuracy: 0.7188
Epoch 296: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5351 - accuracy: 0.
7184 - val_loss: 0.5746 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 297/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5407 - accuracy: 0.6875
Epoch 297: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5311 - accuracy: 0.
7040 - val_loss: 0.5756 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 298/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4980 - accuracy: 0.6562
Epoch 298: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5207 - accuracy: 0.
7299 - val_loss: 0.5616 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 299/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5234 - accuracy: 0.7188
Epoch 299: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5174 - accuracy: 0.
7328 - val_loss: 0.5722 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 300/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5247 - accuracy: 0.7188
Epoch 300: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5228 - accuracy: 0.
7414 - val_loss: 0.5660 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 301/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4876 - accuracy: 0.7500
Epoch 301: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5340 - accuracy: 0.
7011 - val_loss: 0.5899 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 302/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.6505 - accuracy: 0.6250
Epoch 302: val_loss did not improve from 0.55749
11/11 [=====] - 0s 10ms/step - loss: 0.5280 - accuracy: 0.7270 - val_loss: 0.5660 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 303/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4707 - accuracy: 0.8438
Epoch 303: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5297 - accuracy: 0.7414 - val_loss: 0.5710 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 304/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5254 - accuracy: 0.7500
Epoch 304: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5356 - accuracy: 0.7184 - val_loss: 0.5722 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 305/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4385 - accuracy: 0.8438
Epoch 305: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5344 - accuracy: 0.7184 - val_loss: 0.5845 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 306/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4894 - accuracy: 0.7500
Epoch 306: val_loss did not improve from 0.55749
11/11 [=====] - 0s 7ms/step - loss: 0.5385 - accuracy: 0.6839 - val_loss: 0.6022 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 307/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5567 - accuracy: 0.6250
Epoch 307: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5222 - accuracy: 0.7126 - val_loss: 0.5586 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 308/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5623 - accuracy: 0.6250
Epoch 308: val_loss did not improve from 0.55749
11/11 [=====] - 0s 10ms/step - loss: 0.5201 - accuracy: 0.7069 - val_loss: 0.5635 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 309/1000
11/11 [=====] - ETA: 0s - loss: 0.5178 - accuracy: 0.7443
Epoch 309: val_loss did not improve from 0.55749
11/11 [=====] - 0s 10ms/step - loss: 0.5178 - accuracy: 0.7443 - val_loss: 0.5823 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 310/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4767 - accuracy: 0.7812
Epoch 310: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5286 - accuracy: 0.7241 - val_loss: 0.5622 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 311/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5884 - accuracy: 0.7188
Epoch 311: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5180 - accuracy: 0.7299 - val_loss: 0.5686 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 312/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4855 - accuracy: 0.8125
Epoch 312: val_loss did not improve from 0.55749
11/11 [=====] - 0s 10ms/step - loss: 0.5220 - accuracy: 0.7270 - val_loss: 0.5721 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 313/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5508 - accuracy: 0.6250
Epoch 313: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5354 - accuracy: 0.7213 - val_loss: 0.5666 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 314/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4569 - accuracy: 0.7812
Epoch 314: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5538 - accuracy: 0.7069 - val_loss: 0.6482 - val_accuracy: 0.6000 - lr: 0.0090
```

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Epoch 315/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6211 - accuracy: 0.6875
Epoch 315: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5313 - accuracy: 0.
7155 - val_loss: 0.5946 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 316/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4894 - accuracy: 0.7188
Epoch 316: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5227 - accuracy: 0.
7270 - val_loss: 0.5877 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 317/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4664 - accuracy: 0.7188
Epoch 317: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5263 - accuracy: 0.
7069 - val_loss: 0.5675 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 318/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4598 - accuracy: 0.7812
Epoch 318: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5229 - accuracy: 0.
7241 - val_loss: 0.5761 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 319/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4305 - accuracy: 0.7812
Epoch 319: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5244 - accuracy: 0.
7213 - val_loss: 0.6021 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 320/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5446 - accuracy: 0.7500
Epoch 320: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5264 - accuracy: 0.
7155 - val_loss: 0.5627 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 321/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5393 - accuracy: 0.6562
Epoch 321: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5252 - accuracy: 0.
7213 - val_loss: 0.6022 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 322/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5678 - accuracy: 0.6562
Epoch 322: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5217 - accuracy: 0.
7184 - val_loss: 0.5703 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 323/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4480 - accuracy: 0.8438
Epoch 323: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5323 - accuracy: 0.
7155 - val_loss: 0.5770 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 324/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5136 - accuracy: 0.7469
Epoch 324: val_loss did not improve from 0.55749
11/11 [=====] - 0s 11ms/step - loss: 0.5245 - accuracy: 0.
7328 - val_loss: 0.5620 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 325/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5057 - accuracy: 0.7812
Epoch 325: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5213 - accuracy: 0.
7069 - val_loss: 0.5774 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 326/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4456 - accuracy: 0.8750
Epoch 326: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5143 - accuracy: 0.
7471 - val_loss: 0.5664 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 327/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5605 - accuracy: 0.7188
Epoch 327: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5200 - accuracy: 0.
```

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6983 - val_loss: 0.5674 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 328/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4389 - accuracy: 0.7812
Epoch 328: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5324 - accuracy: 0.
7011 - val_loss: 0.5725 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 329/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5292 - accuracy: 0.7188
Epoch 329: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5221 - accuracy: 0.
7270 - val_loss: 0.5735 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 330/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3477 - accuracy: 0.8438
Epoch 330: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5141 - accuracy: 0.
7155 - val_loss: 0.5678 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 331/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5890 - accuracy: 0.5938
Epoch 331: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5170 - accuracy: 0.
7500 - val_loss: 0.5761 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 332/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5170 - accuracy: 0.7500
Epoch 332: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5229 - accuracy: 0.
7098 - val_loss: 0.5786 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 333/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6370 - accuracy: 0.6250
Epoch 333: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5187 - accuracy: 0.
7328 - val_loss: 0.5656 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 334/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5670 - accuracy: 0.6250
Epoch 334: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5116 - accuracy: 0.
7414 - val_loss: 0.5635 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 335/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5203 - accuracy: 0.7219
Epoch 335: val_loss did not improve from 0.55749
11/11 [=====] - 0s 10ms/step - loss: 0.5167 - accuracy: 0.
7270 - val_loss: 0.5706 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 336/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5233 - accuracy: 0.6875
Epoch 336: val_loss did not improve from 0.55749

Epoch 336: ReduceLROnPlateau reducing learning rate to 0.006299999728798866.
11/11 [=====] - 0s 8ms/step - loss: 0.5221 - accuracy: 0.
7328 - val_loss: 0.5664 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 337/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4715 - accuracy: 0.7500
Epoch 337: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5158 - accuracy: 0.
7184 - val_loss: 0.5712 - val_accuracy: 0.6533 - lr: 0.0063
Epoch 338/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5733 - accuracy: 0.7188
Epoch 338: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5151 - accuracy: 0.
7299 - val_loss: 0.5758 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 339/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5268 - accuracy: 0.8125
Epoch 339: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5157 - accuracy: 0.
7471 - val_loss: 0.5676 - val_accuracy: 0.6400 - lr: 0.0063
Epoch 340/1000
```

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1/11 [=>.....] - ETA: 0s - loss: 0.5657 - accuracy: 0.6250
Epoch 340: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5155 - accuracy: 0.
7213 - val_loss: 0.5648 - val_accuracy: 0.6733 - lr: 0.0063
Epoch 341/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5705 - accuracy: 0.6875
Epoch 341: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5113 - accuracy: 0.
7385 - val_loss: 0.5656 - val_accuracy: 0.6600 - lr: 0.0063
Epoch 342/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5362 - accuracy: 0.6875
Epoch 342: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5149 - accuracy: 0.
7213 - val_loss: 0.5780 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 343/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5191 - accuracy: 0.7188
Epoch 343: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5092 - accuracy: 0.
7443 - val_loss: 0.5618 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 344/1000
11/11 [=====] - ETA: 0s - loss: 0.5118 - accuracy: 0.7270
Epoch 344: val_loss did not improve from 0.55749
11/11 [=====] - 0s 10ms/step - loss: 0.5118 - accuracy: 0.
7270 - val_loss: 0.5590 - val_accuracy: 0.6733 - lr: 0.0063
Epoch 345/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5535 - accuracy: 0.6875
Epoch 345: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5151 - accuracy: 0.
7356 - val_loss: 0.5720 - val_accuracy: 0.6533 - lr: 0.0063
Epoch 346/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5909 - accuracy: 0.6562
Epoch 346: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5146 - accuracy: 0.
7069 - val_loss: 0.5600 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 347/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5937 - accuracy: 0.6875
Epoch 347: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5086 - accuracy: 0.
7557 - val_loss: 0.5749 - val_accuracy: 0.6800 - lr: 0.0063
Epoch 348/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5908 - accuracy: 0.6250
Epoch 348: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5154 - accuracy: 0.
7155 - val_loss: 0.5651 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 349/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5233 - accuracy: 0.7812
Epoch 349: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5124 - accuracy: 0.
7471 - val_loss: 0.5735 - val_accuracy: 0.6733 - lr: 0.0063
Epoch 350/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4314 - accuracy: 0.9062
Epoch 350: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5077 - accuracy: 0.
7443 - val_loss: 0.5644 - val_accuracy: 0.6467 - lr: 0.0063
Epoch 351/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5514 - accuracy: 0.6562
Epoch 351: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5175 - accuracy: 0.
7155 - val_loss: 0.5719 - val_accuracy: 0.6400 - lr: 0.0063
Epoch 352/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4610 - accuracy: 0.7500
Epoch 352: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5236 - accuracy: 0.
7270 - val_loss: 0.5646 - val_accuracy: 0.6600 - lr: 0.0063
```

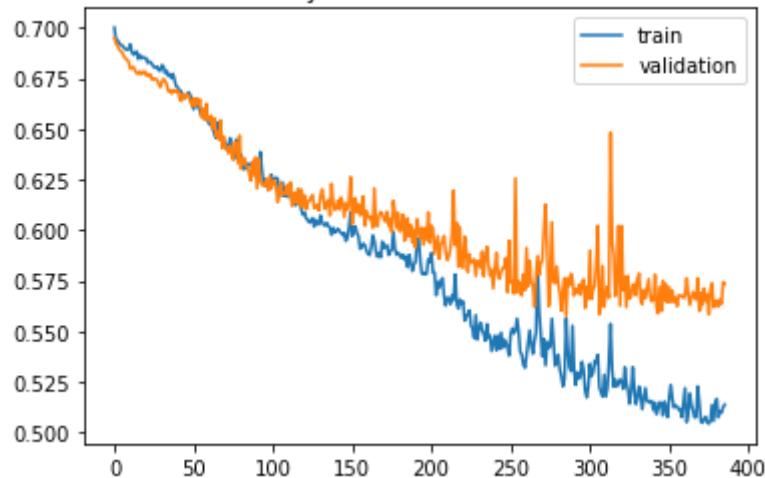
```
Epoch 353/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4722 - accuracy: 0.7500
Epoch 353: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5169 - accuracy: 0.
7011 - val_loss: 0.5703 - val_accuracy: 0.6600 - lr: 0.0063
Epoch 354/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4233 - accuracy: 0.9062
Epoch 354: val_loss did not improve from 0.55749
11/11 [=====] - 0s 10ms/step - loss: 0.5125 - accuracy: 0.
7385 - val_loss: 0.5644 - val_accuracy: 0.6400 - lr: 0.0063
Epoch 355/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5225 - accuracy: 0.6875
Epoch 355: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5134 - accuracy: 0.
7184 - val_loss: 0.5667 - val_accuracy: 0.6533 - lr: 0.0063
Epoch 356/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4998 - accuracy: 0.7188
Epoch 356: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5130 - accuracy: 0.
7241 - val_loss: 0.5625 - val_accuracy: 0.6600 - lr: 0.0063
Epoch 357/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5293 - accuracy: 0.7188
Epoch 357: val_loss did not improve from 0.55749
11/11 [=====] - 0s 7ms/step - loss: 0.5115 - accuracy: 0.
7241 - val_loss: 0.5679 - val_accuracy: 0.6400 - lr: 0.0063
Epoch 358/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5128 - accuracy: 0.8438
Epoch 358: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5117 - accuracy: 0.
7500 - val_loss: 0.5675 - val_accuracy: 0.6533 - lr: 0.0063
Epoch 359/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4393 - accuracy: 0.7500
Epoch 359: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5077 - accuracy: 0.
7270 - val_loss: 0.5678 - val_accuracy: 0.6467 - lr: 0.0063
Epoch 360/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4501 - accuracy: 0.8125
Epoch 360: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5152 - accuracy: 0.
7443 - val_loss: 0.5666 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 361/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5994 - accuracy: 0.6562
Epoch 361: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5220 - accuracy: 0.
7011 - val_loss: 0.5676 - val_accuracy: 0.6200 - lr: 0.0063
Epoch 362/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5251 - accuracy: 0.6562
Epoch 362: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5052 - accuracy: 0.
7356 - val_loss: 0.5763 - val_accuracy: 0.6800 - lr: 0.0063
Epoch 363/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6538 - accuracy: 0.6250
Epoch 363: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5089 - accuracy: 0.
7471 - val_loss: 0.5688 - val_accuracy: 0.6533 - lr: 0.0063
Epoch 364/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5137 - accuracy: 0.8125
Epoch 364: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5194 - accuracy: 0.
7040 - val_loss: 0.5631 - val_accuracy: 0.6733 - lr: 0.0063
Epoch 365/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4367 - accuracy: 0.8750
Epoch 365: val_loss did not improve from 0.55749
11/11 [=====] - 0s 10ms/step - loss: 0.5138 - accuracy:
```

```
0.7356 - val_loss: 0.5665 - val_accuracy: 0.6533 - lr: 0.0063
Epoch 366/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5701 - accuracy: 0.6562
Epoch 366: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5112 - accuracy: 0.
7241 - val_loss: 0.5695 - val_accuracy: 0.6600 - lr: 0.0063
Epoch 367/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5184 - accuracy: 0.7500
Epoch 367: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5075 - accuracy: 0.
7414 - val_loss: 0.5673 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 368/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4207 - accuracy: 0.7812
Epoch 368: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5229 - accuracy: 0.
7126 - val_loss: 0.5763 - val_accuracy: 0.6600 - lr: 0.0063
Epoch 369/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4636 - accuracy: 0.8438
Epoch 369: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5150 - accuracy: 0.
7299 - val_loss: 0.5601 - val_accuracy: 0.6733 - lr: 0.0063
Epoch 370/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5092 - accuracy: 0.7812
Epoch 370: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5056 - accuracy: 0.
7414 - val_loss: 0.5689 - val_accuracy: 0.6533 - lr: 0.0063
Epoch 371/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4428 - accuracy: 0.7500
Epoch 371: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5049 - accuracy: 0.
7443 - val_loss: 0.5630 - val_accuracy: 0.6467 - lr: 0.0063
Epoch 373/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4671 - accuracy: 0.8750
Epoch 373: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5069 - accuracy: 0.
7529 - val_loss: 0.5712 - val_accuracy: 0.6400 - lr: 0.0063
Epoch 374/1000
11/11 [=====] - ETA: 0s - loss: 0.5079 - accuracy: 0.7385
Epoch 374: val_loss did not improve from 0.55749
11/11 [=====] - 0s 10ms/step - loss: 0.5079 - accuracy:
0.7385 - val_loss: 0.5650 - val_accuracy: 0.6733 - lr: 0.0063
Epoch 375/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4624 - accuracy: 0.8125
Epoch 375: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5052 - accuracy: 0.
7471 - val_loss: 0.5684 - val_accuracy: 0.6533 - lr: 0.0063
Epoch 376/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5044 - accuracy: 0.7312
Epoch 376: val_loss did not improve from 0.55749
11/11 [=====] - 0s 11ms/step - loss: 0.5045 - accuracy:
0.7356 - val_loss: 0.5585 - val_accuracy: 0.6800 - lr: 0.0063
Epoch 377/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4270 - accuracy: 0.7812
Epoch 377: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5059 - accuracy: 0.
7385 - val_loss: 0.5706 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 378/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4317 - accuracy: 0.8438
Epoch 378: val_loss did not improve from 0.55749
```

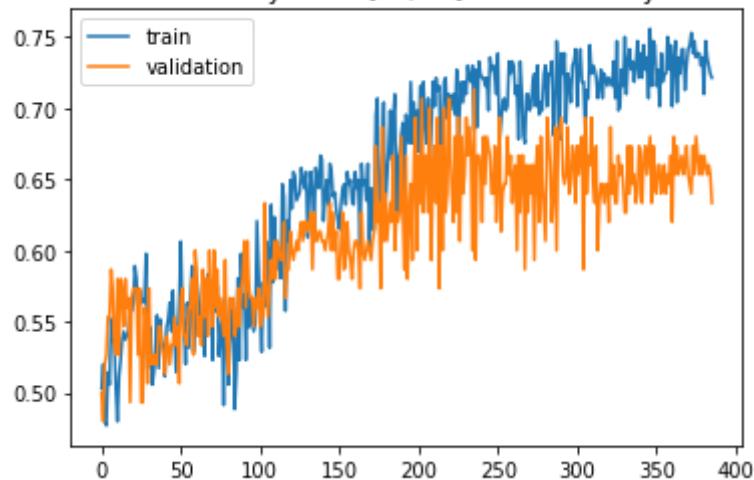
```
11/11 [=====] - 0s 9ms/step - loss: 0.5137 - accuracy: 0.7385 - val_loss: 0.5738 - val_accuracy: 0.6533 - lr: 0.0063
Epoch 379/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4884 - accuracy: 0.8125
Epoch 379: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5058 - accuracy: 0.7299 - val_loss: 0.5619 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 380/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4702 - accuracy: 0.7812
Epoch 380: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5142 - accuracy: 0.7356 - val_loss: 0.5651 - val_accuracy: 0.6533 - lr: 0.0063
Epoch 381/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5628 - accuracy: 0.7188
Epoch 381: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5167 - accuracy: 0.7098 - val_loss: 0.5651 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 382/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5569 - accuracy: 0.7500
Epoch 382: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5076 - accuracy: 0.7471 - val_loss: 0.5622 - val_accuracy: 0.6600 - lr: 0.0063
Epoch 383/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5273 - accuracy: 0.7500
Epoch 383: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5102 - accuracy: 0.7356 - val_loss: 0.5658 - val_accuracy: 0.6533 - lr: 0.0063
Epoch 384/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5425 - accuracy: 0.7188
Epoch 384: val_loss did not improve from 0.55749
11/11 [=====] - 0s 8ms/step - loss: 0.5099 - accuracy: 0.7299 - val_loss: 0.5636 - val_accuracy: 0.6600 - lr: 0.0063
Epoch 385/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5474 - accuracy: 0.6562
Epoch 385: val_loss did not improve from 0.55749
11/11 [=====] - 0s 9ms/step - loss: 0.5126 - accuracy: 0.7241 - val_loss: 0.5743 - val_accuracy: 0.6533 - lr: 0.0063
Epoch 386/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4455 - accuracy: 0.8750
Epoch 386: val_loss did not improve from 0.55749

Epoch 386: ReduceLROnPlateau reducing learning rate to 0.004409999679774046.
11/11 [=====] - 0s 10ms/step - loss: 0.5139 - accuracy: 0.7213 - val_loss: 0.5736 - val_accuracy: 0.6333 - lr: 0.0063
Epoch 386: early stopping
Final training loss for double layer and [16, 12] nodes: 0.5138993263244629
Final training accuracy for double layer and [16, 12] nodes 0.7212643623352051
Final validation loss for double layer and [16, 12] nodes 0.57359379529953
Final validation accuracy for double layer and [16, 12] nodes 0.633333253860474
```

double layer and [16, 12] node : Loss



double layer and [16, 12] node: Accuracy



>>>>>>>>>>>>>> Model training with double hidden layer and [16, 16] node>>>
>>>>>>>>

Model: "sequential_48"

Layer (type)	Output Shape	Param #
<hr/>		
dense_132 (Dense)	(None, 16)	48
dense_133 (Dense)	(None, 16)	272
dense_134 (Dense)	(None, 1)	17
<hr/>		
Total params: 337		
Trainable params: 337		
Non-trainable params: 0		

None
Epoch 1/1000
1/11 [=>.....] - ETA: 7s - loss: 0.6912 - accuracy: 0.5625
Epoch 1: val_loss improved from inf to 0.69358, saving model to tmp/Weights-001--0.69358.hdf5
11/11 [=====] - 1s 31ms/step - loss: 0.6991 - accuracy: 0.5172 - val_loss: 0.6936 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 2/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7204 - accuracy: 0.3750
Epoch 2: val_loss improved from 0.69358 to 0.69210, saving model to tmp/Weights-002--0.69210.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6971 - accuracy: 0.4971 - val_loss: 0.6921 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 3/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6867 - accuracy: 0.6562
Epoch 3: val_loss improved from 0.69210 to 0.69054, saving model to tmp/Weights-003--0.69054.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6944 - accuracy: 0.5086 - val_loss: 0.6905 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 4/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6895 - accuracy: 0.5000
Epoch 4: val_loss improved from 0.69054 to 0.68892, saving model to tmp/Weights-004--0.68892.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6928 - accuracy: 0.5230 - val_loss: 0.6889 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 5/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7011 - accuracy: 0.5000
Epoch 5: val_loss improved from 0.68892 to 0.68693, saving model to tmp/Weights-005--0.68693.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6912 - accuracy: 0.5172 - val_loss: 0.6869 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 6/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6809 - accuracy: 0.5938
Epoch 6: val_loss improved from 0.68693 to 0.68449, saving model to tmp/Weights-006--0.68449.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6905 - accuracy: 0.5029 - val_loss: 0.6845 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 7/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6681 - accuracy: 0.6562
Epoch 7: val_loss did not improve from 0.68449
11/11 [=====] - 0s 9ms/step - loss: 0.6890 - accuracy: 0.5000 - val_loss: 0.6856 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 8/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6848 - accuracy: 0.5312

```
Epoch 8: val_loss improved from 0.68449 to 0.68354, saving model to tmp/Weights-00
8--0.68354.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6888 - accuracy: 0.5115
  - val_loss: 0.6835 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 9/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6903 - accuracy: 0.5312
Epoch 9: val_loss improved from 0.68354 to 0.68256, saving model to tmp/Weights-00
9--0.68256.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6878 - accuracy: 0.5661
  - val_loss: 0.6826 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 10/1000
  10/11 [=====>...] - ETA: 0s - loss: 0.6880 - accuracy: 0.5219
Epoch 10: val_loss improved from 0.68256 to 0.68188, saving model to tmp/Weights-0
10--0.68188.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6886 - accuracy: 0.5144
  - val_loss: 0.6819 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 11/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6869 - accuracy: 0.4375
Epoch 11: val_loss improved from 0.68188 to 0.68110, saving model to tmp/Weights-0
11--0.68110.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6900 - accuracy: 0.5144
  - val_loss: 0.6811 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 12/1000
  11/11 [=====] - ETA: 0s - loss: 0.6872 - accuracy: 0.5374
Epoch 12: val_loss did not improve from 0.68110
  11/11 [=====] - 0s 11ms/step - loss: 0.6872 - accuracy: 0.5374
  - val_loss: 0.6819 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 13/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6616 - accuracy: 0.6250
Epoch 13: val_loss improved from 0.68110 to 0.68044, saving model to tmp/Weights-0
13--0.68044.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6861 - accuracy: 0.5230
  - val_loss: 0.6804 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 14/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6981 - accuracy: 0.4375
Epoch 14: val_loss did not improve from 0.68044
  11/11 [=====] - 0s 9ms/step - loss: 0.6856 - accuracy: 0.
5316
  - val_loss: 0.6815 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 15/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6796 - accuracy: 0.6250
Epoch 15: val_loss improved from 0.68044 to 0.67980, saving model to tmp/Weights-0
15--0.67980.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6862 - accuracy: 0.5603
  - val_loss: 0.6798 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 16/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6475 - accuracy: 0.8438
Epoch 16: val_loss improved from 0.67980 to 0.67876, saving model to tmp/Weights-0
16--0.67876.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6842 - accuracy: 0.5489
  - val_loss: 0.6788 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 17/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6705 - accuracy: 0.5938
Epoch 17: val_loss improved from 0.67876 to 0.67774, saving model to tmp/Weights-0
17--0.67774.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6855 - accuracy: 0.5374
  - val_loss: 0.6777 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 18/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6728 - accuracy: 0.5938
Epoch 18: val_loss improved from 0.67774 to 0.67600, saving model to tmp/Weights-0
18--0.67600.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6822 - accuracy: 0.5345
  - val_loss: 0.6760 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 19/1000
  1/11 [=>.....] - ETA: 0s - loss: 0.6399 - accuracy: 0.7188
```

```
Epoch 19: val_loss improved from 0.67600 to 0.67512, saving model to tmp/Weights-0
19--0.67512.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6826 - accuracy:
0.5431 - val_loss: 0.6751 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 20/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6651 - accuracy: 0.5625
Epoch 20: val_loss did not improve from 0.67512
11/11 [=====] - 0s 8ms/step - loss: 0.6825 - accuracy: 0.
5316 - val_loss: 0.6755 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 21/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6935 - accuracy: 0.4688
Epoch 21: val_loss improved from 0.67512 to 0.67475, saving model to tmp/Weights-0
21--0.67475.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6820 - accuracy:
0.5172 - val_loss: 0.6747 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 22/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6880 - accuracy: 0.4688
Epoch 22: val_loss improved from 0.67475 to 0.67393, saving model to tmp/Weights-0
22--0.67393.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6794 - accuracy:
0.5287 - val_loss: 0.6739 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 23/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6596 - accuracy: 0.6250
Epoch 23: val_loss improved from 0.67393 to 0.67275, saving model to tmp/Weights-0
23--0.67275.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6791 - accuracy:
0.5086 - val_loss: 0.6727 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 24/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6983 - accuracy: 0.4688
Epoch 24: val_loss did not improve from 0.67275
11/11 [=====] - 0s 8ms/step - loss: 0.6795 - accuracy: 0.
5489 - val_loss: 0.6741 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 25/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6985 - accuracy: 0.4375
Epoch 25: val_loss improved from 0.67275 to 0.67070, saving model to tmp/Weights-0
25--0.67070.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6770 - accuracy:
0.5316 - val_loss: 0.6707 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 26/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7037 - accuracy: 0.4062
Epoch 26: val_loss did not improve from 0.67070
11/11 [=====] - 0s 9ms/step - loss: 0.6756 - accuracy: 0.
5201 - val_loss: 0.6747 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 27/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6458 - accuracy: 0.4688
Epoch 27: val_loss did not improve from 0.67070
11/11 [=====] - 0s 9ms/step - loss: 0.6782 - accuracy: 0.
5431 - val_loss: 0.6733 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 28/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6995 - accuracy: 0.5000
Epoch 28: val_loss improved from 0.67070 to 0.66929, saving model to tmp/Weights-0
28--0.66929.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6750 - accuracy:
0.5431 - val_loss: 0.6693 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 29/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6424 - accuracy: 0.6250
Epoch 29: val_loss did not improve from 0.66929
11/11 [=====] - 0s 10ms/step - loss: 0.6741 - accuracy:
0.5201 - val_loss: 0.6736 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 30/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6572 - accuracy: 0.5938
Epoch 30: val_loss did not improve from 0.66929
11/11 [=====] - 0s 9ms/step - loss: 0.6733 - accuracy: 0.
5316 - val_loss: 0.6699 - val_accuracy: 0.5133 - lr: 0.0090
```

```
Epoch 31/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6302 - accuracy: 0.5938
Epoch 31: val_loss improved from 0.66929 to 0.66811, saving model to tmp/Weights-0
31--0.66811.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6761 - accuracy:
0.5172 - val_loss: 0.6681 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 32/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7278 - accuracy: 0.3125
Epoch 32: val_loss did not improve from 0.66811
11/11 [=====] - 0s 9ms/step - loss: 0.6728 - accuracy: 0.
5603 - val_loss: 0.6719 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 33/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6706 - accuracy: 0.5500
Epoch 33: val_loss did not improve from 0.66811
11/11 [=====] - 0s 10ms/step - loss: 0.6708 - accuracy:
0.5431 - val_loss: 0.6693 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 34/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6936 - accuracy: 0.5312
Epoch 34: val_loss did not improve from 0.66811
11/11 [=====] - 0s 8ms/step - loss: 0.6692 - accuracy: 0.
5546 - val_loss: 0.6729 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 35/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6561 - accuracy: 0.5312
Epoch 35: val_loss improved from 0.66811 to 0.66363, saving model to tmp/Weights-0
35--0.66363.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6721 - accuracy:
0.5460 - val_loss: 0.6636 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 36/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6784 - accuracy: 0.5938
Epoch 36: val_loss did not improve from 0.66363
11/11 [=====] - 0s 8ms/step - loss: 0.6683 - accuracy: 0.
5747 - val_loss: 0.6721 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 37/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6608 - accuracy: 0.5000
Epoch 37: val_loss improved from 0.66363 to 0.66328, saving model to tmp/Weights-0
37--0.66328.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6659 - accuracy:
0.5259 - val_loss: 0.6633 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 38/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6478 - accuracy: 0.5938
Epoch 38: val_loss did not improve from 0.66328
11/11 [=====] - 0s 8ms/step - loss: 0.6688 - accuracy: 0.
5661 - val_loss: 0.6699 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 39/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6706 - accuracy: 0.5312
Epoch 39: val_loss improved from 0.66328 to 0.66291, saving model to tmp/Weights-0
39--0.66291.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6710 - accuracy:
0.5460 - val_loss: 0.6629 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 40/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6871 - accuracy: 0.5312
Epoch 40: val_loss improved from 0.66291 to 0.65988, saving model to tmp/Weights-0
40--0.65988.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6672 - accuracy:
0.5402 - val_loss: 0.6599 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 41/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6502 - accuracy: 0.6250
Epoch 41: val_loss did not improve from 0.65988
11/11 [=====] - 0s 8ms/step - loss: 0.6646 - accuracy: 0.
5517 - val_loss: 0.6635 - val_accuracy: 0.5067 - lr: 0.0090
Epoch 42/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6453 - accuracy: 0.5625
Epoch 42: val_loss did not improve from 0.65988
11/11 [=====] - 0s 8ms/step - loss: 0.6643 - accuracy: 0.
```

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5460 - val_loss: 0.6639 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 43/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6682 - accuracy: 0.6250
Epoch 43: val_loss did not improve from 0.65988
11/11 [=====] - 0s 8ms/step - loss: 0.6614 - accuracy: 0.
5776 - val_loss: 0.6603 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 44/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6041 - accuracy: 0.7188
Epoch 44: val_loss did not improve from 0.65988
11/11 [=====] - 0s 8ms/step - loss: 0.6596 - accuracy: 0.
5489 - val_loss: 0.6643 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 45/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5436 - accuracy: 0.6562
Epoch 45: val_loss did not improve from 0.65988
11/11 [=====] - 0s 9ms/step - loss: 0.6573 - accuracy: 0.
5661 - val_loss: 0.6616 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 46/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6658 - accuracy: 0.5312
Epoch 46: val_loss did not improve from 0.65988
11/11 [=====] - 0s 8ms/step - loss: 0.6604 - accuracy: 0.
5603 - val_loss: 0.6617 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 47/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6518 - accuracy: 0.5938
Epoch 47: val_loss did not improve from 0.65988
11/11 [=====] - 0s 8ms/step - loss: 0.6680 - accuracy: 0.
5632 - val_loss: 0.6688 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 48/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7347 - accuracy: 0.3125
Epoch 48: val_loss did not improve from 0.65988
11/11 [=====] - 0s 8ms/step - loss: 0.6695 - accuracy: 0.
5517 - val_loss: 0.6605 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 49/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7074 - accuracy: 0.4375
Epoch 49: val_loss did not improve from 0.65988
11/11 [=====] - 0s 10ms/step - loss: 0.6675 - accuracy: 0.
5374 - val_loss: 0.6611 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 50/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6994 - accuracy: 0.4062
Epoch 50: val_loss improved from 0.65988 to 0.65926, saving model to tmp/Weights-0
50--0.65926.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6648 - accuracy: 0.
5316 - val_loss: 0.6593 - val_accuracy: 0.5000 - lr: 0.0090
Epoch 51/1000
11/11 [=====] - ETA: 0s - loss: 0.6634 - accuracy: 0.5718
Epoch 51: val_loss did not improve from 0.65926
11/11 [=====] - 0s 11ms/step - loss: 0.6634 - accuracy: 0.
5718 - val_loss: 0.6717 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 52/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6516 - accuracy: 0.6562
Epoch 52: val_loss did not improve from 0.65926
11/11 [=====] - 0s 8ms/step - loss: 0.6660 - accuracy: 0.
5546 - val_loss: 0.6599 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 53/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6401 - accuracy: 0.5312
Epoch 53: val_loss did not improve from 0.65926
11/11 [=====] - 0s 8ms/step - loss: 0.6600 - accuracy: 0.
5575 - val_loss: 0.6704 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 54/1000
11/11 [=====] - ETA: 0s - loss: 0.6591 - accuracy: 0.5718
Epoch 54: val_loss improved from 0.65926 to 0.65206, saving model to tmp/Weights-0
54--0.65206.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.6591 - accuracy: 0.
5718 - val_loss: 0.6521 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 55/1000
```

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1/11 [=>.....] - ETA: 0s - loss: 0.7106 - accuracy: 0.4688
Epoch 55: val_loss did not improve from 0.65206
11/11 [=====] - 0s 8ms/step - loss: 0.6555 - accuracy: 0.
5718 - val_loss: 0.6646 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 56/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6999 - accuracy: 0.5938
Epoch 56: val_loss did not improve from 0.65206
11/11 [=====] - 0s 8ms/step - loss: 0.6532 - accuracy: 0.
5690 - val_loss: 0.6574 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 57/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6435 - accuracy: 0.5312
Epoch 57: val_loss did not improve from 0.65206
11/11 [=====] - 0s 9ms/step - loss: 0.6526 - accuracy: 0.
5948 - val_loss: 0.6572 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 58/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6851 - accuracy: 0.5312
Epoch 58: val_loss did not improve from 0.65206
11/11 [=====] - 0s 8ms/step - loss: 0.6496 - accuracy: 0.
6006 - val_loss: 0.6605 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 59/1000
11/11 [=====] - ETA: 0s - loss: 0.6543 - accuracy: 0.5546
Epoch 59: val_loss improved from 0.65206 to 0.65196, saving model to tmp/Weights-0
59--0.65196.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6543 - accuracy:
0.5546 - val_loss: 0.6520 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 60/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6632 - accuracy: 0.4375
Epoch 60: val_loss improved from 0.65196 to 0.64600, saving model to tmp/Weights-0
60--0.64600.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6569 - accuracy:
0.5690 - val_loss: 0.6460 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 61/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6551 - accuracy: 0.5000
Epoch 61: val_loss improved from 0.64600 to 0.64575, saving model to tmp/Weights-0
61--0.64575.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6515 - accuracy:
0.5661 - val_loss: 0.6458 - val_accuracy: 0.4933 - lr: 0.0090
Epoch 62/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6686 - accuracy: 0.6562
Epoch 62: val_loss did not improve from 0.64575
11/11 [=====] - 0s 8ms/step - loss: 0.6507 - accuracy: 0.
5776 - val_loss: 0.6572 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 63/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7002 - accuracy: 0.4375
Epoch 63: val_loss did not improve from 0.64575
11/11 [=====] - 0s 9ms/step - loss: 0.6466 - accuracy: 0.
5833 - val_loss: 0.6514 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 64/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6245 - accuracy: 0.6562
Epoch 64: val_loss did not improve from 0.64575
11/11 [=====] - 0s 9ms/step - loss: 0.6504 - accuracy: 0.
5833 - val_loss: 0.6624 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 65/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6532 - accuracy: 0.5312
Epoch 65: val_loss did not improve from 0.64575
11/11 [=====] - 0s 8ms/step - loss: 0.6459 - accuracy: 0.
5833 - val_loss: 0.6555 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 66/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6841 - accuracy: 0.4688
Epoch 66: val_loss did not improve from 0.64575
11/11 [=====] - 0s 9ms/step - loss: 0.6459 - accuracy: 0.
5747 - val_loss: 0.6519 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 67/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5514 - accuracy: 0.7188
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Epoch 67: val_loss improved from 0.64575 to 0.64129, saving model to tmp/Weights-0  
67--0.64129.hdf5  
11/11 [=====] - 0s 11ms/step - loss: 0.6448 - accuracy:  
0.5805 - val_loss: 0.6413 - val_accuracy: 0.6133 - lr: 0.0090  
Epoch 68/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6558 - accuracy: 0.6250  
Epoch 68: val_loss did not improve from 0.64129  
11/11 [=====] - 0s 10ms/step - loss: 0.6485 - accuracy:  
0.5776 - val_loss: 0.6420 - val_accuracy: 0.5533 - lr: 0.0090  
Epoch 69/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6432 - accuracy: 0.5312  
Epoch 69: val_loss did not improve from 0.64129  
11/11 [=====] - 0s 8ms/step - loss: 0.6429 - accuracy: 0.  
5575 - val_loss: 0.6467 - val_accuracy: 0.5467 - lr: 0.0090  
Epoch 70/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6632 - accuracy: 0.5000  
Epoch 70: val_loss did not improve from 0.64129  
11/11 [=====] - 0s 9ms/step - loss: 0.6413 - accuracy: 0.  
5891 - val_loss: 0.6573 - val_accuracy: 0.5733 - lr: 0.0090  
Epoch 71/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6058 - accuracy: 0.5938  
Epoch 71: val_loss did not improve from 0.64129  
11/11 [=====] - 0s 9ms/step - loss: 0.6442 - accuracy: 0.  
5977 - val_loss: 0.6586 - val_accuracy: 0.5533 - lr: 0.0090  
Epoch 72/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6315 - accuracy: 0.4688  
Epoch 72: val_loss did not improve from 0.64129  
11/11 [=====] - 0s 9ms/step - loss: 0.6366 - accuracy: 0.  
5948 - val_loss: 0.6510 - val_accuracy: 0.5600 - lr: 0.0090  
Epoch 73/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6713 - accuracy: 0.4062  
Epoch 73: val_loss did not improve from 0.64129  
11/11 [=====] - 0s 9ms/step - loss: 0.6375 - accuracy: 0.  
6034 - val_loss: 0.6475 - val_accuracy: 0.5600 - lr: 0.0090  
Epoch 74/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6293 - accuracy: 0.5312  
Epoch 74: val_loss did not improve from 0.64129  
11/11 [=====] - 0s 9ms/step - loss: 0.6346 - accuracy: 0.  
6006 - val_loss: 0.6478 - val_accuracy: 0.5533 - lr: 0.0090  
Epoch 75/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6317 - accuracy: 0.5938  
Epoch 75: val_loss did not improve from 0.64129  
11/11 [=====] - 0s 8ms/step - loss: 0.6342 - accuracy: 0.  
6121 - val_loss: 0.6432 - val_accuracy: 0.5533 - lr: 0.0090  
Epoch 76/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6449 - accuracy: 0.5312  
Epoch 76: val_loss improved from 0.64129 to 0.64009, saving model to tmp/Weights-0  
76--0.64009.hdf5  
11/11 [=====] - 0s 11ms/step - loss: 0.6312 - accuracy:  
0.6006 - val_loss: 0.6401 - val_accuracy: 0.5600 - lr: 0.0090  
Epoch 77/1000  
11/11 [=====] - ETA: 0s - loss: 0.6336 - accuracy: 0.5948  
Epoch 77: val_loss did not improve from 0.64009  
11/11 [=====] - 0s 11ms/step - loss: 0.6336 - accuracy:  
0.5948 - val_loss: 0.6524 - val_accuracy: 0.5467 - lr: 0.0090  
Epoch 78/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6962 - accuracy: 0.4375  
Epoch 78: val_loss did not improve from 0.64009  
11/11 [=====] - 0s 9ms/step - loss: 0.6413 - accuracy: 0.  
5718 - val_loss: 0.6434 - val_accuracy: 0.5533 - lr: 0.0090  
Epoch 79/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6884 - accuracy: 0.4688  
Epoch 79: val_loss did not improve from 0.64009  
11/11 [=====] - 0s 8ms/step - loss: 0.6339 - accuracy: 0.
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6092 - val_loss: 0.6464 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 80/1000
11/11 [=====] - ETA: 0s - loss: 0.6288 - accuracy: 0.6063
Epoch 80: val_loss improved from 0.64009 to 0.63754, saving model to tmp/Weights-0
80--0.63754.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.6288 - accuracy: 0.6063
0.6375 - val_loss: 0.5600 - lr: 0.0090
Epoch 81/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6442 - accuracy: 0.5625
Epoch 81: val_loss did not improve from 0.63754
11/11 [=====] - 0s 9ms/step - loss: 0.6307 - accuracy: 0.6063
0.6384 - val_loss: 0.5600 - lr: 0.0090
Epoch 82/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5849 - accuracy: 0.5938
Epoch 82: val_loss did not improve from 0.63754
11/11 [=====] - 0s 9ms/step - loss: 0.6348 - accuracy: 0.5776
0.6447 - val_loss: 0.5933 - lr: 0.0090
Epoch 83/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5738 - accuracy: 0.7812
Epoch 83: val_loss improved from 0.63754 to 0.62906, saving model to tmp/Weights-0
83--0.62906.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6286 - accuracy: 0.5977
0.6291 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 84/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6437 - accuracy: 0.4688
Epoch 84: val_loss did not improve from 0.62906
11/11 [=====] - 0s 9ms/step - loss: 0.6226 - accuracy: 0.6063
0.6367 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 85/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5945 - accuracy: 0.4688
Epoch 85: val_loss did not improve from 0.62906
11/11 [=====] - 0s 9ms/step - loss: 0.6258 - accuracy: 0.6006
0.6356 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 86/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6337 - accuracy: 0.5938
Epoch 86: val_loss did not improve from 0.62906
11/11 [=====] - 0s 10ms/step - loss: 0.6315 - accuracy: 0.5977
0.6489 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 87/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5966 - accuracy: 0.6875
Epoch 87: val_loss did not improve from 0.62906
11/11 [=====] - 0s 8ms/step - loss: 0.6293 - accuracy: 0.5891
0.6359 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 88/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6116 - accuracy: 0.6250
Epoch 88: val_loss did not improve from 0.62906
11/11 [=====] - 0s 9ms/step - loss: 0.6255 - accuracy: 0.6178
0.6443 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 89/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6838 - accuracy: 0.6562
Epoch 89: val_loss did not improve from 0.62906
11/11 [=====] - 0s 8ms/step - loss: 0.6244 - accuracy: 0.6207
0.6333 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 90/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5713 - accuracy: 0.7188
Epoch 90: val_loss did not improve from 0.62906
11/11 [=====] - 0s 7ms/step - loss: 0.6337 - accuracy: 0.5805
0.6662 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 91/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6605 - accuracy: 0.4688
Epoch 91: val_loss did not improve from 0.62906
11/11 [=====] - 0s 8ms/step - loss: 0.6445 - accuracy: 0.5805
0.6304 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 92/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5914 - accuracy: 0.6562
Epoch 92: val_loss did not improve from 0.62906
11/11 [=====] - 0s 9ms/step - loss: 0.6272 - accuracy: 0.
5862 - val_loss: 0.6446 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 93/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6256 - accuracy: 0.7500
Epoch 93: val_loss did not improve from 0.62906
11/11 [=====] - 0s 9ms/step - loss: 0.6242 - accuracy: 0.
6034 - val_loss: 0.6300 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 94/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6235 - accuracy: 0.5000
Epoch 94: val_loss did not improve from 0.62906
11/11 [=====] - 0s 8ms/step - loss: 0.6267 - accuracy: 0.
6236 - val_loss: 0.6404 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 95/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6305 - accuracy: 0.6562
Epoch 95: val_loss did not improve from 0.62906
11/11 [=====] - 0s 8ms/step - loss: 0.6198 - accuracy: 0.
6092 - val_loss: 0.6409 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 96/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6115 - accuracy: 0.6875
Epoch 96: val_loss improved from 0.62906 to 0.62157, saving model to tmp/Weights-0
96--0.62157.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.6235 - accuracy: 0.
5776 - val_loss: 0.6216 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 97/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6830 - accuracy: 0.5938
Epoch 97: val_loss did not improve from 0.62157
11/11 [=====] - 0s 8ms/step - loss: 0.6179 - accuracy: 0.
5977 - val_loss: 0.6305 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 98/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6663 - accuracy: 0.5312
Epoch 98: val_loss did not improve from 0.62157
11/11 [=====] - 0s 8ms/step - loss: 0.6126 - accuracy: 0.
6293 - val_loss: 0.6274 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 99/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6243 - accuracy: 0.5938
Epoch 99: val_loss did not improve from 0.62157
11/11 [=====] - 0s 9ms/step - loss: 0.6174 - accuracy: 0.
6006 - val_loss: 0.6325 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 100/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6547 - accuracy: 0.5938
Epoch 100: val_loss did not improve from 0.62157
11/11 [=====] - 0s 8ms/step - loss: 0.6180 - accuracy: 0.
6063 - val_loss: 0.6291 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 101/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5836 - accuracy: 0.6250
Epoch 101: val_loss did not improve from 0.62157
11/11 [=====] - 0s 8ms/step - loss: 0.6107 - accuracy: 0.
6207 - val_loss: 0.6271 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 102/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5852 - accuracy: 0.7188
Epoch 102: val_loss did not improve from 0.62157
11/11 [=====] - 0s 9ms/step - loss: 0.6163 - accuracy: 0.
5718 - val_loss: 0.6343 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 103/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6238 - accuracy: 0.6250
Epoch 103: val_loss did not improve from 0.62157
11/11 [=====] - 0s 8ms/step - loss: 0.6143 - accuracy: 0.
6006 - val_loss: 0.6327 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 104/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5775 - accuracy: 0.6250
Epoch 104: val_loss did not improve from 0.62157
11/11 [=====] - 0s 8ms/step - loss: 0.6120 - accuracy: 0.
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6149 - val_loss: 0.6284 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 105/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5796 - accuracy: 0.6875
Epoch 105: val_loss did not improve from 0.62157
11/11 [=====] - 0s 9ms/step - loss: 0.6084 - accuracy: 0.
6092 - val_loss: 0.6220 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 106/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5374 - accuracy: 0.7500
Epoch 106: val_loss improved from 0.62157 to 0.61478, saving model to tmp/Weights-
106--0.61478.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6078 - accuracy:
0.5891 - val_loss: 0.6148 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 107/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5823 - accuracy: 0.5938
Epoch 107: val_loss did not improve from 0.61478
11/11 [=====] - 0s 9ms/step - loss: 0.6148 - accuracy: 0.
6034 - val_loss: 0.6258 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 108/1000
11/11 [=====] - ETA: 0s - loss: 0.6093 - accuracy: 0.6236
Epoch 108: val_loss did not improve from 0.61478
11/11 [=====] - 0s 11ms/step - loss: 0.6093 - accuracy:
0.6236 - val_loss: 0.6213 - val_accuracy: 0.5200 - lr: 0.0090
Epoch 109/1000
11/11 [=====] - ETA: 0s - loss: 0.6128 - accuracy: 0.6006
Epoch 109: val_loss did not improve from 0.61478
11/11 [=====] - 0s 11ms/step - loss: 0.6128 - accuracy:
0.6006 - val_loss: 0.6236 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 110/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5730 - accuracy: 0.7500
Epoch 110: val_loss did not improve from 0.61478
11/11 [=====] - 0s 9ms/step - loss: 0.6078 - accuracy: 0.
6121 - val_loss: 0.6153 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 111/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6036 - accuracy: 0.7188
Epoch 111: val_loss did not improve from 0.61478
11/11 [=====] - 0s 9ms/step - loss: 0.6040 - accuracy: 0.
5833 - val_loss: 0.6236 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 112/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6265 - accuracy: 0.5625
Epoch 112: val_loss improved from 0.61478 to 0.60943, saving model to tmp/Weights-
112--0.60943.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.6053 - accuracy:
0.5805 - val_loss: 0.6094 - val_accuracy: 0.5133 - lr: 0.0090
Epoch 113/1000
10/11 [=====>...] - ETA: 0s - loss: 0.6012 - accuracy: 0.6250
Epoch 113: val_loss did not improve from 0.60943
11/11 [=====] - 0s 10ms/step - loss: 0.6030 - accuracy:
0.6236 - val_loss: 0.6172 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 114/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6101 - accuracy: 0.5625
Epoch 114: val_loss improved from 0.60943 to 0.60557, saving model to tmp/Weights-
114--0.60557.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5997 - accuracy:
0.6207 - val_loss: 0.6056 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 115/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5727 - accuracy: 0.6562
Epoch 115: val_loss did not improve from 0.60557
11/11 [=====] - 0s 9ms/step - loss: 0.6015 - accuracy: 0.
5948 - val_loss: 0.6155 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 116/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6525 - accuracy: 0.5938
Epoch 116: val_loss did not improve from 0.60557
11/11 [=====] - 0s 8ms/step - loss: 0.5992 - accuracy: 0.
6264 - val_loss: 0.6151 - val_accuracy: 0.5600 - lr: 0.0090
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Epoch 117/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5956 - accuracy: 0.5000
Epoch 117: val_loss did not improve from 0.60557
11/11 [=====] - 0s 9ms/step - loss: 0.5988 - accuracy: 0.
6379 - val_loss: 0.6077 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 118/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5550 - accuracy: 0.7500
Epoch 118: val_loss did not improve from 0.60557
11/11 [=====] - 0s 9ms/step - loss: 0.6006 - accuracy: 0.
6293 - val_loss: 0.6120 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 119/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5369 - accuracy: 0.7188
Epoch 119: val_loss did not improve from 0.60557
11/11 [=====] - 0s 8ms/step - loss: 0.5999 - accuracy: 0.
6264 - val_loss: 0.6164 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 120/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5991 - accuracy: 0.5938
Epoch 120: val_loss improved from 0.60557 to 0.60387, saving model to tmp/Weights-120--0.60387.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5952 - accuracy: 0.
6293 - val_loss: 0.6039 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 121/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6079 - accuracy: 0.6250
Epoch 121: val_loss did not improve from 0.60387
11/11 [=====] - 0s 9ms/step - loss: 0.5952 - accuracy: 0.
6207 - val_loss: 0.6063 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 122/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5390 - accuracy: 0.6875
Epoch 122: val_loss did not improve from 0.60387
11/11 [=====] - 0s 8ms/step - loss: 0.5954 - accuracy: 0.
6293 - val_loss: 0.6183 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 123/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6344 - accuracy: 0.5938
Epoch 123: val_loss improved from 0.60387 to 0.60055, saving model to tmp/Weights-123--0.60055.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5922 - accuracy: 0.
6207 - val_loss: 0.6006 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 124/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5189 - accuracy: 0.6875
Epoch 124: val_loss did not improve from 0.60055
11/11 [=====] - 0s 8ms/step - loss: 0.5910 - accuracy: 0.
6408 - val_loss: 0.6126 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 125/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6069 - accuracy: 0.5938
Epoch 125: val_loss did not improve from 0.60055
11/11 [=====] - 0s 8ms/step - loss: 0.5986 - accuracy: 0.
6121 - val_loss: 0.6261 - val_accuracy: 0.5267 - lr: 0.0090
Epoch 126/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5934 - accuracy: 0.5938
Epoch 126: val_loss did not improve from 0.60055
11/11 [=====] - 0s 8ms/step - loss: 0.5967 - accuracy: 0.
6092 - val_loss: 0.6057 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 127/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5516 - accuracy: 0.6875
Epoch 127: val_loss did not improve from 0.60055
11/11 [=====] - 0s 9ms/step - loss: 0.5923 - accuracy: 0.
6063 - val_loss: 0.6083 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 128/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6160 - accuracy: 0.5312
Epoch 128: val_loss did not improve from 0.60055
11/11 [=====] - 0s 8ms/step - loss: 0.5996 - accuracy: 0.
6092 - val_loss: 0.6152 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 129/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6388 - accuracy: 0.5000
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Epoch 129: val_loss improved from 0.60055 to 0.60053, saving model to tmp/Weights-129--0.60053.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5954 - accuracy: 0.6264 - val_loss: 0.6005 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 130/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5803 - accuracy: 0.6250
Epoch 130: val_loss did not improve from 0.60053
11/11 [=====] - 0s 9ms/step - loss: 0.5892 - accuracy: 0.6351 - val_loss: 0.6074 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 131/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6143 - accuracy: 0.6250
Epoch 131: val_loss did not improve from 0.60053
11/11 [=====] - 0s 9ms/step - loss: 0.5889 - accuracy: 0.6092 - val_loss: 0.6211 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 132/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5385 - accuracy: 0.7500
Epoch 132: val_loss did not improve from 0.60053
11/11 [=====] - 0s 9ms/step - loss: 0.5933 - accuracy: 0.6178 - val_loss: 0.6354 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 133/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6820 - accuracy: 0.4688
Epoch 133: val_loss did not improve from 0.60053
11/11 [=====] - 0s 9ms/step - loss: 0.5905 - accuracy: 0.5977 - val_loss: 0.6019 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 134/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6392 - accuracy: 0.5625
Epoch 134: val_loss did not improve from 0.60053
11/11 [=====] - 0s 9ms/step - loss: 0.5883 - accuracy: 0.5977 - val_loss: 0.6201 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 135/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6132 - accuracy: 0.6562
Epoch 135: val_loss did not improve from 0.60053
11/11 [=====] - 0s 9ms/step - loss: 0.5871 - accuracy: 0.6121 - val_loss: 0.6025 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 136/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5787 - accuracy: 0.6250
Epoch 136: val_loss did not improve from 0.60053
11/11 [=====] - 0s 8ms/step - loss: 0.5916 - accuracy: 0.6322 - val_loss: 0.6304 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 137/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5797 - accuracy: 0.6250
Epoch 137: val_loss improved from 0.60053 to 0.59968, saving model to tmp/Weights-137--0.59968.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5890 - accuracy: 0.6178 - val_loss: 0.5997 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 138/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6064 - accuracy: 0.5938
Epoch 138: val_loss did not improve from 0.59968
11/11 [=====] - 0s 9ms/step - loss: 0.5848 - accuracy: 0.6121 - val_loss: 0.6020 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 139/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5829 - accuracy: 0.6250
Epoch 139: val_loss did not improve from 0.59968
11/11 [=====] - 0s 9ms/step - loss: 0.5815 - accuracy: 0.6207 - val_loss: 0.6233 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 140/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5384 - accuracy: 0.6875
Epoch 140: val_loss improved from 0.59968 to 0.59536, saving model to tmp/Weights-140--0.59536.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5823 - accuracy: 0.6121 - val_loss: 0.5954 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 141/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6116 - accuracy: 0.5625
Epoch 141: val_loss did not improve from 0.59536
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11/11 [=====] - 0s 8ms/step - loss: 0.5808 - accuracy: 0.5833 - val_loss: 0.6001 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 142/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5284 - accuracy: 0.6875
Epoch 142: val_loss did not improve from 0.59536
11/11 [=====] - 0s 8ms/step - loss: 0.5792 - accuracy: 0.6293 - val_loss: 0.6058 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 143/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5564 - accuracy: 0.5938
Epoch 143: val_loss did not improve from 0.59536
11/11 [=====] - 0s 9ms/step - loss: 0.5808 - accuracy: 0.5747 - val_loss: 0.6040 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 144/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5906 - accuracy: 0.6250
Epoch 144: val_loss did not improve from 0.59536
11/11 [=====] - 0s 9ms/step - loss: 0.5853 - accuracy: 0.6121 - val_loss: 0.6120 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 145/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5653 - accuracy: 0.7188
Epoch 145: val_loss did not improve from 0.59536
11/11 [=====] - 0s 8ms/step - loss: 0.5826 - accuracy: 0.6178 - val_loss: 0.6056 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 146/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5571 - accuracy: 0.7188
Epoch 146: val_loss did not improve from 0.59536
11/11 [=====] - 0s 8ms/step - loss: 0.5784 - accuracy: 0.6149 - val_loss: 0.6184 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 147/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6396 - accuracy: 0.5625
Epoch 147: val_loss did not improve from 0.59536
11/11 [=====] - 0s 8ms/step - loss: 0.5802 - accuracy: 0.6006 - val_loss: 0.6035 - val_accuracy: 0.5467 - lr: 0.0090
Epoch 148/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5658 - accuracy: 0.6250
Epoch 148: val_loss did not improve from 0.59536
11/11 [=====] - 0s 8ms/step - loss: 0.5769 - accuracy: 0.5920 - val_loss: 0.5985 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 149/1000
11/11 [=====] - ETA: 0s - loss: 0.5787 - accuracy: 0.5891
Epoch 149: val_loss did not improve from 0.59536
11/11 [=====] - 0s 11ms/step - loss: 0.5787 - accuracy: 0.5891 - val_loss: 0.5959 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 150/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5420 - accuracy: 0.5938
Epoch 150: val_loss did not improve from 0.59536
11/11 [=====] - 0s 9ms/step - loss: 0.5803 - accuracy: 0.6121 - val_loss: 0.6152 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 151/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4943 - accuracy: 0.6875
Epoch 151: val_loss improved from 0.59536 to 0.58720, saving model to tmp/Weights-151--0.58720.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5748 - accuracy: 0.6092 - val_loss: 0.5872 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 152/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5603 - accuracy: 0.6562
Epoch 152: val_loss did not improve from 0.58720
11/11 [=====] - 0s 9ms/step - loss: 0.5724 - accuracy: 0.5833 - val_loss: 0.5928 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 153/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6063 - accuracy: 0.5625
Epoch 153: val_loss did not improve from 0.58720
11/11 [=====] - 0s 8ms/step - loss: 0.5684 - accuracy: 0.5977 - val_loss: 0.5890 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 154/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5801 - accuracy: 0.6250
Epoch 154: val_loss did not improve from 0.58720
11/11 [=====] - 0s 8ms/step - loss: 0.5693 - accuracy: 0.
6121 - val_loss: 0.6005 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 155/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5624 - accuracy: 0.6562
Epoch 155: val_loss did not improve from 0.58720
11/11 [=====] - 0s 9ms/step - loss: 0.5675 - accuracy: 0.
6006 - val_loss: 0.5897 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 156/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5614 - accuracy: 0.5938
Epoch 156: val_loss did not improve from 0.58720
11/11 [=====] - 0s 9ms/step - loss: 0.5658 - accuracy: 0.
5776 - val_loss: 0.5912 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 157/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5750 - accuracy: 0.5938
Epoch 157: val_loss did not improve from 0.58720
11/11 [=====] - 0s 8ms/step - loss: 0.5653 - accuracy: 0.
6063 - val_loss: 0.5950 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 158/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5776 - accuracy: 0.6562
Epoch 158: val_loss did not improve from 0.58720
11/11 [=====] - 0s 8ms/step - loss: 0.5640 - accuracy: 0.
6293 - val_loss: 0.5964 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 159/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5575 - accuracy: 0.6250
Epoch 159: val_loss did not improve from 0.58720
11/11 [=====] - 0s 8ms/step - loss: 0.5702 - accuracy: 0.
5948 - val_loss: 0.5930 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 160/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4386 - accuracy: 0.7812
Epoch 160: val_loss did not improve from 0.58720
11/11 [=====] - 0s 8ms/step - loss: 0.5644 - accuracy: 0.
6034 - val_loss: 0.6004 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 161/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5726 - accuracy: 0.5625
Epoch 161: val_loss improved from 0.58720 to 0.58268, saving model to tmp/Weights-161--0.58268.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5603 - accuracy: 0.
6006 - val_loss: 0.5827 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 162/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5351 - accuracy: 0.7188
Epoch 162: val_loss did not improve from 0.58268
11/11 [=====] - 0s 8ms/step - loss: 0.5592 - accuracy: 0.
5862 - val_loss: 0.5856 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 163/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5374 - accuracy: 0.5938
Epoch 163: val_loss did not improve from 0.58268
11/11 [=====] - 0s 8ms/step - loss: 0.5590 - accuracy: 0.
6408 - val_loss: 0.5875 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 164/1000
11/11 [=====] - ETA: 0s - loss: 0.5593 - accuracy: 0.5948
Epoch 164: val_loss did not improve from 0.58268
11/11 [=====] - 0s 10ms/step - loss: 0.5593 - accuracy: 0.
5948 - val_loss: 0.5846 - val_accuracy: 0.5600 - lr: 0.0090
Epoch 165/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5618 - accuracy: 0.5312
Epoch 165: val_loss did not improve from 0.58268
11/11 [=====] - 0s 9ms/step - loss: 0.5551 - accuracy: 0.
5862 - val_loss: 0.5974 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 166/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5424 - accuracy: 0.7188
Epoch 166: val_loss did not improve from 0.58268
11/11 [=====] - 0s 9ms/step - loss: 0.5577 - accuracy: 0.
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5920 - val_loss: 0.5934 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 167/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5667 - accuracy: 0.6250
Epoch 167: val_loss improved from 0.58268 to 0.57274, saving model to tmp/Weights-167--0.57274.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5599 - accuracy: 0.5747 - val_loss: 0.5727 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 168/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5181 - accuracy: 0.5938
Epoch 168: val_loss did not improve from 0.57274
11/11 [=====] - 0s 13ms/step - loss: 0.5531 - accuracy: 0.5690 - val_loss: 0.5925 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 169/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5822 - accuracy: 0.6562
Epoch 169: val_loss did not improve from 0.57274
11/11 [=====] - 0s 9ms/step - loss: 0.5510 - accuracy: 0.6149 - val_loss: 0.5812 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 170/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4989 - accuracy: 0.7188
Epoch 170: val_loss did not improve from 0.57274
11/11 [=====] - 0s 9ms/step - loss: 0.5470 - accuracy: 0.6063 - val_loss: 0.5825 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 171/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4629 - accuracy: 0.6875
Epoch 171: val_loss did not improve from 0.57274
11/11 [=====] - 0s 9ms/step - loss: 0.5461 - accuracy: 0.6207 - val_loss: 0.5765 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 172/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5388 - accuracy: 0.7188
Epoch 172: val_loss did not improve from 0.57274
11/11 [=====] - 0s 9ms/step - loss: 0.5461 - accuracy: 0.5948 - val_loss: 0.5862 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 173/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5612 - accuracy: 0.4688
Epoch 173: val_loss did not improve from 0.57274
11/11 [=====] - 0s 9ms/step - loss: 0.5514 - accuracy: 0.6006 - val_loss: 0.5796 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 174/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5513 - accuracy: 0.6344
Epoch 174: val_loss improved from 0.57274 to 0.57102, saving model to tmp/Weights-174--0.57102.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5536 - accuracy: 0.6322 - val_loss: 0.5710 - val_accuracy: 0.7000 - lr: 0.0090
Epoch 175/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5332 - accuracy: 0.8438
Epoch 175: val_loss did not improve from 0.57102
11/11 [=====] - 0s 8ms/step - loss: 0.5498 - accuracy: 0.6839 - val_loss: 0.5763 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 176/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5881 - accuracy: 0.5000
Epoch 176: val_loss improved from 0.57102 to 0.56715, saving model to tmp/Weights-176--0.56715.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5411 - accuracy: 0.6092 - val_loss: 0.5672 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 177/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5754 - accuracy: 0.5312
Epoch 177: val_loss improved from 0.56715 to 0.56497, saving model to tmp/Weights-177--0.56497.hdf5
11/11 [=====] - 0s 15ms/step - loss: 0.5394 - accuracy: 0.6178 - val_loss: 0.5650 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 178/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4102 - accuracy: 0.7188
Epoch 178: val_loss did not improve from 0.56497
11/11 [=====] - 0s 9ms/step - loss: 0.5387 - accuracy: 0.
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6552 - val_loss: 0.5722 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 179/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5647 - accuracy: 0.5625
Epoch 179: val_loss did not improve from 0.56497
11/11 [=====] - 0s 8ms/step - loss: 0.5373 - accuracy: 0.
5977 - val_loss: 0.5755 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 180/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5120 - accuracy: 0.6875
Epoch 180: val_loss did not improve from 0.56497
11/11 [=====] - 0s 9ms/step - loss: 0.5383 - accuracy: 0.
6466 - val_loss: 0.5675 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 181/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5335 - accuracy: 0.7188
Epoch 181: val_loss did not improve from 0.56497
11/11 [=====] - 0s 9ms/step - loss: 0.5327 - accuracy: 0.
6207 - val_loss: 0.5696 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 182/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5860 - accuracy: 0.6562
Epoch 182: val_loss did not improve from 0.56497
11/11 [=====] - 0s 9ms/step - loss: 0.5309 - accuracy: 0.
6695 - val_loss: 0.5861 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 183/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5781 - accuracy: 0.5625
Epoch 183: val_loss did not improve from 0.56497
11/11 [=====] - 0s 9ms/step - loss: 0.5336 - accuracy: 0.
6351 - val_loss: 0.5699 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 184/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5086 - accuracy: 0.6562
Epoch 184: val_loss did not improve from 0.56497
11/11 [=====] - 0s 9ms/step - loss: 0.5295 - accuracy: 0.
6437 - val_loss: 0.5762 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 185/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4809 - accuracy: 0.6562
Epoch 185: val_loss did not improve from 0.56497
11/11 [=====] - 0s 9ms/step - loss: 0.5335 - accuracy: 0.
6983 - val_loss: 0.5774 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 186/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4916 - accuracy: 0.6875
Epoch 186: val_loss did not improve from 0.56497
11/11 [=====] - 0s 9ms/step - loss: 0.5373 - accuracy: 0.
6322 - val_loss: 0.5865 - val_accuracy: 0.7333 - lr: 0.0090
Epoch 187/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5000 - accuracy: 0.7500
Epoch 187: val_loss did not improve from 0.56497
11/11 [=====] - 0s 9ms/step - loss: 0.5339 - accuracy: 0.
6925 - val_loss: 0.5680 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 188/1000
11/11 [=====] - ETA: 0s - loss: 0.5363 - accuracy: 0.6178
Epoch 188: val_loss improved from 0.56497 to 0.56338, saving model to tmp/Weights-188--0.56338.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5363 - accuracy: 0.
6178 - val_loss: 0.5634 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 189/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4730 - accuracy: 0.7188
Epoch 189: val_loss did not improve from 0.56338
11/11 [=====] - 0s 8ms/step - loss: 0.5261 - accuracy: 0.
6753 - val_loss: 0.5655 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 190/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5310 - accuracy: 0.7188
Epoch 190: val_loss did not improve from 0.56338
11/11 [=====] - 0s 9ms/step - loss: 0.5273 - accuracy: 0.
6839 - val_loss: 0.5637 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 191/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5464 - accuracy: 0.7500
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Epoch 191: val_loss did not improve from 0.56338
11/11 [=====] - 0s 8ms/step - loss: 0.5301 - accuracy: 0.
6264 - val_loss: 0.5723 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 192/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4555 - accuracy: 0.7500
Epoch 192: val_loss improved from 0.56338 to 0.55555, saving model to tmp/Weights-192--0.55555.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5400 - accuracy: 0.6379
val_loss: 0.5555 - val_accuracy: 0.5533 - lr: 0.0090
Epoch 193/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6434 - accuracy: 0.3125
Epoch 193: val_loss did not improve from 0.55555
11/11 [=====] - 0s 8ms/step - loss: 0.5364 - accuracy: 0.
6293 - val_loss: 0.6138 - val_accuracy: 0.7133 - lr: 0.0090
Epoch 194/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5734 - accuracy: 0.6875
Epoch 194: val_loss improved from 0.55555 to 0.53327, saving model to tmp/Weights-194--0.53327.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5270 - accuracy: 0.6667
val_loss: 0.5333 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 195/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5321 - accuracy: 0.5625
Epoch 195: val_loss did not improve from 0.53327
11/11 [=====] - 0s 9ms/step - loss: 0.5170 - accuracy: 0.
6638 - val_loss: 0.5992 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 196/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5679 - accuracy: 0.5938
Epoch 196: val_loss did not improve from 0.53327
11/11 [=====] - 0s 9ms/step - loss: 0.5176 - accuracy: 0.
6983 - val_loss: 0.5609 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 197/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4830 - accuracy: 0.5938
Epoch 197: val_loss did not improve from 0.53327
11/11 [=====] - 0s 9ms/step - loss: 0.5110 - accuracy: 0.
6782 - val_loss: 0.5739 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 198/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5108 - accuracy: 0.5625
Epoch 198: val_loss did not improve from 0.53327
11/11 [=====] - 0s 8ms/step - loss: 0.5149 - accuracy: 0.
6954 - val_loss: 0.5481 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 199/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4963 - accuracy: 0.6562
Epoch 199: val_loss did not improve from 0.53327
11/11 [=====] - 0s 9ms/step - loss: 0.5169 - accuracy: 0.
6552 - val_loss: 0.5630 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 200/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5185 - accuracy: 0.6562
Epoch 200: val_loss did not improve from 0.53327
11/11 [=====] - 0s 9ms/step - loss: 0.5039 - accuracy: 0.
7155 - val_loss: 0.5670 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 201/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4481 - accuracy: 0.7812
Epoch 201: val_loss did not improve from 0.53327
11/11 [=====] - 0s 9ms/step - loss: 0.5056 - accuracy: 0.
6868 - val_loss: 0.5591 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 202/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5405 - accuracy: 0.6250
Epoch 202: val_loss did not improve from 0.53327
11/11 [=====] - 0s 9ms/step - loss: 0.5137 - accuracy: 0.
7241 - val_loss: 0.5553 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 203/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5065 - accuracy: 0.7188
Epoch 203: val_loss did not improve from 0.53327
11/11 [=====] - 0s 8ms/step - loss: 0.5054 - accuracy: 0.
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6523 - val_loss: 0.5596 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 204/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5396 - accuracy: 0.7812
Epoch 204: val_loss did not improve from 0.53327
11/11 [=====] - 0s 8ms/step - loss: 0.4956 - accuracy: 0.
7011 - val_loss: 0.5522 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 205/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4726 - accuracy: 0.8125
Epoch 205: val_loss did not improve from 0.53327
11/11 [=====] - 0s 8ms/step - loss: 0.4953 - accuracy: 0.
7213 - val_loss: 0.5602 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 206/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5019 - accuracy: 0.5938
Epoch 206: val_loss did not improve from 0.53327
11/11 [=====] - 0s 9ms/step - loss: 0.4945 - accuracy: 0.
6753 - val_loss: 0.5537 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 207/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5583 - accuracy: 0.6250
Epoch 207: val_loss did not improve from 0.53327
11/11 [=====] - 0s 9ms/step - loss: 0.5031 - accuracy: 0.
7213 - val_loss: 0.5560 - val_accuracy: 0.6400 - lr: 0.0090
Epoch 208/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5624 - accuracy: 0.7188
Epoch 208: val_loss did not improve from 0.53327
11/11 [=====] - 0s 10ms/step - loss: 0.4963 - accuracy: 0.
6868 - val_loss: 0.5542 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 209/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5367 - accuracy: 0.6250
Epoch 209: val_loss did not improve from 0.53327
11/11 [=====] - 0s 10ms/step - loss: 0.4946 - accuracy: 0.
6897 - val_loss: 0.5377 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 210/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5606 - accuracy: 0.6562
Epoch 210: val_loss did not improve from 0.53327
11/11 [=====] - 0s 9ms/step - loss: 0.4886 - accuracy: 0.
7011 - val_loss: 0.5674 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 211/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4726 - accuracy: 0.8438
Epoch 211: val_loss did not improve from 0.53327
11/11 [=====] - 0s 8ms/step - loss: 0.4839 - accuracy: 0.
6897 - val_loss: 0.5414 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 212/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4913 - accuracy: 0.7188
Epoch 212: val_loss did not improve from 0.53327
11/11 [=====] - 0s 8ms/step - loss: 0.4822 - accuracy: 0.
7557 - val_loss: 0.5507 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 213/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5385 - accuracy: 0.6250
Epoch 213: val_loss did not improve from 0.53327
11/11 [=====] - 0s 9ms/step - loss: 0.4799 - accuracy: 0.
7069 - val_loss: 0.5827 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 214/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4642 - accuracy: 0.8125
Epoch 214: val_loss improved from 0.53327 to 0.52396, saving model to tmp/Weights-214--0.52396.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.4942 - accuracy: 0.
7011 - val_loss: 0.5240 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 215/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4944 - accuracy: 0.7188
Epoch 215: val_loss did not improve from 0.52396
11/11 [=====] - 0s 8ms/step - loss: 0.4871 - accuracy: 0.
7126 - val_loss: 0.5872 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 216/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5567 - accuracy: 0.6875
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Epoch 216: val_loss did not improve from 0.52396
11/11 [=====] - 0s 9ms/step - loss: 0.4868 - accuracy: 0.
7069 - val_loss: 0.5458 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 217/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4993 - accuracy: 0.7500
Epoch 217: val_loss did not improve from 0.52396
11/11 [=====] - 0s 8ms/step - loss: 0.4781 - accuracy: 0.
7299 - val_loss: 0.5532 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 218/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4563 - accuracy: 0.6875
Epoch 218: val_loss did not improve from 0.52396
11/11 [=====] - 0s 8ms/step - loss: 0.4738 - accuracy: 0.
6897 - val_loss: 0.5967 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 219/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5090 - accuracy: 0.7188
Epoch 219: val_loss did not improve from 0.52396
11/11 [=====] - 0s 9ms/step - loss: 0.4857 - accuracy: 0.
7299 - val_loss: 0.5275 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 220/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4407 - accuracy: 0.7500
Epoch 220: val_loss did not improve from 0.52396
11/11 [=====] - 0s 9ms/step - loss: 0.4836 - accuracy: 0.
6983 - val_loss: 0.5879 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 221/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4616 - accuracy: 0.7812
Epoch 221: val_loss did not improve from 0.52396
11/11 [=====] - 0s 8ms/step - loss: 0.4667 - accuracy: 0.
7184 - val_loss: 0.5587 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 222/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5157 - accuracy: 0.5938
Epoch 222: val_loss did not improve from 0.52396
11/11 [=====] - 0s 9ms/step - loss: 0.4622 - accuracy: 0.
7069 - val_loss: 0.5595 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 223/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5412 - accuracy: 0.6250
Epoch 223: val_loss did not improve from 0.52396
11/11 [=====] - 0s 9ms/step - loss: 0.4637 - accuracy: 0.
7328 - val_loss: 0.5398 - val_accuracy: 0.6467 - lr: 0.0090
Epoch 224/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4571 - accuracy: 0.7188
Epoch 224: val_loss did not improve from 0.52396
11/11 [=====] - 0s 8ms/step - loss: 0.4635 - accuracy: 0.
7098 - val_loss: 0.5998 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 225/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5186 - accuracy: 0.6875
Epoch 225: val_loss improved from 0.52396 to 0.52366, saving model to tmp/Weights-225--0.52366.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.4716 - accuracy: 0.
7500 - val_loss: 0.5237 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 226/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4084 - accuracy: 0.8125
Epoch 226: val_loss did not improve from 0.52366
11/11 [=====] - 0s 9ms/step - loss: 0.4772 - accuracy: 0.
7011 - val_loss: 0.6223 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 227/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4768 - accuracy: 0.7500
Epoch 227: val_loss improved from 0.52366 to 0.51436, saving model to tmp/Weights-227--0.51436.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.4677 - accuracy: 0.
6925 - val_loss: 0.5144 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 228/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5119 - accuracy: 0.5625
Epoch 228: val_loss did not improve from 0.51436
11/11 [=====] - 0s 9ms/step - loss: 0.4710 - accuracy: 0.
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6954 - val_loss: 0.5543 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 229/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5090 - accuracy: 0.6562
Epoch 229: val_loss did not improve from 0.51436
11/11 [=====] - 0s 9ms/step - loss: 0.4568 - accuracy: 0.
7098 - val_loss: 0.5778 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 230/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4141 - accuracy: 0.7812
Epoch 230: val_loss did not improve from 0.51436
11/11 [=====] - 0s 9ms/step - loss: 0.4487 - accuracy: 0.
7500 - val_loss: 0.5280 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 231/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5023 - accuracy: 0.7500
Epoch 231: val_loss did not improve from 0.51436
11/11 [=====] - 0s 10ms/step - loss: 0.4545 - accuracy: 0.
6925 - val_loss: 0.5858 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 232/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4477 - accuracy: 0.7500
Epoch 232: val_loss did not improve from 0.51436
11/11 [=====] - 0s 8ms/step - loss: 0.4524 - accuracy: 0.
7098 - val_loss: 0.5511 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 233/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3853 - accuracy: 0.7500
Epoch 233: val_loss did not improve from 0.51436
11/11 [=====] - 0s 9ms/step - loss: 0.4462 - accuracy: 0.
7213 - val_loss: 0.5666 - val_accuracy: 0.6533 - lr: 0.0090
Epoch 234/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4054 - accuracy: 0.7812
Epoch 234: val_loss did not improve from 0.51436
11/11 [=====] - 0s 8ms/step - loss: 0.4429 - accuracy: 0.
7557 - val_loss: 0.5680 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 235/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4348 - accuracy: 0.8750
Epoch 235: val_loss did not improve from 0.51436
11/11 [=====] - 0s 9ms/step - loss: 0.4428 - accuracy: 0.
7816 - val_loss: 0.5406 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 236/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4486 - accuracy: 0.8125
Epoch 236: val_loss did not improve from 0.51436
11/11 [=====] - 0s 8ms/step - loss: 0.4449 - accuracy: 0.
7213 - val_loss: 0.5486 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 237/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3774 - accuracy: 0.8438
Epoch 237: val_loss did not improve from 0.51436
11/11 [=====] - 0s 8ms/step - loss: 0.4367 - accuracy: 0.
7155 - val_loss: 0.5595 - val_accuracy: 0.6600 - lr: 0.0090
Epoch 238/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4296 - accuracy: 0.6875
Epoch 238: val_loss did not improve from 0.51436
11/11 [=====] - 0s 8ms/step - loss: 0.4366 - accuracy: 0.
7672 - val_loss: 0.5685 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 239/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3993 - accuracy: 0.9375
Epoch 239: val_loss did not improve from 0.51436
11/11 [=====] - 0s 9ms/step - loss: 0.4378 - accuracy: 0.
7414 - val_loss: 0.5425 - val_accuracy: 0.6733 - lr: 0.0090
Epoch 240/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4547 - accuracy: 0.7812
Epoch 240: val_loss did not improve from 0.51436
11/11 [=====] - 0s 9ms/step - loss: 0.4361 - accuracy: 0.
7557 - val_loss: 0.5839 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 241/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4669 - accuracy: 0.7188
Epoch 241: val_loss did not improve from 0.51436
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11/11 [=====] - 0s 8ms/step - loss: 0.4327 - accuracy: 0.  
7672 - val_loss: 0.5437 - val_accuracy: 0.6933 - lr: 0.0090  
Epoch 242/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5387 - accuracy: 0.5938  
Epoch 242: val_loss did not improve from 0.51436  
11/11 [=====] - 0s 9ms/step - loss: 0.4332 - accuracy: 0.  
7299 - val_loss: 0.5611 - val_accuracy: 0.6733 - lr: 0.0090  
Epoch 243/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4427 - accuracy: 0.6875  
Epoch 243: val_loss did not improve from 0.51436  
11/11 [=====] - 0s 9ms/step - loss: 0.4409 - accuracy: 0.  
7356 - val_loss: 0.5346 - val_accuracy: 0.6867 - lr: 0.0090  
Epoch 244/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3999 - accuracy: 0.7188  
Epoch 244: val_loss did not improve from 0.51436  
11/11 [=====] - 0s 9ms/step - loss: 0.4279 - accuracy: 0.  
7414 - val_loss: 0.5820 - val_accuracy: 0.6533 - lr: 0.0090  
Epoch 245/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4675 - accuracy: 0.7500  
Epoch 245: val_loss did not improve from 0.51436  
11/11 [=====] - 0s 8ms/step - loss: 0.4358 - accuracy: 0.  
7299 - val_loss: 0.5163 - val_accuracy: 0.6600 - lr: 0.0090  
Epoch 246/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3756 - accuracy: 0.7812  
Epoch 246: val_loss did not improve from 0.51436  
11/11 [=====] - 0s 8ms/step - loss: 0.4441 - accuracy: 0.  
7040 - val_loss: 0.5698 - val_accuracy: 0.6800 - lr: 0.0090  
Epoch 247/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4571 - accuracy: 0.7500  
Epoch 247: val_loss did not improve from 0.51436  
11/11 [=====] - 0s 8ms/step - loss: 0.4483 - accuracy: 0.  
7299 - val_loss: 0.5812 - val_accuracy: 0.6600 - lr: 0.0090  
Epoch 248/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4448 - accuracy: 0.7500  
Epoch 248: val_loss did not improve from 0.51436  
11/11 [=====] - 0s 9ms/step - loss: 0.4408 - accuracy: 0.  
7385 - val_loss: 0.5465 - val_accuracy: 0.6800 - lr: 0.0090  
Epoch 249/1000  
10/11 [=====>...] - ETA: 0s - loss: 0.4369 - accuracy: 0.7281  
Epoch 249: val_loss did not improve from 0.51436  
11/11 [=====] - 0s 10ms/step - loss: 0.4407 - accuracy:  
0.7213 - val_loss: 0.5594 - val_accuracy: 0.6733 - lr: 0.0090  
Epoch 250/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4483 - accuracy: 0.6562  
Epoch 250: val_loss did not improve from 0.51436  
11/11 [=====] - 0s 8ms/step - loss: 0.4287 - accuracy: 0.  
7644 - val_loss: 0.5699 - val_accuracy: 0.7200 - lr: 0.0090  
Epoch 251/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4437 - accuracy: 0.8125  
Epoch 251: val_loss did not improve from 0.51436  
11/11 [=====] - 0s 9ms/step - loss: 0.4319 - accuracy: 0.  
7557 - val_loss: 0.5447 - val_accuracy: 0.7200 - lr: 0.0090  
Epoch 252/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4843 - accuracy: 0.7500  
Epoch 252: val_loss did not improve from 0.51436  
11/11 [=====] - 0s 9ms/step - loss: 0.4134 - accuracy: 0.  
7730 - val_loss: 0.5810 - val_accuracy: 0.7000 - lr: 0.0090  
Epoch 253/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4102 - accuracy: 0.8125  
Epoch 253: val_loss did not improve from 0.51436  
11/11 [=====] - 0s 9ms/step - loss: 0.4187 - accuracy: 0.  
7529 - val_loss: 0.5703 - val_accuracy: 0.6333 - lr: 0.0090  
Epoch 254/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4106 - accuracy: 0.7188
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Epoch 254: val_loss did not improve from 0.51436
11/11 [=====] - 0s 9ms/step - loss: 0.4128 - accuracy: 0.
7644 - val_loss: 0.5655 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 255/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3235 - accuracy: 0.8125
Epoch 255: val_loss did not improve from 0.51436
11/11 [=====] - 0s 9ms/step - loss: 0.4208 - accuracy: 0.
7615 - val_loss: 0.5610 - val_accuracy: 0.7133 - lr: 0.0090
Epoch 256/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4334 - accuracy: 0.7500
Epoch 256: val_loss did not improve from 0.51436
11/11 [=====] - 0s 10ms/step - loss: 0.4191 - accuracy:
0.7615 - val_loss: 0.5347 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 257/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3310 - accuracy: 0.7812
Epoch 257: val_loss did not improve from 0.51436
11/11 [=====] - 0s 9ms/step - loss: 0.4118 - accuracy: 0.
7443 - val_loss: 0.5570 - val_accuracy: 0.7133 - lr: 0.0090
Epoch 258/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4360 - accuracy: 0.8125
Epoch 258: val_loss improved from 0.51436 to 0.50057, saving model to tmp/Weights-
258--0.50057.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.4256 - accuracy:
0.7644 - val_loss: 0.5006 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 259/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4126 - accuracy: 0.6875
Epoch 259: val_loss did not improve from 0.50057
11/11 [=====] - 0s 8ms/step - loss: 0.4268 - accuracy: 0.
7414 - val_loss: 0.5407 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 260/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3777 - accuracy: 0.8125
Epoch 260: val_loss did not improve from 0.50057
11/11 [=====] - 0s 8ms/step - loss: 0.4113 - accuracy: 0.
7874 - val_loss: 0.5979 - val_accuracy: 0.7000 - lr: 0.0090
Epoch 261/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4214 - accuracy: 0.6875
Epoch 261: val_loss did not improve from 0.50057
11/11 [=====] - 0s 9ms/step - loss: 0.4200 - accuracy: 0.
7902 - val_loss: 0.5630 - val_accuracy: 0.7067 - lr: 0.0090
Epoch 262/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4894 - accuracy: 0.7812
Epoch 262: val_loss did not improve from 0.50057
11/11 [=====] - 0s 8ms/step - loss: 0.4059 - accuracy: 0.
7672 - val_loss: 0.5611 - val_accuracy: 0.7000 - lr: 0.0090
Epoch 263/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4186 - accuracy: 0.7500
Epoch 263: val_loss did not improve from 0.50057
11/11 [=====] - 0s 10ms/step - loss: 0.4116 - accuracy:
0.7299 - val_loss: 0.5563 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 264/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4808 - accuracy: 0.7812
Epoch 264: val_loss did not improve from 0.50057
11/11 [=====] - 0s 9ms/step - loss: 0.4175 - accuracy: 0.
7672 - val_loss: 0.5906 - val_accuracy: 0.7067 - lr: 0.0090
Epoch 265/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4596 - accuracy: 0.8125
Epoch 265: val_loss did not improve from 0.50057
11/11 [=====] - 0s 9ms/step - loss: 0.4052 - accuracy: 0.
7644 - val_loss: 0.5518 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 266/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3184 - accuracy: 0.8438
Epoch 266: val_loss did not improve from 0.50057
11/11 [=====] - 0s 9ms/step - loss: 0.4124 - accuracy: 0.
7787 - val_loss: 0.5450 - val_accuracy: 0.7667 - lr: 0.0090
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Epoch 267/1000
1/11 [=>.....] - ETA: 0s - loss: 0.2829 - accuracy: 0.8438
Epoch 267: val_loss did not improve from 0.50057
11/11 [=====] - 0s 8ms/step - loss: 0.4103 - accuracy: 0.
7557 - val_loss: 0.5785 - val_accuracy: 0.7000 - lr: 0.0090
Epoch 268/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3453 - accuracy: 0.8125
Epoch 268: val_loss improved from 0.50057 to 0.48760, saving model to tmp/Weights-
268--0.48760.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.4099 - accuracy:
0.7443 - val_loss: 0.4876 - val_accuracy: 0.7600 - lr: 0.0090
Epoch 269/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3653 - accuracy: 0.7812
Epoch 269: val_loss did not improve from 0.48760
11/11 [=====] - 0s 9ms/step - loss: 0.4249 - accuracy: 0.
7644 - val_loss: 0.5961 - val_accuracy: 0.6933 - lr: 0.0090
Epoch 270/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3889 - accuracy: 0.7812
Epoch 270: val_loss did not improve from 0.48760
11/11 [=====] - 0s 9ms/step - loss: 0.4233 - accuracy: 0.
7443 - val_loss: 0.5700 - val_accuracy: 0.6800 - lr: 0.0090
Epoch 271/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4652 - accuracy: 0.7188
Epoch 271: val_loss did not improve from 0.48760
11/11 [=====] - 0s 8ms/step - loss: 0.4147 - accuracy: 0.
7960 - val_loss: 0.5084 - val_accuracy: 0.7467 - lr: 0.0090
Epoch 272/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3942 - accuracy: 0.8750
Epoch 272: val_loss did not improve from 0.48760
11/11 [=====] - 0s 9ms/step - loss: 0.4046 - accuracy: 0.
7644 - val_loss: 0.5910 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 273/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4001 - accuracy: 0.8125
Epoch 273: val_loss did not improve from 0.48760
11/11 [=====] - 0s 9ms/step - loss: 0.4030 - accuracy: 0.
7787 - val_loss: 0.5068 - val_accuracy: 0.7533 - lr: 0.0090
Epoch 274/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4871 - accuracy: 0.6875
Epoch 274: val_loss did not improve from 0.48760
11/11 [=====] - 0s 13ms/step - loss: 0.3942 - accuracy:
0.7672 - val_loss: 0.5557 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 275/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4187 - accuracy: 0.7500
Epoch 275: val_loss did not improve from 0.48760
11/11 [=====] - 0s 9ms/step - loss: 0.3977 - accuracy: 0.
7787 - val_loss: 0.5390 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 276/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3651 - accuracy: 0.8438
Epoch 276: val_loss did not improve from 0.48760
11/11 [=====] - 0s 9ms/step - loss: 0.3986 - accuracy: 0.
7787 - val_loss: 0.5064 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 277/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3524 - accuracy: 0.8438
Epoch 277: val_loss did not improve from 0.48760
11/11 [=====] - 0s 10ms/step - loss: 0.3912 - accuracy:
0.7931 - val_loss: 0.5893 - val_accuracy: 0.6867 - lr: 0.0090
Epoch 278/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4618 - accuracy: 0.7812
Epoch 278: val_loss did not improve from 0.48760
11/11 [=====] - 0s 13ms/step - loss: 0.3923 - accuracy:
0.7586 - val_loss: 0.5069 - val_accuracy: 0.7333 - lr: 0.0090
Epoch 279/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4566 - accuracy: 0.7812
Epoch 279: val_loss did not improve from 0.48760
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11/11 [=====] - 0s 9ms/step - loss: 0.3946 - accuracy: 0.  
7759 - val_loss: 0.5535 - val_accuracy: 0.7400 - lr: 0.0090  
Epoch 280/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3463 - accuracy: 0.9062  
Epoch 280: val_loss did not improve from 0.48760  
11/11 [=====] - 0s 8ms/step - loss: 0.4028 - accuracy: 0.  
7672 - val_loss: 0.4887 - val_accuracy: 0.7133 - lr: 0.0090  
Epoch 281/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3941 - accuracy: 0.8750  
Epoch 281: val_loss did not improve from 0.48760  
11/11 [=====] - 0s 8ms/step - loss: 0.4054 - accuracy: 0.  
7845 - val_loss: 0.5253 - val_accuracy: 0.6933 - lr: 0.0090  
Epoch 282/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4723 - accuracy: 0.6562  
Epoch 282: val_loss did not improve from 0.48760  
11/11 [=====] - 0s 8ms/step - loss: 0.3942 - accuracy: 0.  
7644 - val_loss: 0.5621 - val_accuracy: 0.7133 - lr: 0.0090  
Epoch 283/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3350 - accuracy: 0.8125  
Epoch 283: val_loss did not improve from 0.48760  
11/11 [=====] - 0s 10ms/step - loss: 0.3938 - accuracy:  
0.7730 - val_loss: 0.5297 - val_accuracy: 0.7333 - lr: 0.0090  
Epoch 284/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3687 - accuracy: 0.7188  
Epoch 284: val_loss did not improve from 0.48760  
11/11 [=====] - 0s 9ms/step - loss: 0.3947 - accuracy: 0.  
7615 - val_loss: 0.5230 - val_accuracy: 0.7267 - lr: 0.0090  
Epoch 285/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4433 - accuracy: 0.7188  
Epoch 285: val_loss did not improve from 0.48760  
11/11 [=====] - 0s 8ms/step - loss: 0.3870 - accuracy: 0.  
8046 - val_loss: 0.5356 - val_accuracy: 0.7533 - lr: 0.0090  
Epoch 286/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3690 - accuracy: 0.8750  
Epoch 286: val_loss did not improve from 0.48760  
11/11 [=====] - 0s 8ms/step - loss: 0.3857 - accuracy: 0.  
7960 - val_loss: 0.4976 - val_accuracy: 0.7333 - lr: 0.0090  
Epoch 287/1000  
11/11 [=====] - ETA: 0s - loss: 0.3907 - accuracy: 0.8075  
Epoch 287: val_loss did not improve from 0.48760  
11/11 [=====] - 0s 11ms/step - loss: 0.3907 - accuracy:  
0.8075 - val_loss: 0.5701 - val_accuracy: 0.7267 - lr: 0.0090  
Epoch 288/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3382 - accuracy: 0.8125  
Epoch 288: val_loss did not improve from 0.48760  
11/11 [=====] - 0s 9ms/step - loss: 0.3853 - accuracy: 0.  
7902 - val_loss: 0.5228 - val_accuracy: 0.7600 - lr: 0.0090  
Epoch 289/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4489 - accuracy: 0.7812  
Epoch 289: val_loss did not improve from 0.48760  
11/11 [=====] - 0s 9ms/step - loss: 0.3834 - accuracy: 0.  
7989 - val_loss: 0.5709 - val_accuracy: 0.7067 - lr: 0.0090  
Epoch 290/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3657 - accuracy: 0.7500  
Epoch 290: val_loss did not improve from 0.48760  
11/11 [=====] - 0s 10ms/step - loss: 0.3800 - accuracy:  
0.7845 - val_loss: 0.5393 - val_accuracy: 0.7600 - lr: 0.0090  
Epoch 291/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4281 - accuracy: 0.7500  
Epoch 291: val_loss did not improve from 0.48760  
11/11 [=====] - 0s 8ms/step - loss: 0.3802 - accuracy: 0.  
7845 - val_loss: 0.5669 - val_accuracy: 0.7067 - lr: 0.0090  
Epoch 292/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3422 - accuracy: 0.7812
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Epoch 292: val_loss did not improve from 0.48760
11/11 [=====] - 0s 8ms/step - loss: 0.3798 - accuracy: 0.
8017 - val_loss: 0.5194 - val_accuracy: 0.7467 - lr: 0.0090
Epoch 293/1000
1/11 [=>.....] - ETA: 0s - loss: 0.2701 - accuracy: 0.9062
Epoch 293: val_loss did not improve from 0.48760
11/11 [=====] - 0s 9ms/step - loss: 0.3878 - accuracy: 0.
7931 - val_loss: 0.5681 - val_accuracy: 0.7133 - lr: 0.0090
Epoch 294/1000
11/11 [=====] - ETA: 0s - loss: 0.4048 - accuracy: 0.7529
Epoch 294: val_loss did not improve from 0.48760
11/11 [=====] - 0s 11ms/step - loss: 0.4048 - accuracy:
0.7529 - val_loss: 0.5752 - val_accuracy: 0.7533 - lr: 0.0090
Epoch 295/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4081 - accuracy: 0.8125
Epoch 295: val_loss did not improve from 0.48760
11/11 [=====] - 0s 8ms/step - loss: 0.3878 - accuracy: 0.
7874 - val_loss: 0.5918 - val_accuracy: 0.7467 - lr: 0.0090
Epoch 296/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3450 - accuracy: 0.9062
Epoch 296: val_loss did not improve from 0.48760
11/11 [=====] - 0s 8ms/step - loss: 0.3881 - accuracy: 0.
7989 - val_loss: 0.5433 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 297/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3977 - accuracy: 0.7500
Epoch 297: val_loss did not improve from 0.48760
11/11 [=====] - 0s 8ms/step - loss: 0.3963 - accuracy: 0.
7557 - val_loss: 0.5393 - val_accuracy: 0.7400 - lr: 0.0090
Epoch 298/1000
10/11 [=====>...] - ETA: 0s - loss: 0.3714 - accuracy: 0.8031
Epoch 298: val_loss did not improve from 0.48760
11/11 [=====] - 0s 10ms/step - loss: 0.3727 - accuracy:
0.8046 - val_loss: 0.6015 - val_accuracy: 0.7400 - lr: 0.0090
Epoch 299/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4388 - accuracy: 0.7500
Epoch 299: val_loss did not improve from 0.48760
11/11 [=====] - 0s 8ms/step - loss: 0.3809 - accuracy: 0.
7960 - val_loss: 0.5084 - val_accuracy: 0.7333 - lr: 0.0090
Epoch 300/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3390 - accuracy: 0.8438
Epoch 300: val_loss did not improve from 0.48760
11/11 [=====] - 0s 9ms/step - loss: 0.3757 - accuracy: 0.
8103 - val_loss: 0.5418 - val_accuracy: 0.7533 - lr: 0.0090
Epoch 301/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3478 - accuracy: 0.7500
Epoch 301: val_loss did not improve from 0.48760
11/11 [=====] - 0s 9ms/step - loss: 0.3775 - accuracy: 0.
7902 - val_loss: 0.5620 - val_accuracy: 0.7400 - lr: 0.0090
Epoch 302/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4138 - accuracy: 0.7812
Epoch 302: val_loss did not improve from 0.48760
11/11 [=====] - 0s 9ms/step - loss: 0.3697 - accuracy: 0.
8103 - val_loss: 0.5157 - val_accuracy: 0.7800 - lr: 0.0090
Epoch 303/1000
1/11 [=>.....] - ETA: 0s - loss: 0.2946 - accuracy: 0.9062
Epoch 303: val_loss did not improve from 0.48760
11/11 [=====] - 0s 9ms/step - loss: 0.3671 - accuracy: 0.
8132 - val_loss: 0.5263 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 304/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4196 - accuracy: 0.7500
Epoch 304: val_loss did not improve from 0.48760
11/11 [=====] - 0s 11ms/step - loss: 0.3692 - accuracy:
0.7931 - val_loss: 0.5506 - val_accuracy: 0.7533 - lr: 0.0090
Epoch 305/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.3930 - accuracy: 0.7188
Epoch 305: val_loss did not improve from 0.48760
11/11 [=====] - 0s 9ms/step - loss: 0.3719 - accuracy: 0.
8075 - val_loss: 0.5378 - val_accuracy: 0.7400 - lr: 0.0090
Epoch 306/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4713 - accuracy: 0.6875
Epoch 306: val_loss did not improve from 0.48760
11/11 [=====] - 0s 9ms/step - loss: 0.3716 - accuracy: 0.
7874 - val_loss: 0.5692 - val_accuracy: 0.7400 - lr: 0.0090
Epoch 307/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4399 - accuracy: 0.7812
Epoch 307: val_loss did not improve from 0.48760
11/11 [=====] - 0s 8ms/step - loss: 0.3783 - accuracy: 0.
7816 - val_loss: 0.5110 - val_accuracy: 0.7400 - lr: 0.0090
Epoch 308/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3665 - accuracy: 0.8125
Epoch 308: val_loss did not improve from 0.48760
11/11 [=====] - 0s 9ms/step - loss: 0.3817 - accuracy: 0.
8075 - val_loss: 0.5402 - val_accuracy: 0.7333 - lr: 0.0090
Epoch 309/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4140 - accuracy: 0.8125
Epoch 309: val_loss did not improve from 0.48760
11/11 [=====] - 0s 9ms/step - loss: 0.3708 - accuracy: 0.
7902 - val_loss: 0.5742 - val_accuracy: 0.7400 - lr: 0.0090
Epoch 310/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3325 - accuracy: 0.8438
Epoch 310: val_loss did not improve from 0.48760
11/11 [=====] - 0s 9ms/step - loss: 0.3734 - accuracy: 0.
7989 - val_loss: 0.5416 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 311/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4162 - accuracy: 0.8438
Epoch 311: val_loss did not improve from 0.48760
11/11 [=====] - 0s 9ms/step - loss: 0.3748 - accuracy: 0.
7902 - val_loss: 0.5341 - val_accuracy: 0.6667 - lr: 0.0090
Epoch 312/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3874 - accuracy: 0.8125
Epoch 312: val_loss did not improve from 0.48760
11/11 [=====] - 0s 8ms/step - loss: 0.4010 - accuracy: 0.
7586 - val_loss: 0.5803 - val_accuracy: 0.7467 - lr: 0.0090
Epoch 313/1000
1/11 [=>.....] - ETA: 0s - loss: 0.2836 - accuracy: 0.9062
Epoch 313: val_loss did not improve from 0.48760
11/11 [=====] - 0s 9ms/step - loss: 0.3714 - accuracy: 0.
8046 - val_loss: 0.5237 - val_accuracy: 0.7733 - lr: 0.0090
Epoch 314/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3106 - accuracy: 0.8438
Epoch 314: val_loss did not improve from 0.48760
11/11 [=====] - 0s 9ms/step - loss: 0.3687 - accuracy: 0.
8132 - val_loss: 0.5480 - val_accuracy: 0.7400 - lr: 0.0090
Epoch 315/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3183 - accuracy: 0.8750
Epoch 315: val_loss did not improve from 0.48760
11/11 [=====] - 0s 8ms/step - loss: 0.3688 - accuracy: 0.
8046 - val_loss: 0.5430 - val_accuracy: 0.7600 - lr: 0.0090
Epoch 316/1000
11/11 [=====] - ETA: 0s - loss: 0.3615 - accuracy: 0.8190
Epoch 316: val_loss did not improve from 0.48760
11/11 [=====] - 0s 9ms/step - loss: 0.3615 - accuracy: 0.
8190 - val_loss: 0.5822 - val_accuracy: 0.7000 - lr: 0.0090
Epoch 317/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3417 - accuracy: 0.8750
Epoch 317: val_loss did not improve from 0.48760
11/11 [=====] - 0s 9ms/step - loss: 0.3619 - accuracy: 0.
7931 - val_loss: 0.5295 - val_accuracy: 0.7533 - lr: 0.0090
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Epoch 318/1000
10/11 [=====>...] - ETA: 0s - loss: 0.3603 - accuracy: 0.8219
Epoch 318: val_loss did not improve from 0.48760

Epoch 318: ReduceLROnPlateau reducing learning rate to 0.006299999728798866.
11/11 [=====] - 0s 11ms/step - loss: 0.3675 - accuracy: 0.8190 - val_loss: 0.5917 - val_accuracy: 0.7533 - lr: 0.0090
Epoch 319/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3155 - accuracy: 0.7500
Epoch 319: val_loss improved from 0.48760 to 0.47041, saving model to tmp/Weights-319--0.47041.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.3764 - accuracy: 0.7845 - val_loss: 0.4704 - val_accuracy: 0.7600 - lr: 0.0063
Epoch 320/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4026 - accuracy: 0.7812
Epoch 320: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3574 - accuracy: 0.8132 - val_loss: 0.5245 - val_accuracy: 0.7600 - lr: 0.0063
Epoch 321/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3632 - accuracy: 0.8438
Epoch 321: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3582 - accuracy: 0.8161 - val_loss: 0.5588 - val_accuracy: 0.7200 - lr: 0.0063
Epoch 322/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5049 - accuracy: 0.6250
Epoch 322: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3581 - accuracy: 0.7874 - val_loss: 0.5246 - val_accuracy: 0.7533 - lr: 0.0063
Epoch 323/1000
1/11 [=>.....] - ETA: 0s - loss: 0.2970 - accuracy: 0.8125
Epoch 323: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3555 - accuracy: 0.8103 - val_loss: 0.5291 - val_accuracy: 0.7200 - lr: 0.0063
Epoch 324/1000
1/11 [=>.....] - ETA: 0s - loss: 0.2845 - accuracy: 0.8750
Epoch 324: val_loss did not improve from 0.47041
11/11 [=====] - 0s 9ms/step - loss: 0.3563 - accuracy: 0.8190 - val_loss: 0.5557 - val_accuracy: 0.7400 - lr: 0.0063
Epoch 325/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3874 - accuracy: 0.8125
Epoch 325: val_loss did not improve from 0.47041
11/11 [=====] - 0s 10ms/step - loss: 0.3546 - accuracy: 0.8103 - val_loss: 0.5277 - val_accuracy: 0.7267 - lr: 0.0063
Epoch 326/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4495 - accuracy: 0.6562
Epoch 326: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3560 - accuracy: 0.8017 - val_loss: 0.5492 - val_accuracy: 0.7600 - lr: 0.0063
Epoch 327/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4351 - accuracy: 0.6875
Epoch 327: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3575 - accuracy: 0.8190 - val_loss: 0.5115 - val_accuracy: 0.7200 - lr: 0.0063
Epoch 328/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3449 - accuracy: 0.9062
Epoch 328: val_loss did not improve from 0.47041
11/11 [=====] - 0s 12ms/step - loss: 0.3561 - accuracy: 0.8103 - val_loss: 0.5469 - val_accuracy: 0.7533 - lr: 0.0063
Epoch 329/1000
1/11 [=>.....] - ETA: 0s - loss: 0.2422 - accuracy: 0.9062
Epoch 329: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3544 - accuracy: 0.8190 - val_loss: 0.5535 - val_accuracy: 0.7200 - lr: 0.0063
Epoch 330/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.2333 - accuracy: 0.9062
Epoch 330: val_loss did not improve from 0.47041
11/11 [=====] - 0s 9ms/step - loss: 0.3515 - accuracy: 0.
8046 - val_loss: 0.5188 - val_accuracy: 0.7667 - lr: 0.0063
Epoch 331/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3988 - accuracy: 0.7812
Epoch 331: val_loss did not improve from 0.47041
11/11 [=====] - 0s 9ms/step - loss: 0.3523 - accuracy: 0.
8276 - val_loss: 0.5465 - val_accuracy: 0.7467 - lr: 0.0063
Epoch 332/1000
11/11 [=====] - ETA: 0s - loss: 0.3520 - accuracy: 0.8075
Epoch 332: val_loss did not improve from 0.47041
11/11 [=====] - 0s 11ms/step - loss: 0.3520 - accuracy: 0.
8075 - val_loss: 0.5141 - val_accuracy: 0.7267 - lr: 0.0063
Epoch 333/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4331 - accuracy: 0.7812
Epoch 333: val_loss did not improve from 0.47041
11/11 [=====] - 0s 9ms/step - loss: 0.3504 - accuracy: 0.
8132 - val_loss: 0.5668 - val_accuracy: 0.7400 - lr: 0.0063
Epoch 334/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3069 - accuracy: 0.7812
Epoch 334: val_loss did not improve from 0.47041
11/11 [=====] - 0s 9ms/step - loss: 0.3506 - accuracy: 0.
8161 - val_loss: 0.5132 - val_accuracy: 0.7333 - lr: 0.0063
Epoch 335/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3818 - accuracy: 0.7500
Epoch 335: val_loss did not improve from 0.47041
11/11 [=====] - 0s 9ms/step - loss: 0.3532 - accuracy: 0.
8017 - val_loss: 0.5253 - val_accuracy: 0.7600 - lr: 0.0063
Epoch 336/1000
1/11 [=>.....] - ETA: 0s - loss: 0.2920 - accuracy: 0.8125
Epoch 336: val_loss did not improve from 0.47041
11/11 [=====] - 0s 9ms/step - loss: 0.3559 - accuracy: 0.
8190 - val_loss: 0.5091 - val_accuracy: 0.7467 - lr: 0.0063
Epoch 337/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3647 - accuracy: 0.8438
Epoch 337: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3524 - accuracy: 0.
8132 - val_loss: 0.5422 - val_accuracy: 0.7600 - lr: 0.0063
Epoch 338/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4051 - accuracy: 0.7812
Epoch 338: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3508 - accuracy: 0.
8276 - val_loss: 0.5379 - val_accuracy: 0.7533 - lr: 0.0063
Epoch 339/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3165 - accuracy: 0.9375
Epoch 339: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3500 - accuracy: 0.
8161 - val_loss: 0.5157 - val_accuracy: 0.7400 - lr: 0.0063
Epoch 340/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3850 - accuracy: 0.8438
Epoch 340: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3496 - accuracy: 0.
8247 - val_loss: 0.5508 - val_accuracy: 0.7600 - lr: 0.0063
Epoch 341/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3058 - accuracy: 0.8750
Epoch 341: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3470 - accuracy: 0.
8161 - val_loss: 0.5300 - val_accuracy: 0.7267 - lr: 0.0063
Epoch 342/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3020 - accuracy: 0.8125
Epoch 342: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3470 - accuracy: 0.
7989 - val_loss: 0.5206 - val_accuracy: 0.7400 - lr: 0.0063
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Epoch 343/1000
1/11 [=>.....] - ETA: 0s - loss: 0.2493 - accuracy: 0.9375
Epoch 343: val_loss did not improve from 0.47041
11/11 [=====] - 0s 9ms/step - loss: 0.3464 - accuracy: 0.
8247 - val_loss: 0.5374 - val_accuracy: 0.7600 - lr: 0.0063
Epoch 344/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3544 - accuracy: 0.8750
Epoch 344: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3497 - accuracy: 0.
8190 - val_loss: 0.5169 - val_accuracy: 0.7400 - lr: 0.0063
Epoch 345/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3676 - accuracy: 0.8125
Epoch 345: val_loss did not improve from 0.47041
11/11 [=====] - 0s 10ms/step - loss: 0.3527 - accuracy:
0.8190 - val_loss: 0.5290 - val_accuracy: 0.7333 - lr: 0.0063
Epoch 346/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3230 - accuracy: 0.9062
Epoch 346: val_loss did not improve from 0.47041
11/11 [=====] - 0s 9ms/step - loss: 0.3491 - accuracy: 0.
8046 - val_loss: 0.4995 - val_accuracy: 0.7533 - lr: 0.0063
Epoch 347/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4235 - accuracy: 0.7188
Epoch 347: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3445 - accuracy: 0.
8276 - val_loss: 0.5529 - val_accuracy: 0.7533 - lr: 0.0063
Epoch 348/1000
1/11 [=>.....] - ETA: 0s - loss: 0.2598 - accuracy: 0.9062
Epoch 348: val_loss did not improve from 0.47041
11/11 [=====] - 0s 9ms/step - loss: 0.3464 - accuracy: 0.
8247 - val_loss: 0.5207 - val_accuracy: 0.7467 - lr: 0.0063
Epoch 349/1000
1/11 [=>.....] - ETA: 0s - loss: 0.2986 - accuracy: 0.8438
Epoch 349: val_loss did not improve from 0.47041
11/11 [=====] - 0s 9ms/step - loss: 0.3442 - accuracy: 0.
8190 - val_loss: 0.5300 - val_accuracy: 0.7667 - lr: 0.0063
Epoch 350/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3783 - accuracy: 0.8125
Epoch 350: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3475 - accuracy: 0.
8218 - val_loss: 0.5157 - val_accuracy: 0.7333 - lr: 0.0063
Epoch 351/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4046 - accuracy: 0.7812
Epoch 351: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3464 - accuracy: 0.
8075 - val_loss: 0.4985 - val_accuracy: 0.7800 - lr: 0.0063
Epoch 352/1000
1/11 [=>.....] - ETA: 0s - loss: 0.2981 - accuracy: 0.9062
Epoch 352: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3620 - accuracy: 0.
8046 - val_loss: 0.5256 - val_accuracy: 0.7333 - lr: 0.0063
Epoch 353/1000
1/11 [=>.....] - ETA: 0s - loss: 0.2822 - accuracy: 0.8438
Epoch 353: val_loss did not improve from 0.47041
11/11 [=====] - 0s 9ms/step - loss: 0.3530 - accuracy: 0.
7960 - val_loss: 0.5577 - val_accuracy: 0.7533 - lr: 0.0063
Epoch 354/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3018 - accuracy: 0.8125
Epoch 354: val_loss did not improve from 0.47041
11/11 [=====] - 0s 9ms/step - loss: 0.3576 - accuracy: 0.
8161 - val_loss: 0.5181 - val_accuracy: 0.7667 - lr: 0.0063
Epoch 355/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3241 - accuracy: 0.8438
Epoch 355: val_loss did not improve from 0.47041
11/11 [=====] - 0s 11ms/step - loss: 0.3471 - accuracy:
```

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0.8075 - val_loss: 0.5332 - val_accuracy: 0.7800 - lr: 0.0063
Epoch 356/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4514 - accuracy: 0.7188
Epoch 356: val_loss did not improve from 0.47041
11/11 [=====] - 0s 9ms/step - loss: 0.3492 - accuracy: 0.
8046 - val_loss: 0.5315 - val_accuracy: 0.7400 - lr: 0.0063
Epoch 357/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3417 - accuracy: 0.7812
Epoch 357: val_loss did not improve from 0.47041
11/11 [=====] - 0s 9ms/step - loss: 0.3487 - accuracy: 0.
8276 - val_loss: 0.5020 - val_accuracy: 0.7867 - lr: 0.0063
Epoch 358/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4824 - accuracy: 0.7812
Epoch 358: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3489 - accuracy: 0.
8247 - val_loss: 0.5265 - val_accuracy: 0.7467 - lr: 0.0063
Epoch 359/1000
10/11 [=====>...] - ETA: 0s - loss: 0.3460 - accuracy: 0.7781
Epoch 359: val_loss did not improve from 0.47041
11/11 [=====] - 0s 10ms/step - loss: 0.3472 - accuracy: 0.
7816 - val_loss: 0.5242 - val_accuracy: 0.7467 - lr: 0.0063
Epoch 360/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3323 - accuracy: 0.7812
Epoch 360: val_loss did not improve from 0.47041
11/11 [=====] - 0s 7ms/step - loss: 0.3478 - accuracy: 0.
8276 - val_loss: 0.5480 - val_accuracy: 0.7733 - lr: 0.0063
Epoch 361/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3800 - accuracy: 0.8438
Epoch 361: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3492 - accuracy: 0.
8046 - val_loss: 0.4901 - val_accuracy: 0.7733 - lr: 0.0063
Epoch 362/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3255 - accuracy: 0.8438
Epoch 362: val_loss did not improve from 0.47041
11/11 [=====] - 0s 9ms/step - loss: 0.3425 - accuracy: 0.
8161 - val_loss: 0.5527 - val_accuracy: 0.7667 - lr: 0.0063
Epoch 363/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3789 - accuracy: 0.8125
Epoch 363: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3453 - accuracy: 0.
8132 - val_loss: 0.5233 - val_accuracy: 0.7667 - lr: 0.0063
Epoch 364/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4386 - accuracy: 0.7188
Epoch 364: val_loss did not improve from 0.47041
11/11 [=====] - 0s 9ms/step - loss: 0.3538 - accuracy: 0.
7989 - val_loss: 0.4982 - val_accuracy: 0.7467 - lr: 0.0063
Epoch 365/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4812 - accuracy: 0.6875
Epoch 365: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3424 - accuracy: 0.
8190 - val_loss: 0.5414 - val_accuracy: 0.7733 - lr: 0.0063
Epoch 366/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3804 - accuracy: 0.7812
Epoch 366: val_loss did not improve from 0.47041
11/11 [=====] - 0s 9ms/step - loss: 0.3450 - accuracy: 0.
8247 - val_loss: 0.5279 - val_accuracy: 0.7533 - lr: 0.0063
Epoch 367/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4139 - accuracy: 0.7188
Epoch 367: val_loss did not improve from 0.47041
11/11 [=====] - 0s 9ms/step - loss: 0.3428 - accuracy: 0.
8132 - val_loss: 0.5021 - val_accuracy: 0.7600 - lr: 0.0063
Epoch 368/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3029 - accuracy: 0.8438
Epoch 368: val_loss did not improve from 0.47041
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11/11 [=====] - 0s 9ms/step - loss: 0.3437 - accuracy: 0.  
8218 - val_loss: 0.5276 - val_accuracy: 0.7800 - lr: 0.0063  
Epoch 369/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3925 - accuracy: 0.7812  
Epoch 369: val_loss did not improve from 0.47041  
  
Epoch 369: ReduceLROnPlateau reducing learning rate to 0.004409999679774046.  
11/11 [=====] - 0s 10ms/step - loss: 0.3420 - accuracy: 0.  
8132 - val_loss: 0.5251 - val_accuracy: 0.7400 - lr: 0.0063  
Epoch 370/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.2876 - accuracy: 0.8438  
Epoch 370: val_loss did not improve from 0.47041  
11/11 [=====] - 0s 8ms/step - loss: 0.3405 - accuracy: 0.  
8103 - val_loss: 0.5169 - val_accuracy: 0.7400 - lr: 0.0044  
Epoch 371/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.2736 - accuracy: 0.8750  
Epoch 371: val_loss did not improve from 0.47041  
11/11 [=====] - 0s 9ms/step - loss: 0.3403 - accuracy: 0.  
8161 - val_loss: 0.5290 - val_accuracy: 0.7733 - lr: 0.0044  
Epoch 372/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3545 - accuracy: 0.8125  
Epoch 372: val_loss did not improve from 0.47041  
11/11 [=====] - 0s 8ms/step - loss: 0.3388 - accuracy: 0.  
8247 - val_loss: 0.5053 - val_accuracy: 0.7467 - lr: 0.0044  
Epoch 373/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3013 - accuracy: 0.7812  
Epoch 373: val_loss did not improve from 0.47041  
11/11 [=====] - 0s 8ms/step - loss: 0.3441 - accuracy: 0.  
8218 - val_loss: 0.5245 - val_accuracy: 0.7733 - lr: 0.0044  
Epoch 374/1000  
11/11 [=====] - ETA: 0s - loss: 0.3414 - accuracy: 0.8132  
Epoch 374: val_loss did not improve from 0.47041  
11/11 [=====] - 0s 10ms/step - loss: 0.3414 - accuracy: 0.  
8132 - val_loss: 0.5072 - val_accuracy: 0.7667 - lr: 0.0044  
Epoch 375/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3666 - accuracy: 0.7500  
Epoch 375: val_loss did not improve from 0.47041  
11/11 [=====] - 0s 9ms/step - loss: 0.3390 - accuracy: 0.  
8276 - val_loss: 0.5465 - val_accuracy: 0.7667 - lr: 0.0044  
Epoch 376/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3420 - accuracy: 0.8125  
Epoch 376: val_loss did not improve from 0.47041  
11/11 [=====] - 0s 9ms/step - loss: 0.3396 - accuracy: 0.  
8218 - val_loss: 0.5177 - val_accuracy: 0.7467 - lr: 0.0044  
Epoch 377/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.2960 - accuracy: 0.9062  
Epoch 377: val_loss did not improve from 0.47041  
11/11 [=====] - 0s 9ms/step - loss: 0.3384 - accuracy: 0.  
8218 - val_loss: 0.5043 - val_accuracy: 0.7800 - lr: 0.0044  
Epoch 378/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3185 - accuracy: 0.8125  
Epoch 378: val_loss did not improve from 0.47041  
11/11 [=====] - 0s 8ms/step - loss: 0.3400 - accuracy: 0.  
8247 - val_loss: 0.5211 - val_accuracy: 0.7600 - lr: 0.0044  
Epoch 379/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3232 - accuracy: 0.8125  
Epoch 379: val_loss did not improve from 0.47041  
11/11 [=====] - 0s 8ms/step - loss: 0.3391 - accuracy: 0.  
8103 - val_loss: 0.5101 - val_accuracy: 0.7667 - lr: 0.0044  
Epoch 380/1000  
11/11 [=====] - ETA: 0s - loss: 0.3368 - accuracy: 0.8190  
Epoch 380: val_loss did not improve from 0.47041  
11/11 [=====] - 0s 11ms/step - loss: 0.3368 - accuracy: 0.  
8190 - val_loss: 0.5300 - val_accuracy: 0.7800 - lr: 0.0044
```

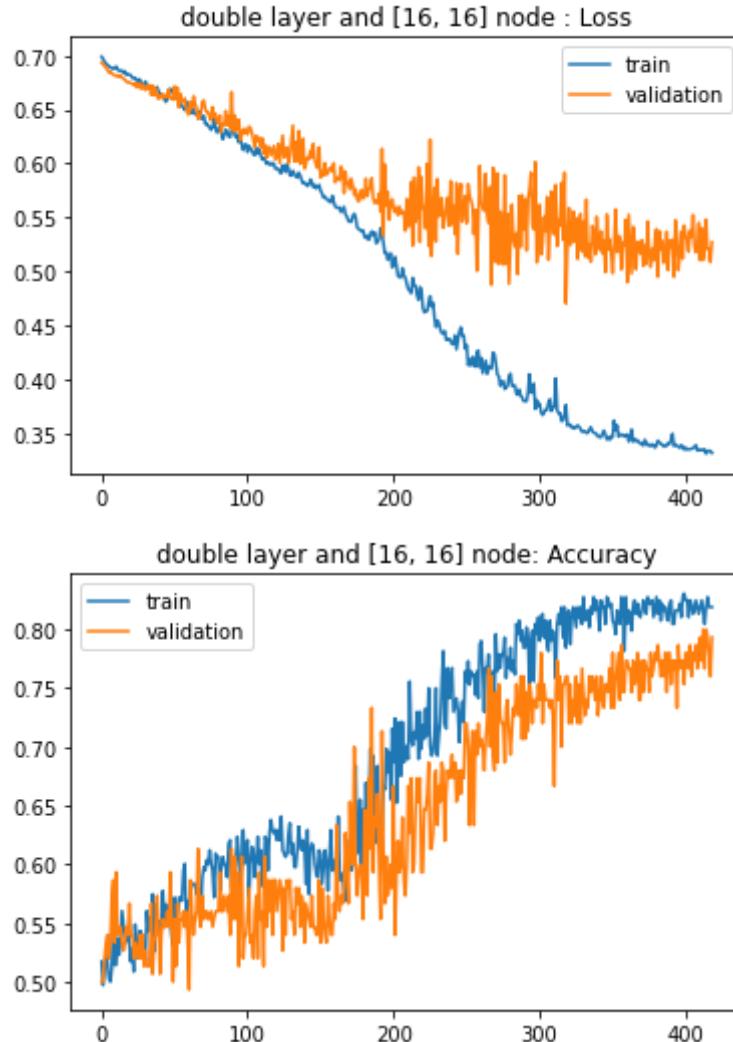
```
Epoch 381/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3834 - accuracy: 0.7500
Epoch 381: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3393 - accuracy: 0.
8276 - val_loss: 0.5393 - val_accuracy: 0.7733 - lr: 0.0044
Epoch 382/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4218 - accuracy: 0.7812
Epoch 382: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3434 - accuracy: 0.
8132 - val_loss: 0.4951 - val_accuracy: 0.7867 - lr: 0.0044
Epoch 383/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3864 - accuracy: 0.7188
Epoch 383: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3417 - accuracy: 0.
8247 - val_loss: 0.5376 - val_accuracy: 0.7733 - lr: 0.0044
Epoch 384/1000
1/11 [=>.....] - ETA: 0s - loss: 0.2780 - accuracy: 0.8750
Epoch 384: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3401 - accuracy: 0.
8075 - val_loss: 0.5201 - val_accuracy: 0.7600 - lr: 0.0044
Epoch 385/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3655 - accuracy: 0.8750
Epoch 385: val_loss did not improve from 0.47041
11/11 [=====] - 0s 9ms/step - loss: 0.3397 - accuracy: 0.
8218 - val_loss: 0.5286 - val_accuracy: 0.7733 - lr: 0.0044
Epoch 386/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3703 - accuracy: 0.7812
Epoch 386: val_loss did not improve from 0.47041
11/11 [=====] - 0s 9ms/step - loss: 0.3379 - accuracy: 0.
8161 - val_loss: 0.5080 - val_accuracy: 0.7600 - lr: 0.0044
Epoch 387/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3224 - accuracy: 0.8125
Epoch 387: val_loss did not improve from 0.47041
11/11 [=====] - 0s 9ms/step - loss: 0.3385 - accuracy: 0.
8190 - val_loss: 0.5155 - val_accuracy: 0.7800 - lr: 0.0044
Epoch 388/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3968 - accuracy: 0.8438
Epoch 388: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3385 - accuracy: 0.
8103 - val_loss: 0.5369 - val_accuracy: 0.7467 - lr: 0.0044
Epoch 389/1000
1/11 [=>.....] - ETA: 0s - loss: 0.2919 - accuracy: 0.8438
Epoch 389: val_loss did not improve from 0.47041
11/11 [=====] - 0s 9ms/step - loss: 0.3412 - accuracy: 0.
8075 - val_loss: 0.5014 - val_accuracy: 0.7800 - lr: 0.0044
Epoch 390/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3155 - accuracy: 0.8125
Epoch 390: val_loss did not improve from 0.47041
11/11 [=====] - 0s 9ms/step - loss: 0.3405 - accuracy: 0.
8218 - val_loss: 0.5286 - val_accuracy: 0.7800 - lr: 0.0044
Epoch 391/1000
10/11 [=====>...] - ETA: 0s - loss: 0.3440 - accuracy: 0.8219
Epoch 391: val_loss did not improve from 0.47041
11/11 [=====] - 0s 10ms/step - loss: 0.3443 - accuracy: 0.
8247 - val_loss: 0.5228 - val_accuracy: 0.7533 - lr: 0.0044
Epoch 392/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3766 - accuracy: 0.8125
Epoch 392: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3498 - accuracy: 0.
8046 - val_loss: 0.5295 - val_accuracy: 0.7733 - lr: 0.0044
Epoch 393/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3525 - accuracy: 0.8125
Epoch 393: val_loss did not improve from 0.47041
11/11 [=====] - 0s 9ms/step - loss: 0.3383 - accuracy: 0.
```

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8046 - val_loss: 0.4949 - val_accuracy: 0.7667 - lr: 0.0044
Epoch 394/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3761 - accuracy: 0.7812
Epoch 394: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3397 - accuracy: 0.
8161 - val_loss: 0.5475 - val_accuracy: 0.7733 - lr: 0.0044
Epoch 395/1000
1/11 [=>.....] - ETA: 0s - loss: 0.2283 - accuracy: 0.8750
Epoch 395: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3387 - accuracy: 0.
8161 - val_loss: 0.5344 - val_accuracy: 0.7333 - lr: 0.0044
Epoch 396/1000
1/11 [=>.....] - ETA: 0s - loss: 0.2382 - accuracy: 0.8750
Epoch 396: val_loss did not improve from 0.47041
11/11 [=====] - 0s 9ms/step - loss: 0.3378 - accuracy: 0.
8161 - val_loss: 0.5012 - val_accuracy: 0.7867 - lr: 0.0044
Epoch 397/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3145 - accuracy: 0.8438
Epoch 397: val_loss did not improve from 0.47041
11/11 [=====] - 0s 9ms/step - loss: 0.3366 - accuracy: 0.
8218 - val_loss: 0.5150 - val_accuracy: 0.7667 - lr: 0.0044
Epoch 398/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3748 - accuracy: 0.8125
Epoch 398: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3392 - accuracy: 0.
8103 - val_loss: 0.5370 - val_accuracy: 0.7733 - lr: 0.0044
Epoch 399/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3545 - accuracy: 0.7812
Epoch 399: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3378 - accuracy: 0.
8276 - val_loss: 0.5120 - val_accuracy: 0.7733 - lr: 0.0044
Epoch 400/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3708 - accuracy: 0.8125
Epoch 400: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3350 - accuracy: 0.
8305 - val_loss: 0.5427 - val_accuracy: 0.7533 - lr: 0.0044
Epoch 401/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4086 - accuracy: 0.7812
Epoch 401: val_loss did not improve from 0.47041
11/11 [=====] - 0s 10ms/step - loss: 0.3368 - accuracy: 0.
8247 - val_loss: 0.5339 - val_accuracy: 0.7800 - lr: 0.0044
Epoch 402/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3195 - accuracy: 0.7812
Epoch 402: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3351 - accuracy: 0.
8247 - val_loss: 0.5296 - val_accuracy: 0.7800 - lr: 0.0044
Epoch 403/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3331 - accuracy: 0.9062
Epoch 403: val_loss did not improve from 0.47041
11/11 [=====] - 0s 9ms/step - loss: 0.3353 - accuracy: 0.
8103 - val_loss: 0.5184 - val_accuracy: 0.7667 - lr: 0.0044
Epoch 404/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3322 - accuracy: 0.7812
Epoch 404: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3355 - accuracy: 0.
8247 - val_loss: 0.5380 - val_accuracy: 0.7867 - lr: 0.0044
Epoch 405/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3745 - accuracy: 0.8438
Epoch 405: val_loss did not improve from 0.47041
11/11 [=====] - 0s 8ms/step - loss: 0.3357 - accuracy: 0.
8218 - val_loss: 0.5322 - val_accuracy: 0.7600 - lr: 0.0044
Epoch 406/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3078 - accuracy: 0.8750
Epoch 406: val_loss did not improve from 0.47041
```

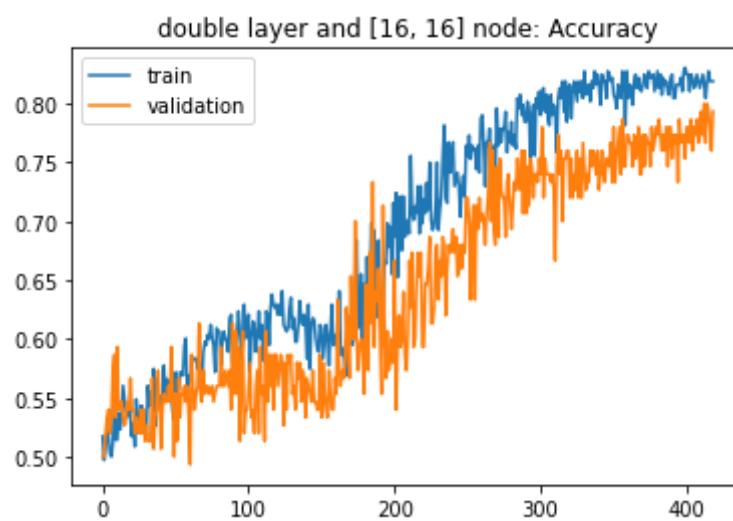
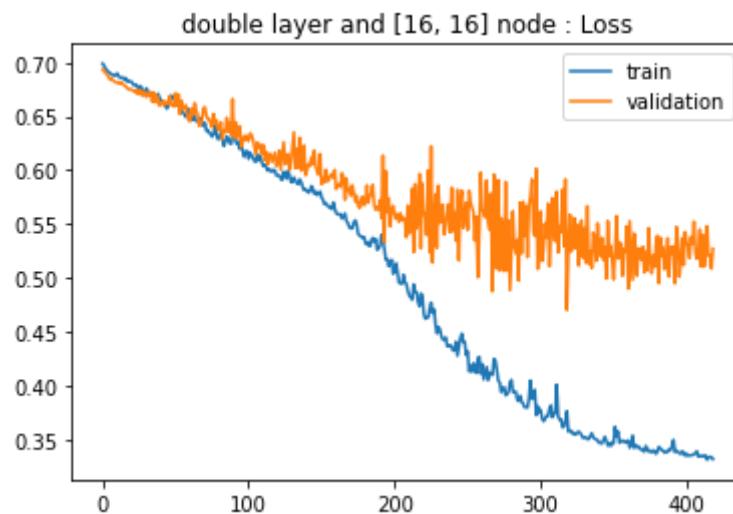
```
11/11 [=====] - 0s 8ms/step - loss: 0.3366 - accuracy: 0.  
8132 - val_loss: 0.5524 - val_accuracy: 0.7800 - lr: 0.0044  
Epoch 407/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.2875 - accuracy: 0.8438  
Epoch 407: val_loss did not improve from 0.47041  
11/11 [=====] - 0s 8ms/step - loss: 0.3372 - accuracy: 0.  
8161 - val_loss: 0.5235 - val_accuracy: 0.7733 - lr: 0.0044  
Epoch 408/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4074 - accuracy: 0.8125  
Epoch 408: val_loss did not improve from 0.47041  
11/11 [=====] - 0s 8ms/step - loss: 0.3392 - accuracy: 0.  
8247 - val_loss: 0.5178 - val_accuracy: 0.7867 - lr: 0.0044  
Epoch 409/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3370 - accuracy: 0.9062  
Epoch 409: val_loss did not improve from 0.47041  
11/11 [=====] - 0s 8ms/step - loss: 0.3342 - accuracy: 0.  
8190 - val_loss: 0.5268 - val_accuracy: 0.7667 - lr: 0.0044  
Epoch 410/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3392 - accuracy: 0.7188  
Epoch 410: val_loss did not improve from 0.47041  
11/11 [=====] - 0s 9ms/step - loss: 0.3346 - accuracy: 0.  
8132 - val_loss: 0.5451 - val_accuracy: 0.7867 - lr: 0.0044  
Epoch 411/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3704 - accuracy: 0.8125  
Epoch 411: val_loss did not improve from 0.47041  
11/11 [=====] - 0s 9ms/step - loss: 0.3345 - accuracy: 0.  
8190 - val_loss: 0.5105 - val_accuracy: 0.7933 - lr: 0.0044  
Epoch 412/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.2952 - accuracy: 0.8438  
Epoch 412: val_loss did not improve from 0.47041  
11/11 [=====] - 0s 8ms/step - loss: 0.3351 - accuracy: 0.  
8247 - val_loss: 0.5401 - val_accuracy: 0.7733 - lr: 0.0044  
Epoch 413/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3623 - accuracy: 0.8125  
Epoch 413: val_loss did not improve from 0.47041  
11/11 [=====] - 0s 8ms/step - loss: 0.3343 - accuracy: 0.  
8161 - val_loss: 0.5107 - val_accuracy: 0.8000 - lr: 0.0044  
Epoch 414/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3182 - accuracy: 0.8125  
Epoch 414: val_loss did not improve from 0.47041  
11/11 [=====] - 0s 9ms/step - loss: 0.3353 - accuracy: 0.  
8046 - val_loss: 0.5238 - val_accuracy: 0.7667 - lr: 0.0044  
Epoch 415/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3196 - accuracy: 0.7812  
Epoch 415: val_loss did not improve from 0.47041  
11/11 [=====] - 0s 8ms/step - loss: 0.3314 - accuracy: 0.  
8190 - val_loss: 0.5482 - val_accuracy: 0.8000 - lr: 0.0044  
Epoch 416/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3374 - accuracy: 0.7812  
Epoch 416: val_loss did not improve from 0.47041  
11/11 [=====] - 0s 8ms/step - loss: 0.3335 - accuracy: 0.  
8276 - val_loss: 0.5208 - val_accuracy: 0.7933 - lr: 0.0044  
Epoch 417/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3273 - accuracy: 0.8438  
Epoch 417: val_loss did not improve from 0.47041  
11/11 [=====] - 0s 9ms/step - loss: 0.3340 - accuracy: 0.  
8190 - val_loss: 0.5210 - val_accuracy: 0.7800 - lr: 0.0044  
Epoch 418/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3050 - accuracy: 0.7812  
Epoch 418: val_loss did not improve from 0.47041  
11/11 [=====] - 0s 8ms/step - loss: 0.3337 - accuracy: 0.  
8190 - val_loss: 0.5088 - val_accuracy: 0.7600 - lr: 0.0044  
Epoch 419/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3382 - accuracy: 0.8438
```

```
Epoch 419: val_loss did not improve from 0.47041
```

```
Epoch 419: ReduceLROnPlateau reducing learning rate to 0.0030869997106492517.  
11/11 [=====] - 0s 9ms/step - loss: 0.3319 - accuracy: 0.  
8190 - val_loss: 0.5272 - val_accuracy: 0.7933 - lr: 0.0044  
Epoch 419: early stopping  
Final training loss for double layer and [16, 16] nodes: 0.33192938566207886  
Final training accuracy for double layer and [16, 16] nodes 0.818965494632721  
Final validation loss for double layer and [16, 16] nodes 0.527204692363739  
Final validation accuracy for double layer and [16, 16] nodes 0.7933333516120911
```



```
In [37]: plt.title(f'double layer and {node} node : Loss')  
plt.plot(model.history['loss'], label='train')  
plt.plot(model.history['val_loss'], label='validation')  
plt.legend()  
plt.show()  
plt.title(f'double layer and {node} node: Accuracy')  
plt.plot(model.history['accuracy'], label='train')  
plt.plot(model.history['val_accuracy'], label='validation')  
plt.legend()  
plt.show()
```



Summary of result for various configuration of Model

In [38]: Evaluation_summary

Out[38]:

	NumOfHiddenLayer	NumOfNode	Train Loss	Train Accuracy	Validation Loss	Validation Accuracy
0	2	[4, 4]	0.681313	0.520115	0.681498	0.513333
1	2	[4, 8]	0.601536	0.612069	0.614840	0.613333
2	2	[4, 12]	0.561766	0.626437	0.617553	0.546667
3	2	[4, 16]	0.564583	0.617816	0.602674	0.613333
4	2	[8, 4]	0.555622	0.632184	0.592827	0.573333
5	2	[8, 8]	0.587138	0.655172	0.593956	0.633333
6	2	[8, 12]	0.506985	0.698276	0.605780	0.653333
7	2	[8, 16]	0.586998	0.612069	0.672322	0.546667
8	2	[12, 4]	0.582238	0.609195	0.587244	0.580000
9	2	[12, 8]	0.513076	0.672414	0.525696	0.626667
10	2	[12, 12]	0.515209	0.698276	0.557281	0.653333
11	2	[12, 16]	0.484773	0.732759	0.459309	0.740000
12	2	[16, 4]	0.571260	0.652299	0.607880	0.600000
13	2	[16, 8]	0.561312	0.620690	0.551639	0.633333
14	2	[16, 12]	0.513899	0.721264	0.573594	0.633333
15	2	[16, 16]	0.331929	0.818965	0.527205	0.793333

Observation:

- In double layer, layer with atleast 16 node in one of the layer is giving higher accuracy in most cases.
- In addition model with (8,12) and (12,12) is also giving comparable performance with respect to 16 node layers.
- Combination with 4 node in a layer giving lower accuracy.

In [39]:

```
testLoss, testAccuracy = NN_model.evaluate( X_test, y_test)
print('loss and accuracy for validation set are {testLoss} and {testAccuracy}')
```

```
5/5 [=====] - 0s 3ms/step - loss: 0.5272 - accuracy: 0.79
```

```
33
```

```
loss and accuracy for validation set are {testLoss} and {testAccuracy}
```

In [40]:

```
from sklearn.metrics import classification_report,confusion_matrix
```

```
y_pred = NN_model.predict(X_test)
y_pred = np.array(y_pred)
y_pred = (y_pred > 0.5).astype(np.int)
cm=confusion_matrix(y_test, y_pred)
print(f'Confusion matrix:')
print(cm)
print(f'Classification Report:')
clReport=classification_report(y_test, y_pred)
print(clReport)
```

Confusion matrix:

```
[[71  4]
 [27 48]]
```

Classification Report:

	precision	recall	f1-score	support
0	0.72	0.95	0.82	75
1	0.92	0.64	0.76	75
accuracy			0.79	150
macro avg	0.82	0.79	0.79	150
weighted avg	0.82	0.79	0.79	150

Conclusion:

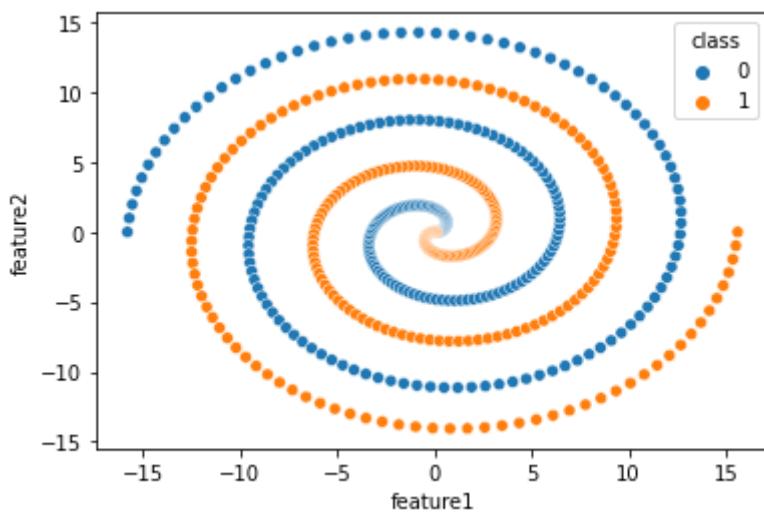
Model with (16,16) configuration giving an accuracy of 0.79 with good f1-score.

For (16,16), result are : final loss: 0.5272 and final accuracy: 0.793 and for (4,4), result are final loss: 0.68 and final accuracy: 0.51

Feature transformation

In [41]: `sns.scatterplot(x='feature1', y='feature2', hue='class', data=data)`

Out[41]: `<matplotlib.axes._subplots.AxesSubplot at 0x7f44981c7210>`



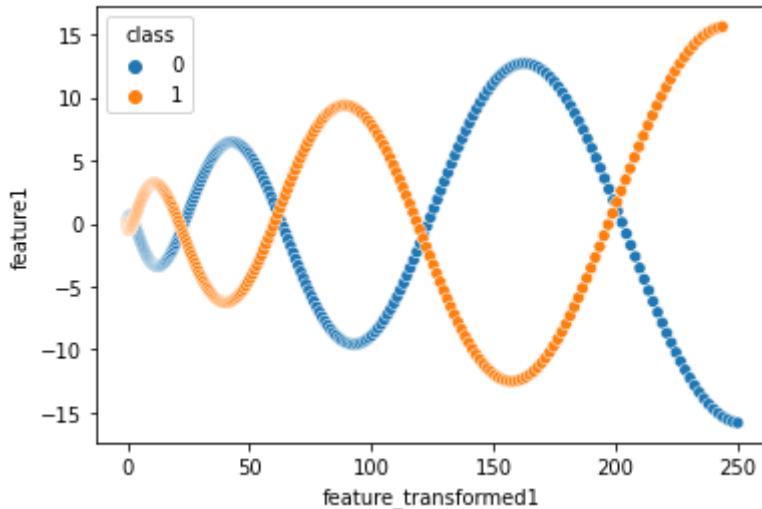
As data is spiral in shape, we need to transform to a manageable function so that minimum architecture is required to apply NN model.

In this we used spherical coordinate system to convert this region from (x,y) to (r, theta) where r is sum of square of input features and theta is tan inverse of given features. Further simplifying (transformation using exp and sin inverse function) into linear region was resulting in loss of information (data points).

In [42]: `data['feature_transformed1']=(data['feature1'])**2 + (data['feature2'])**2
data['feature_transformed2']=np.arctan(data['feature1']+0.01)/(data['feature2']+0.01)`

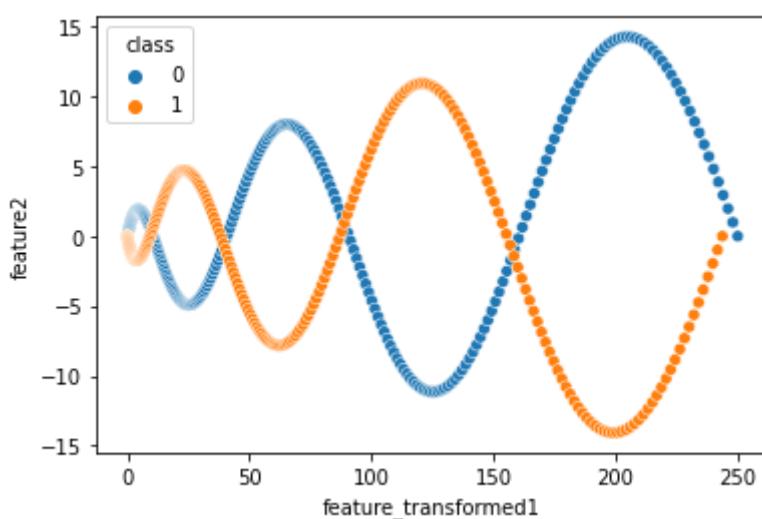
In [43]: `sns.scatterplot(x='feature_transformed1', y='feature1', hue='class', data=data)`

Out[43]: `<matplotlib.axes._subplots.AxesSubplot at 0x7f448ceb2c90>`



```
In [44]: sns.scatterplot(x='feature_transformed1', y='feature2', hue='class', data=data)
```

```
Out[44]: <matplotlib.axes._subplots.AxesSubplot at 0x7f44980c5dd0>
```



```
In [45]: data[data['feature_transformed1'].isnull()].head()
```

```
Out[45]: feature1  feature2  class  feature_transformed1  feature_transformed2
```

```
In [46]: data[data['feature_transformed2'].isnull()].head()
```

```
Out[46]: feature1  feature2  class  feature_transformed1  feature_transformed2
```

```
In [47]: data.describe()
```

Out[47]:

	feature1	feature2	class	feature_transformed1	feature_transformed2
count	498.000000	4.980000e+02	498.000000	498.000000	498.000000
mean	-0.000528	1.270753e-02	0.502008	82.752795	0.202236
std	6.477553	6.400034e+00	0.500499	73.936667	9.939104
min	-15.807963	-1.407123e+01	0.000000	0.000685	-150.758137
25%	-3.930364	-4.177892e+00	0.000000	15.691776	-0.263067
50%	0.023080	5.804950e-13	1.000000	62.182169	-0.006755
75%	4.001632	4.114817e+00	1.000000	139.472544	0.300979
max	15.607963	1.427091e+01	1.000000	249.891703	150.685478

Data Preprocessing

Splitting the data into two parts 70% for training and 30% for validation

In [48]:

```
Predictor=data.loc[:,['feature1', 'feature2', 'feature_transformed1', 'feature_transformed2']]
Target=data.loc[:,['class']].values

X_train, X_test, y_train, y_test = train_test_split(Predictor, Target, test_size=0.3)
```

Model Building

In this we have used model with (4,8) nodes with 2 hidden layers and its performance is comparable to model with 16 nodes in one of the layer and without feature transformation.

In [52]:

```
Evaluation_summary=pd.DataFrame()
node=[4, 8]
print(f'>>>>>>>>>>>>>>>> Model training with double hidden layer and {node} nodes')
print('\n\n')
NN_model, callbacks_list=create_double_hidden_layer_ann_model(input_dim=4, nodes_in_each_layer=node)
rlrp = ReduceLROnPlateau(monitor='val_loss', factor=0.7, patience=50, min_delta=1E-05)
callbacks_list=callbacks_list+[rlrp]
es = EarlyStopping(monitor='val_loss', mode='min', verbose=1, patience=100)
callbacks_list=callbacks_list+[es]
model = NN_model.fit(X_train, y_train, epochs=1000, validation_data=(X_test, y_test))

print(f"Final training accuracy for single layer and {node} nodes {model.history['accuracy'][-1]}")
print(f"Final validation loss for single layer and {node} nodes {model.history['val_loss'][-1]}")
print(f"Final validation accuracy for single layer and {node} nodes {model.history['val_accuracy'][-1]}")
Evaluation_summary=Evaluation_summary.append(pd.DataFrame({'NumOfHiddenLayer':[1], 'Train Loss':[model.history['loss'][-1]], 'Train Accuracy': [model.history['accuracy'][-1]], 'Validation Loss':[model.history['val_loss'][-1]], 'Validation Accuracy': [model.history['val_accuracy'][-1]]}))
```

```
>>>>>>>>>>>>>> Model training with double hidden layer and [4, 8] node>>>>
>>>>>>
```

Model: "sequential_52"

Layer (type)	Output Shape	Param #
<hr/>		
dense_141 (Dense)	(None, 4)	20
dense_142 (Dense)	(None, 8)	40
dense_143 (Dense)	(None, 1)	9
<hr/>		
Total params: 69		
Trainable params: 69		
Non-trainable params: 0		

None

Epoch 1/1000

```
1/11 [=>.....] - ETA: 5s - loss: 8.1486 - accuracy: 0.5000
Epoch 1: val_loss improved from inf to 1.52395, saving model to tmp/Weights-001--1.52395.hdf5
```

```
11/11 [=====] - 1s 23ms/step - loss: 3.7312 - accuracy: 0.5000 - val_loss: 1.5239 - val_accuracy: 0.4933 - lr: 0.0090
```

Epoch 2/1000

```
1/11 [=>.....] - ETA: 0s - loss: 1.1049 - accuracy: 0.7500
Epoch 2: val_loss improved from 1.52395 to 1.17554, saving model to tmp/Weights-002--1.17554.hdf5
```

```
11/11 [=====] - 0s 8ms/step - loss: 1.5180 - accuracy: 0.4713 - val_loss: 1.1755 - val_accuracy: 0.5600 - lr: 0.0090
```

Epoch 3/1000

```
1/11 [=>.....] - ETA: 0s - loss: 1.2154 - accuracy: 0.3438
Epoch 3: val_loss improved from 1.17554 to 0.88457, saving model to tmp/Weights-003--0.88457.hdf5
```

```
11/11 [=====] - 0s 8ms/step - loss: 0.9367 - accuracy: 0.4799 - val_loss: 0.8846 - val_accuracy: 0.5667 - lr: 0.0090
```

Epoch 4/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.8510 - accuracy: 0.5938
Epoch 4: val_loss did not improve from 0.88457
```

```
11/11 [=====] - 0s 6ms/step - loss: 0.8440 - accuracy: 0.4943 - val_loss: 0.8980 - val_accuracy: 0.5333 - lr: 0.0090
```

Epoch 5/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.8359 - accuracy: 0.4375
Epoch 5: val_loss did not improve from 0.88457
```

```
11/11 [=====] - 0s 6ms/step - loss: 0.8334 - accuracy: 0.5086 - val_loss: 0.9097 - val_accuracy: 0.5467 - lr: 0.0090
```

Epoch 6/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.8208 - accuracy: 0.6562
Epoch 6: val_loss did not improve from 0.88457
```

```
11/11 [=====] - 0s 6ms/step - loss: 0.8303 - accuracy: 0.4971 - val_loss: 0.9136 - val_accuracy: 0.5600 - lr: 0.0090
```

Epoch 7/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.8077 - accuracy: 0.7812
Epoch 7: val_loss did not improve from 0.88457
```

```
11/11 [=====] - 0s 6ms/step - loss: 0.8231 - accuracy: 0.5057 - val_loss: 0.9127 - val_accuracy: 0.5267 - lr: 0.0090
```

Epoch 8/1000

```
1/11 [=>.....] - ETA: 0s - loss: 0.8637 - accuracy: 0.4375
Epoch 8: val_loss did not improve from 0.88457
```

```
11/11 [=====] - 0s 6ms/step - loss: 0.8145 - accuracy: 0.5144 - val_loss: 0.9122 - val_accuracy: 0.5267 - lr: 0.0090
```

```
Epoch 9/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7989 - accuracy: 0.5312
Epoch 9: val_loss did not improve from 0.88457
11/11 [=====] - 0s 6ms/step - loss: 0.8045 - accuracy: 0.
5144 - val_loss: 0.9150 - val_accuracy: 0.5333 - lr: 0.0090
Epoch 10/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7988 - accuracy: 0.5938
Epoch 10: val_loss did not improve from 0.88457
11/11 [=====] - 0s 6ms/step - loss: 0.7953 - accuracy: 0.
5172 - val_loss: 0.9013 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 11/1000
1/11 [=>.....] - ETA: 0s - loss: 0.8073 - accuracy: 0.4688
Epoch 11: val_loss did not improve from 0.88457
11/11 [=====] - 0s 6ms/step - loss: 0.7849 - accuracy: 0.
5259 - val_loss: 0.8926 - val_accuracy: 0.5400 - lr: 0.0090
Epoch 12/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7423 - accuracy: 0.6250
Epoch 12: val_loss did not improve from 0.88457
11/11 [=====] - 0s 7ms/step - loss: 0.7707 - accuracy: 0.
5460 - val_loss: 0.8948 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 13/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7898 - accuracy: 0.6250
Epoch 13: val_loss improved from 0.88457 to 0.87409, saving model to tmp/Weights-0
13--0.87409.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.7596 - accuracy: 0.
5345 - val_loss: 0.8741 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 14/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7651 - accuracy: 0.3125
Epoch 14: val_loss did not improve from 0.87409
11/11 [=====] - 0s 6ms/step - loss: 0.7494 - accuracy: 0.
5374 - val_loss: 0.8953 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 15/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7440 - accuracy: 0.6250
Epoch 15: val_loss improved from 0.87409 to 0.85767, saving model to tmp/Weights-0
15--0.85767.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.7381 - accuracy: 0.
5489 - val_loss: 0.8577 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 16/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7086 - accuracy: 0.7500
Epoch 16: val_loss improved from 0.85767 to 0.85310, saving model to tmp/Weights-0
16--0.85310.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.7279 - accuracy: 0.
5489 - val_loss: 0.8531 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 17/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5604 - accuracy: 0.7188
Epoch 17: val_loss improved from 0.85310 to 0.84819, saving model to tmp/Weights-0
17--0.84819.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.7167 - accuracy: 0.
5431 - val_loss: 0.8482 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 18/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6871 - accuracy: 0.6250
Epoch 18: val_loss improved from 0.84819 to 0.84198, saving model to tmp/Weights-0
18--0.84198.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.7086 - accuracy: 0.
5632 - val_loss: 0.8420 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 19/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7415 - accuracy: 0.6562
Epoch 19: val_loss did not improve from 0.84198
11/11 [=====] - 0s 6ms/step - loss: 0.7052 - accuracy: 0.
5632 - val_loss: 0.8437 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 20/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7039 - accuracy: 0.6562
Epoch 20: val_loss improved from 0.84198 to 0.84106, saving model to tmp/Weights-0
20--0.84106.hdf5
```

```
11/11 [=====] - 0s 8ms/step - loss: 0.7000 - accuracy: 0.  
5718 - val_loss: 0.8411 - val_accuracy: 0.6000 - lr: 0.0090  
Epoch 21/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6342 - accuracy: 0.5625  
Epoch 21: val_loss improved from 0.84106 to 0.83983, saving model to tmp/Weights-0  
21--0.83983.hdf5  
11/11 [=====] - 0s 8ms/step - loss: 0.6948 - accuracy: 0.  
5805 - val_loss: 0.8398 - val_accuracy: 0.5933 - lr: 0.0090  
Epoch 22/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7076 - accuracy: 0.6250  
Epoch 22: val_loss did not improve from 0.83983  
11/11 [=====] - 0s 6ms/step - loss: 0.6899 - accuracy: 0.  
5833 - val_loss: 0.8422 - val_accuracy: 0.5933 - lr: 0.0090  
Epoch 23/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6782 - accuracy: 0.7500  
Epoch 23: val_loss improved from 0.83983 to 0.83660, saving model to tmp/Weights-0  
23--0.83660.hdf5  
11/11 [=====] - 0s 8ms/step - loss: 0.6866 - accuracy: 0.  
5920 - val_loss: 0.8366 - val_accuracy: 0.5933 - lr: 0.0090  
Epoch 24/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7526 - accuracy: 0.4375  
Epoch 24: val_loss did not improve from 0.83660  
11/11 [=====] - 0s 6ms/step - loss: 0.6827 - accuracy: 0.  
5920 - val_loss: 0.8396 - val_accuracy: 0.5933 - lr: 0.0090  
Epoch 25/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7747 - accuracy: 0.4688  
Epoch 25: val_loss did not improve from 0.83660  
11/11 [=====] - 0s 7ms/step - loss: 0.6808 - accuracy: 0.  
5977 - val_loss: 0.8431 - val_accuracy: 0.5933 - lr: 0.0090  
Epoch 26/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6335 - accuracy: 0.5000  
Epoch 26: val_loss did not improve from 0.83660  
11/11 [=====] - 0s 6ms/step - loss: 0.6787 - accuracy: 0.  
6006 - val_loss: 0.8436 - val_accuracy: 0.5933 - lr: 0.0090  
Epoch 27/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.7014 - accuracy: 0.6562  
Epoch 27: val_loss did not improve from 0.83660  
11/11 [=====] - 0s 6ms/step - loss: 0.6778 - accuracy: 0.  
6034 - val_loss: 0.8450 - val_accuracy: 0.5933 - lr: 0.0090  
Epoch 28/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6295 - accuracy: 0.6562  
Epoch 28: val_loss did not improve from 0.83660  
11/11 [=====] - 0s 6ms/step - loss: 0.6778 - accuracy: 0.  
5948 - val_loss: 0.8481 - val_accuracy: 0.5933 - lr: 0.0090  
Epoch 29/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6651 - accuracy: 0.6875  
Epoch 29: val_loss did not improve from 0.83660  
11/11 [=====] - 0s 6ms/step - loss: 0.6739 - accuracy: 0.  
5920 - val_loss: 0.8494 - val_accuracy: 0.5867 - lr: 0.0090  
Epoch 30/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6506 - accuracy: 0.6562  
Epoch 30: val_loss did not improve from 0.83660  
11/11 [=====] - 0s 6ms/step - loss: 0.6673 - accuracy: 0.  
5977 - val_loss: 0.8457 - val_accuracy: 0.5800 - lr: 0.0090  
Epoch 31/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6679 - accuracy: 0.6875  
Epoch 31: val_loss did not improve from 0.83660  
11/11 [=====] - 0s 6ms/step - loss: 0.6643 - accuracy: 0.  
6063 - val_loss: 0.8464 - val_accuracy: 0.5733 - lr: 0.0090  
Epoch 32/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.6343 - accuracy: 0.5625  
Epoch 32: val_loss did not improve from 0.83660  
11/11 [=====] - 0s 7ms/step - loss: 0.6622 - accuracy: 0.  
6121 - val_loss: 0.8543 - val_accuracy: 0.5733 - lr: 0.0090
```

```
Epoch 33/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6964 - accuracy: 0.4375
Epoch 33: val_loss did not improve from 0.83660
11/11 [=====] - 0s 7ms/step - loss: 0.6575 - accuracy: 0.
6178 - val_loss: 0.8427 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 34/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6242 - accuracy: 0.6875
Epoch 34: val_loss improved from 0.83660 to 0.83647, saving model to tmp/Weights-0
34--0.83647.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6526 - accuracy: 0.
6207 - val_loss: 0.8365 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 35/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7180 - accuracy: 0.5625
Epoch 35: val_loss did not improve from 0.83647
11/11 [=====] - 0s 6ms/step - loss: 0.6531 - accuracy: 0.
6236 - val_loss: 0.8367 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 36/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5216 - accuracy: 0.6250
Epoch 36: val_loss did not improve from 0.83647
11/11 [=====] - 0s 7ms/step - loss: 0.6465 - accuracy: 0.
6207 - val_loss: 0.8427 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 37/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6139 - accuracy: 0.5312
Epoch 37: val_loss did not improve from 0.83647
11/11 [=====] - 0s 6ms/step - loss: 0.6468 - accuracy: 0.
6121 - val_loss: 0.8485 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 38/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5346 - accuracy: 0.7188
Epoch 38: val_loss improved from 0.83647 to 0.82921, saving model to tmp/Weights-0
38--0.82921.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6498 - accuracy: 0.
6178 - val_loss: 0.8292 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 39/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5806 - accuracy: 0.6875
Epoch 39: val_loss improved from 0.82921 to 0.82491, saving model to tmp/Weights-0
39--0.82491.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6431 - accuracy: 0.
6149 - val_loss: 0.8249 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 40/1000
1/11 [=>.....] - ETA: 0s - loss: 0.8048 - accuracy: 0.3750
Epoch 40: val_loss did not improve from 0.82491
11/11 [=====] - 0s 6ms/step - loss: 0.6404 - accuracy: 0.
6207 - val_loss: 0.8262 - val_accuracy: 0.5667 - lr: 0.0090
Epoch 41/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5047 - accuracy: 0.7500
Epoch 41: val_loss improved from 0.82491 to 0.81850, saving model to tmp/Weights-0
41--0.81850.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6350 - accuracy: 0.
6178 - val_loss: 0.8185 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 42/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6938 - accuracy: 0.6875
Epoch 42: val_loss improved from 0.81850 to 0.81799, saving model to tmp/Weights-0
42--0.81799.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6351 - accuracy: 0.
6379 - val_loss: 0.8180 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 43/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6638 - accuracy: 0.7500
Epoch 43: val_loss improved from 0.81799 to 0.81194, saving model to tmp/Weights-0
43--0.81194.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6317 - accuracy: 0.
6322 - val_loss: 0.8119 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 44/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5931 - accuracy: 0.7188
Epoch 44: val_loss improved from 0.81194 to 0.80318, saving model to tmp/Weights-0
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44--0.80318.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6274 - accuracy: 0.
6322 - val_loss: 0.8032 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 45/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6979 - accuracy: 0.7188
Epoch 45: val_loss improved from 0.80318 to 0.80309, saving model to tmp/Weights-0
45--0.80309.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6232 - accuracy: 0.
6379 - val_loss: 0.8031 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 46/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5832 - accuracy: 0.6250
Epoch 46: val_loss improved from 0.80309 to 0.79734, saving model to tmp/Weights-0
46--0.79734.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.6236 - accuracy: 0.
6408 - val_loss: 0.7973 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 47/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6336 - accuracy: 0.7188
Epoch 47: val_loss improved from 0.79734 to 0.78755, saving model to tmp/Weights-0
47--0.78755.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6209 - accuracy: 0.
6351 - val_loss: 0.7875 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 48/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6355 - accuracy: 0.5312
Epoch 48: val_loss improved from 0.78755 to 0.77502, saving model to tmp/Weights-0
48--0.77502.hdf5
11/11 [=====] - 0s 7ms/step - loss: 0.6292 - accuracy: 0.
6322 - val_loss: 0.7750 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 49/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7213 - accuracy: 0.5000
Epoch 49: val_loss did not improve from 0.77502
11/11 [=====] - 0s 7ms/step - loss: 0.6165 - accuracy: 0.
6408 - val_loss: 0.7788 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 50/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6248 - accuracy: 0.6562
Epoch 50: val_loss did not improve from 0.77502
11/11 [=====] - 0s 7ms/step - loss: 0.6166 - accuracy: 0.
6437 - val_loss: 0.7835 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 51/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6186 - accuracy: 0.6562
Epoch 51: val_loss did not improve from 0.77502
11/11 [=====] - 0s 6ms/step - loss: 0.6110 - accuracy: 0.
6494 - val_loss: 0.7806 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 52/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6263 - accuracy: 0.6875
Epoch 52: val_loss improved from 0.77502 to 0.77478, saving model to tmp/Weights-0
52--0.77478.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6078 - accuracy: 0.
6437 - val_loss: 0.7748 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 53/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6913 - accuracy: 0.4375
Epoch 53: val_loss did not improve from 0.77478
11/11 [=====] - 0s 6ms/step - loss: 0.6164 - accuracy: 0.
6437 - val_loss: 0.7773 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 54/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5808 - accuracy: 0.6875
Epoch 54: val_loss improved from 0.77478 to 0.77375, saving model to tmp/Weights-0
54--0.77375.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6170 - accuracy: 0.
6351 - val_loss: 0.7737 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 55/1000
1/11 [=>.....] - ETA: 0s - loss: 0.7372 - accuracy: 0.5625
Epoch 55: val_loss did not improve from 0.77375
11/11 [=====] - 0s 6ms/step - loss: 0.6167 - accuracy: 0.
6207 - val_loss: 0.7816 - val_accuracy: 0.6000 - lr: 0.0090
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Epoch 56/1000
1/11 [=>........................] - ETA: 0s - loss: 0.7016 - accuracy: 0.5938
Epoch 56: val_loss improved from 0.77375 to 0.76317, saving model to tmp/Weights-0
56--0.76317.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6170 - accuracy: 0.
6293 - val_loss: 0.7632 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 57/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6264 - accuracy: 0.6250
Epoch 57: val_loss improved from 0.76317 to 0.76183, saving model to tmp/Weights-0
57--0.76183.hdf5
11/11 [=====] - 0s 7ms/step - loss: 0.6060 - accuracy: 0.
6437 - val_loss: 0.7618 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 58/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6649 - accuracy: 0.5312
Epoch 58: val_loss improved from 0.76183 to 0.75941, saving model to tmp/Weights-0
58--0.75941.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.6013 - accuracy: 0.
6466 - val_loss: 0.7594 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 59/1000
1/11 [=>........................] - ETA: 0s - loss: 0.7189 - accuracy: 0.5000
Epoch 59: val_loss improved from 0.75941 to 0.75118, saving model to tmp/Weights-0
59--0.75118.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.5988 - accuracy: 0.
6523 - val_loss: 0.7512 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 60/1000
1/11 [=>........................] - ETA: 0s - loss: 0.5539 - accuracy: 0.6875
Epoch 60: val_loss improved from 0.75118 to 0.74119, saving model to tmp/Weights-0
60--0.74119.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.5924 - accuracy: 0.
6609 - val_loss: 0.7412 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 61/1000
1/11 [=>........................] - ETA: 0s - loss: 0.5948 - accuracy: 0.6562
Epoch 61: val_loss did not improve from 0.74119
11/11 [=====] - 0s 8ms/step - loss: 0.5922 - accuracy: 0.
6609 - val_loss: 0.7417 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 62/1000
1/11 [=>........................] - ETA: 0s - loss: 0.5712 - accuracy: 0.7500
Epoch 62: val_loss did not improve from 0.74119
11/11 [=====] - 0s 7ms/step - loss: 0.5854 - accuracy: 0.
6782 - val_loss: 0.7418 - val_accuracy: 0.6333 - lr: 0.0090
Epoch 63/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6047 - accuracy: 0.5938
Epoch 63: val_loss improved from 0.74119 to 0.73537, saving model to tmp/Weights-0
63--0.73537.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.5842 - accuracy: 0.
6724 - val_loss: 0.7354 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 64/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6000 - accuracy: 0.6250
Epoch 64: val_loss improved from 0.73537 to 0.73016, saving model to tmp/Weights-0
64--0.73016.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.5831 - accuracy: 0.
6695 - val_loss: 0.7302 - val_accuracy: 0.6267 - lr: 0.0090
Epoch 65/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6129 - accuracy: 0.5938
Epoch 65: val_loss did not improve from 0.73016
11/11 [=====] - 0s 7ms/step - loss: 0.5816 - accuracy: 0.
6580 - val_loss: 0.7310 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 66/1000
1/11 [=>........................] - ETA: 0s - loss: 0.6351 - accuracy: 0.6562
Epoch 66: val_loss improved from 0.73016 to 0.72269, saving model to tmp/Weights-0
66--0.72269.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.5759 - accuracy: 0.
6695 - val_loss: 0.7227 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 67/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.5793 - accuracy: 0.6562
Epoch 67: val_loss improved from 0.72269 to 0.71825, saving model to tmp/Weights-0
67--0.71825.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.5718 - accuracy: 0.
6753 - val_loss: 0.7183 - val_accuracy: 0.6200 - lr: 0.0090
Epoch 68/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5779 - accuracy: 0.6875
Epoch 68: val_loss improved from 0.71825 to 0.71745, saving model to tmp/Weights-0
68--0.71745.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5684 - accuracy:
0.6552 - val_loss: 0.7175 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 69/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5155 - accuracy: 0.6875
Epoch 69: val_loss improved from 0.71745 to 0.70971, saving model to tmp/Weights-0
69--0.70971.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5589 - accuracy:
0.6523 - val_loss: 0.7097 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 70/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5444 - accuracy: 0.6562
Epoch 70: val_loss improved from 0.70971 to 0.70177, saving model to tmp/Weights-0
70--0.70177.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5563 - accuracy:
0.6437 - val_loss: 0.7018 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 71/1000
10/11 [=====>...] - ETA: 0s - loss: 0.5458 - accuracy: 0.6344
Epoch 71: val_loss improved from 0.70177 to 0.69424, saving model to tmp/Weights-0
71--0.69424.hdf5
11/11 [=====] - 0s 13ms/step - loss: 0.5478 - accuracy:
0.6437 - val_loss: 0.6942 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 72/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5279 - accuracy: 0.6875
Epoch 72: val_loss improved from 0.69424 to 0.69021, saving model to tmp/Weights-0
72--0.69021.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5410 - accuracy:
0.6494 - val_loss: 0.6902 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 73/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5478 - accuracy: 0.5938
Epoch 73: val_loss improved from 0.69021 to 0.67393, saving model to tmp/Weights-0
73--0.67393.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.5377 - accuracy:
0.6638 - val_loss: 0.6739 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 74/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5421 - accuracy: 0.5938
Epoch 74: val_loss did not improve from 0.67393
11/11 [=====] - 0s 9ms/step - loss: 0.5370 - accuracy: 0.
6868 - val_loss: 0.6827 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 75/1000
11/11 [=====] - ETA: 0s - loss: 0.5271 - accuracy: 0.6925
Epoch 75: val_loss did not improve from 0.67393
11/11 [=====] - 0s 9ms/step - loss: 0.5271 - accuracy: 0.
6925 - val_loss: 0.6819 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 76/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5941 - accuracy: 0.6250
Epoch 76: val_loss improved from 0.67393 to 0.67071, saving model to tmp/Weights-0
76--0.67071.hdf5
11/11 [=====] - 0s 12ms/step - loss: 0.5269 - accuracy:
0.6983 - val_loss: 0.6707 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 77/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4976 - accuracy: 0.7812
Epoch 77: val_loss did not improve from 0.67071
11/11 [=====] - 0s 8ms/step - loss: 0.5234 - accuracy: 0.
7011 - val_loss: 0.6891 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 78/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5371 - accuracy: 0.6250
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Epoch 78: val_loss did not improve from 0.67071
11/11 [=====] - 0s 9ms/step - loss: 0.5242 - accuracy: 0.
6954 - val_loss: 0.6833 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 79/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4535 - accuracy: 0.6875
Epoch 79: val_loss did not improve from 0.67071
11/11 [=====] - 0s 9ms/step - loss: 0.5210 - accuracy: 0.
6983 - val_loss: 0.6935 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 80/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5165 - accuracy: 0.6562
Epoch 80: val_loss did not improve from 0.67071
11/11 [=====] - 0s 9ms/step - loss: 0.5166 - accuracy: 0.
7011 - val_loss: 0.6916 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 81/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4374 - accuracy: 0.7812
Epoch 81: val_loss did not improve from 0.67071
11/11 [=====] - 0s 9ms/step - loss: 0.5181 - accuracy: 0.
7011 - val_loss: 0.6894 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 82/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5964 - accuracy: 0.6562
Epoch 82: val_loss did not improve from 0.67071
11/11 [=====] - 0s 8ms/step - loss: 0.5139 - accuracy: 0.
7040 - val_loss: 0.6813 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 83/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5305 - accuracy: 0.6562
Epoch 83: val_loss did not improve from 0.67071
11/11 [=====] - 0s 8ms/step - loss: 0.5155 - accuracy: 0.
7011 - val_loss: 0.6836 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 84/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5990 - accuracy: 0.6250
Epoch 84: val_loss did not improve from 0.67071
11/11 [=====] - 0s 10ms/step - loss: 0.5123 - accuracy: 0.
7040 - val_loss: 0.6845 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 85/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5629 - accuracy: 0.7500
Epoch 85: val_loss did not improve from 0.67071
11/11 [=====] - 0s 9ms/step - loss: 0.5161 - accuracy: 0.
6925 - val_loss: 0.6763 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 86/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5203 - accuracy: 0.6875
Epoch 86: val_loss improved from 0.67071 to 0.65257, saving model to tmp/Weights-0
86--0.65257.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.5255 - accuracy: 0.
6983 - val_loss: 0.6526 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 87/1000
1/11 [=>.....] - ETA: 0s - loss: 0.6079 - accuracy: 0.6250
Epoch 87: val_loss did not improve from 0.65257
11/11 [=====] - 0s 7ms/step - loss: 0.5420 - accuracy: 0.
6897 - val_loss: 0.6736 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 88/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4996 - accuracy: 0.6875
Epoch 88: val_loss did not improve from 0.65257
11/11 [=====] - 0s 8ms/step - loss: 0.5271 - accuracy: 0.
6954 - val_loss: 0.6754 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 89/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5211 - accuracy: 0.6250
Epoch 89: val_loss did not improve from 0.65257
11/11 [=====] - 0s 8ms/step - loss: 0.5135 - accuracy: 0.
7011 - val_loss: 0.7023 - val_accuracy: 0.5733 - lr: 0.0090
Epoch 90/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5066 - accuracy: 0.6875
Epoch 90: val_loss did not improve from 0.65257
11/11 [=====] - 0s 8ms/step - loss: 0.5165 - accuracy: 0.
6954 - val_loss: 0.7004 - val_accuracy: 0.5800 - lr: 0.0090
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Epoch 91/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5024 - accuracy: 0.7500
Epoch 91: val_loss did not improve from 0.65257
11/11 [=====] - 0s 7ms/step - loss: 0.5092 - accuracy: 0.
7011 - val_loss: 0.7204 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 92/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5413 - accuracy: 0.6875
Epoch 92: val_loss did not improve from 0.65257
11/11 [=====] - 0s 8ms/step - loss: 0.5281 - accuracy: 0.
6983 - val_loss: 0.6647 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 93/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4861 - accuracy: 0.5938
Epoch 93: val_loss did not improve from 0.65257
11/11 [=====] - 0s 7ms/step - loss: 0.5090 - accuracy: 0.
7011 - val_loss: 0.6625 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 94/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4276 - accuracy: 0.7812
Epoch 94: val_loss did not improve from 0.65257
11/11 [=====] - 0s 6ms/step - loss: 0.5045 - accuracy: 0.
7098 - val_loss: 0.6690 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 95/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5419 - accuracy: 0.6875
Epoch 95: val_loss did not improve from 0.65257
11/11 [=====] - 0s 7ms/step - loss: 0.5038 - accuracy: 0.
7069 - val_loss: 0.6578 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 96/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5269 - accuracy: 0.5938
Epoch 96: val_loss did not improve from 0.65257
11/11 [=====] - 0s 6ms/step - loss: 0.5027 - accuracy: 0.
7069 - val_loss: 0.6592 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 97/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4927 - accuracy: 0.7188
Epoch 97: val_loss did not improve from 0.65257
11/11 [=====] - 0s 6ms/step - loss: 0.5013 - accuracy: 0.
7040 - val_loss: 0.6559 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 98/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5724 - accuracy: 0.6250
Epoch 98: val_loss improved from 0.65257 to 0.65179, saving model to tmp/Weights-0
98--0.65179.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.5011 - accuracy: 0.
7069 - val_loss: 0.6518 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 99/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5485 - accuracy: 0.6562
Epoch 99: val_loss did not improve from 0.65179
11/11 [=====] - 0s 7ms/step - loss: 0.5004 - accuracy: 0.
7098 - val_loss: 0.6600 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 100/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4593 - accuracy: 0.8125
Epoch 100: val_loss did not improve from 0.65179
11/11 [=====] - 0s 6ms/step - loss: 0.4999 - accuracy: 0.
7040 - val_loss: 0.6560 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 101/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4636 - accuracy: 0.7500
Epoch 101: val_loss improved from 0.65179 to 0.65091, saving model to tmp/Weights-
101--0.65091.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.4992 - accuracy: 0.
7098 - val_loss: 0.6509 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 102/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4146 - accuracy: 0.7812
Epoch 102: val_loss did not improve from 0.65091
11/11 [=====] - 0s 7ms/step - loss: 0.4988 - accuracy: 0.
7069 - val_loss: 0.6552 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 103/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5269 - accuracy: 0.7188
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Epoch 103: val_loss did not improve from 0.65091
11/11 [=====] - 0s 7ms/step - loss: 0.4973 - accuracy: 0.
7098 - val_loss: 0.6556 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 104/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4861 - accuracy: 0.7188
Epoch 104: val_loss did not improve from 0.65091
11/11 [=====] - 0s 6ms/step - loss: 0.4988 - accuracy: 0.
7069 - val_loss: 0.6515 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 105/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4633 - accuracy: 0.6875
Epoch 105: val_loss did not improve from 0.65091
11/11 [=====] - 0s 6ms/step - loss: 0.5002 - accuracy: 0.
7069 - val_loss: 0.6526 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 106/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5762 - accuracy: 0.5312
Epoch 106: val_loss improved from 0.65091 to 0.64990, saving model to tmp/Weights-106--0.64990.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.4981 - accuracy: 0.
7098 - val_loss: 0.6499 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 107/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5764 - accuracy: 0.6875
Epoch 107: val_loss improved from 0.64990 to 0.64672, saving model to tmp/Weights-107--0.64672.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.4962 - accuracy: 0.
7098 - val_loss: 0.6467 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 108/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5482 - accuracy: 0.7500
Epoch 108: val_loss did not improve from 0.64672
11/11 [=====] - 0s 8ms/step - loss: 0.4946 - accuracy: 0.
7069 - val_loss: 0.6517 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 109/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4757 - accuracy: 0.7188
Epoch 109: val_loss did not improve from 0.64672
11/11 [=====] - 0s 8ms/step - loss: 0.4940 - accuracy: 0.
7098 - val_loss: 0.6480 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 110/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5704 - accuracy: 0.6562
Epoch 110: val_loss improved from 0.64672 to 0.63989, saving model to tmp/Weights-110--0.63989.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.4945 - accuracy: 0.
7069 - val_loss: 0.6399 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 111/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4432 - accuracy: 0.7500
Epoch 111: val_loss did not improve from 0.63989
11/11 [=====] - 0s 6ms/step - loss: 0.5205 - accuracy: 0.
7011 - val_loss: 0.6464 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 112/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5466 - accuracy: 0.6250
Epoch 112: val_loss did not improve from 0.63989
11/11 [=====] - 0s 6ms/step - loss: 0.5062 - accuracy: 0.
7011 - val_loss: 0.6427 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 113/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5535 - accuracy: 0.6562
Epoch 113: val_loss did not improve from 0.63989
11/11 [=====] - 0s 7ms/step - loss: 0.5012 - accuracy: 0.
7069 - val_loss: 0.6457 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 114/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4899 - accuracy: 0.8438
Epoch 114: val_loss did not improve from 0.63989
11/11 [=====] - 0s 7ms/step - loss: 0.4985 - accuracy: 0.
7040 - val_loss: 0.6466 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 115/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4335 - accuracy: 0.7188
Epoch 115: val_loss did not improve from 0.63989
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11/11 [=====] - 0s 7ms/step - loss: 0.4978 - accuracy: 0.  
7040 - val_loss: 0.6455 - val_accuracy: 0.5867 - lr: 0.0090  
Epoch 116/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5789 - accuracy: 0.6250  
Epoch 116: val_loss did not improve from 0.63989  
11/11 [=====] - 0s 6ms/step - loss: 0.4957 - accuracy: 0.  
7069 - val_loss: 0.6467 - val_accuracy: 0.5800 - lr: 0.0090  
Epoch 117/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4320 - accuracy: 0.7500  
Epoch 117: val_loss did not improve from 0.63989  
11/11 [=====] - 0s 7ms/step - loss: 0.4924 - accuracy: 0.  
7098 - val_loss: 0.6506 - val_accuracy: 0.5933 - lr: 0.0090  
Epoch 118/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4402 - accuracy: 0.8438  
Epoch 118: val_loss did not improve from 0.63989  
11/11 [=====] - 0s 6ms/step - loss: 0.4909 - accuracy: 0.  
7011 - val_loss: 0.6460 - val_accuracy: 0.5800 - lr: 0.0090  
Epoch 119/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4758 - accuracy: 0.5938  
Epoch 119: val_loss improved from 0.63989 to 0.63624, saving model to tmp/Weights-  
119--0.63624.hdf5  
11/11 [=====] - 0s 9ms/step - loss: 0.4901 - accuracy: 0.  
7069 - val_loss: 0.6362 - val_accuracy: 0.5867 - lr: 0.0090  
Epoch 120/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4961 - accuracy: 0.6875  
Epoch 120: val_loss improved from 0.63624 to 0.63443, saving model to tmp/Weights-  
120--0.63443.hdf5  
11/11 [=====] - 0s 9ms/step - loss: 0.4945 - accuracy: 0.  
7098 - val_loss: 0.6344 - val_accuracy: 0.5867 - lr: 0.0090  
Epoch 121/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4838 - accuracy: 0.7812  
Epoch 121: val_loss did not improve from 0.63443  
11/11 [=====] - 0s 6ms/step - loss: 0.4933 - accuracy: 0.  
7098 - val_loss: 0.6391 - val_accuracy: 0.5933 - lr: 0.0090  
Epoch 122/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4695 - accuracy: 0.6875  
Epoch 122: val_loss did not improve from 0.63443  
11/11 [=====] - 0s 7ms/step - loss: 0.4925 - accuracy: 0.  
7069 - val_loss: 0.6371 - val_accuracy: 0.5933 - lr: 0.0090  
Epoch 123/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3661 - accuracy: 0.7500  
Epoch 123: val_loss improved from 0.63443 to 0.63327, saving model to tmp/Weights-  
123--0.63327.hdf5  
11/11 [=====] - 0s 8ms/step - loss: 0.4887 - accuracy: 0.  
7098 - val_loss: 0.6333 - val_accuracy: 0.5867 - lr: 0.0090  
Epoch 124/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4925 - accuracy: 0.7188  
Epoch 124: val_loss did not improve from 0.63327  
11/11 [=====] - 0s 8ms/step - loss: 0.4885 - accuracy: 0.  
7098 - val_loss: 0.6412 - val_accuracy: 0.5867 - lr: 0.0090  
Epoch 125/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4642 - accuracy: 0.6875  
Epoch 125: val_loss improved from 0.63327 to 0.63053, saving model to tmp/Weights-  
125--0.63053.hdf5  
11/11 [=====] - 0s 9ms/step - loss: 0.4882 - accuracy: 0.  
7098 - val_loss: 0.6305 - val_accuracy: 0.5867 - lr: 0.0090  
Epoch 126/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4548 - accuracy: 0.7812  
Epoch 126: val_loss did not improve from 0.63053  
11/11 [=====] - 0s 6ms/step - loss: 0.4883 - accuracy: 0.  
7098 - val_loss: 0.6388 - val_accuracy: 0.5867 - lr: 0.0090  
Epoch 127/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.5379 - accuracy: 0.6875  
Epoch 127: val_loss improved from 0.63053 to 0.62852, saving model to tmp/Weights-
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127--0.62852.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.4915 - accuracy: 0.
7040 - val_loss: 0.6285 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 128/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4564 - accuracy: 0.7812
Epoch 128: val_loss did not improve from 0.62852
11/11 [=====] - 0s 6ms/step - loss: 0.4917 - accuracy: 0.
7069 - val_loss: 0.6449 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 129/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4807 - accuracy: 0.6875
Epoch 129: val_loss did not improve from 0.62852
11/11 [=====] - 0s 8ms/step - loss: 0.4877 - accuracy: 0.
7069 - val_loss: 0.6437 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 130/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5961 - accuracy: 0.7188
Epoch 130: val_loss did not improve from 0.62852
11/11 [=====] - 0s 6ms/step - loss: 0.4882 - accuracy: 0.
7098 - val_loss: 0.6326 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 131/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5349 - accuracy: 0.6250
Epoch 131: val_loss did not improve from 0.62852
11/11 [=====] - 0s 6ms/step - loss: 0.4896 - accuracy: 0.
7098 - val_loss: 0.6474 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 132/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4908 - accuracy: 0.7812
Epoch 132: val_loss did not improve from 0.62852
11/11 [=====] - 0s 7ms/step - loss: 0.4847 - accuracy: 0.
7098 - val_loss: 0.6414 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 133/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4971 - accuracy: 0.6250
Epoch 133: val_loss did not improve from 0.62852
11/11 [=====] - 0s 7ms/step - loss: 0.4833 - accuracy: 0.
7098 - val_loss: 0.6347 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 134/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5256 - accuracy: 0.8125
Epoch 134: val_loss improved from 0.62852 to 0.62465, saving model to tmp/Weights-134--0.62465.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.4843 - accuracy: 0.
7126 - val_loss: 0.6247 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 135/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3308 - accuracy: 0.8750
Epoch 135: val_loss did not improve from 0.62465
11/11 [=====] - 0s 7ms/step - loss: 0.4961 - accuracy: 0.
7098 - val_loss: 0.6466 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 136/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4011 - accuracy: 0.8438
Epoch 136: val_loss did not improve from 0.62465
11/11 [=====] - 0s 8ms/step - loss: 0.4895 - accuracy: 0.
7040 - val_loss: 0.6408 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 137/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4369 - accuracy: 0.7812
Epoch 137: val_loss improved from 0.62465 to 0.62195, saving model to tmp/Weights-137--0.62195.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.4971 - accuracy: 0.
7069 - val_loss: 0.6220 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 138/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4988 - accuracy: 0.7188
Epoch 138: val_loss did not improve from 0.62195
11/11 [=====] - 0s 7ms/step - loss: 0.4944 - accuracy: 0.
7011 - val_loss: 0.6360 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 139/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4639 - accuracy: 0.6562
Epoch 139: val_loss did not improve from 0.62195
11/11 [=====] - 0s 6ms/step - loss: 0.4862 - accuracy: 0.
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7069 - val_loss: 0.6373 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 140/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4868 - accuracy: 0.6562
Epoch 140: val_loss did not improve from 0.62195
11/11 [=====] - 0s 7ms/step - loss: 0.4826 - accuracy: 0.
7040 - val_loss: 0.6303 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 141/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4800 - accuracy: 0.6875
Epoch 141: val_loss did not improve from 0.62195
11/11 [=====] - 0s 6ms/step - loss: 0.4806 - accuracy: 0.
7069 - val_loss: 0.6410 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 142/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4292 - accuracy: 0.7500
Epoch 142: val_loss did not improve from 0.62195
11/11 [=====] - 0s 8ms/step - loss: 0.4856 - accuracy: 0.
7069 - val_loss: 0.6344 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 143/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5338 - accuracy: 0.6562
Epoch 143: val_loss did not improve from 0.62195
11/11 [=====] - 0s 7ms/step - loss: 0.4768 - accuracy: 0.
7098 - val_loss: 0.6368 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 144/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4549 - accuracy: 0.7188
Epoch 144: val_loss improved from 0.62195 to 0.61531, saving model to tmp/Weights-144--0.61531.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.4779 - accuracy: 0.
7069 - val_loss: 0.6153 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 145/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5511 - accuracy: 0.6250
Epoch 145: val_loss did not improve from 0.61531
11/11 [=====] - 0s 6ms/step - loss: 0.4769 - accuracy: 0.
7098 - val_loss: 0.6233 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 146/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4185 - accuracy: 0.7812
Epoch 146: val_loss did not improve from 0.61531
11/11 [=====] - 0s 7ms/step - loss: 0.4746 - accuracy: 0.
7098 - val_loss: 0.6422 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 147/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4928 - accuracy: 0.6250
Epoch 147: val_loss improved from 0.61531 to 0.60930, saving model to tmp/Weights-147--0.60930.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.4825 - accuracy: 0.
7040 - val_loss: 0.6093 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 148/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4707 - accuracy: 0.7188
Epoch 148: val_loss did not improve from 0.60930
11/11 [=====] - 0s 7ms/step - loss: 0.4781 - accuracy: 0.
7069 - val_loss: 0.6285 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 149/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5414 - accuracy: 0.5312
Epoch 149: val_loss did not improve from 0.60930
11/11 [=====] - 0s 6ms/step - loss: 0.4722 - accuracy: 0.
7098 - val_loss: 0.6241 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 150/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4951 - accuracy: 0.6875
Epoch 150: val_loss improved from 0.60930 to 0.60798, saving model to tmp/Weights-150--0.60798.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.4787 - accuracy: 0.
7098 - val_loss: 0.6080 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 151/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4400 - accuracy: 0.7500
Epoch 151: val_loss did not improve from 0.60798
11/11 [=====] - 0s 6ms/step - loss: 0.4789 - accuracy: 0.
7069 - val_loss: 0.6113 - val_accuracy: 0.5867 - lr: 0.0090
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Epoch 152/1000
1/11 [=>........................] - ETA: 0s - loss: 0.5266 - accuracy: 0.6875
Epoch 152: val_loss did not improve from 0.60798
11/11 [=====] - 0s 6ms/step - loss: 0.4751 - accuracy: 0.
7069 - val_loss: 0.6276 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 153/1000
1/11 [=>........................] - ETA: 0s - loss: 0.4017 - accuracy: 0.8125
Epoch 153: val_loss did not improve from 0.60798
11/11 [=====] - 0s 8ms/step - loss: 0.4761 - accuracy: 0.
7011 - val_loss: 0.6088 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 154/1000
1/11 [=>........................] - ETA: 0s - loss: 0.4284 - accuracy: 0.6875
Epoch 154: val_loss improved from 0.60798 to 0.60299, saving model to tmp/Weights-
154--0.60299.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.4776 - accuracy: 0.
7040 - val_loss: 0.6030 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 155/1000
1/11 [=>........................] - ETA: 0s - loss: 0.5528 - accuracy: 0.5625
Epoch 155: val_loss did not improve from 0.60299
11/11 [=====] - 0s 6ms/step - loss: 0.4696 - accuracy: 0.
7098 - val_loss: 0.6181 - val_accuracy: 0.5800 - lr: 0.0090
Epoch 156/1000
1/11 [=>........................] - ETA: 0s - loss: 0.4923 - accuracy: 0.6250
Epoch 156: val_loss did not improve from 0.60299
11/11 [=====] - 0s 7ms/step - loss: 0.4743 - accuracy: 0.
7040 - val_loss: 0.6361 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 157/1000
1/11 [=>........................] - ETA: 0s - loss: 0.5108 - accuracy: 0.6250
Epoch 157: val_loss improved from 0.60299 to 0.59973, saving model to tmp/Weights-
157--0.59973.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.4631 - accuracy: 0.
7040 - val_loss: 0.5997 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 158/1000
1/11 [=>........................] - ETA: 0s - loss: 0.4288 - accuracy: 0.6875
Epoch 158: val_loss did not improve from 0.59973
11/11 [=====] - 0s 8ms/step - loss: 0.4715 - accuracy: 0.
7069 - val_loss: 0.6078 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 159/1000
1/11 [=>........................] - ETA: 0s - loss: 0.4662 - accuracy: 0.7500
Epoch 159: val_loss did not improve from 0.59973
11/11 [=====] - 0s 8ms/step - loss: 0.4679 - accuracy: 0.
7069 - val_loss: 0.6413 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 160/1000
1/11 [=>........................] - ETA: 0s - loss: 0.4779 - accuracy: 0.6875
Epoch 160: val_loss did not improve from 0.59973
11/11 [=====] - 0s 6ms/step - loss: 0.4638 - accuracy: 0.
7098 - val_loss: 0.6268 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 161/1000
1/11 [=>........................] - ETA: 0s - loss: 0.4990 - accuracy: 0.6875
Epoch 161: val_loss did not improve from 0.59973
11/11 [=====] - 0s 7ms/step - loss: 0.4582 - accuracy: 0.
7098 - val_loss: 0.6112 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 162/1000
1/11 [=>........................] - ETA: 0s - loss: 0.4634 - accuracy: 0.6875
Epoch 162: val_loss did not improve from 0.59973
11/11 [=====] - 0s 7ms/step - loss: 0.4591 - accuracy: 0.
7098 - val_loss: 0.6023 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 163/1000
1/11 [=>........................] - ETA: 0s - loss: 0.5491 - accuracy: 0.6562
Epoch 163: val_loss did not improve from 0.59973
11/11 [=====] - 0s 6ms/step - loss: 0.4590 - accuracy: 0.
7098 - val_loss: 0.6007 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 164/1000
1/11 [=>........................] - ETA: 0s - loss: 0.5343 - accuracy: 0.6250
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Epoch 164: val_loss did not improve from 0.59973
11/11 [=====] - 0s 6ms/step - loss: 0.4658 - accuracy: 0.
7069 - val_loss: 0.6088 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 165/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5541 - accuracy: 0.6562
Epoch 165: val_loss did not improve from 0.59973
11/11 [=====] - 0s 8ms/step - loss: 0.4664 - accuracy: 0.
7069 - val_loss: 0.6128 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 166/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4879 - accuracy: 0.5938
Epoch 166: val_loss improved from 0.59973 to 0.58577, saving model to tmp/Weights-166--0.58577.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.4617 - accuracy: 0.
7040 - val_loss: 0.5858 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 167/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3298 - accuracy: 0.8750
Epoch 167: val_loss improved from 0.58577 to 0.57801, saving model to tmp/Weights-167--0.57801.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.4560 - accuracy: 0.
7098 - val_loss: 0.5780 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 168/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3583 - accuracy: 0.7812
Epoch 168: val_loss did not improve from 0.57801
11/11 [=====] - 0s 7ms/step - loss: 0.4545 - accuracy: 0.
7069 - val_loss: 0.5904 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 169/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4412 - accuracy: 0.7500
Epoch 169: val_loss did not improve from 0.57801
11/11 [=====] - 0s 7ms/step - loss: 0.4517 - accuracy: 0.
7126 - val_loss: 0.5834 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 170/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4788 - accuracy: 0.6250
Epoch 170: val_loss did not improve from 0.57801
11/11 [=====] - 0s 9ms/step - loss: 0.4673 - accuracy: 0.
7040 - val_loss: 0.5915 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 171/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4642 - accuracy: 0.6875
Epoch 171: val_loss did not improve from 0.57801
11/11 [=====] - 0s 7ms/step - loss: 0.4652 - accuracy: 0.
7040 - val_loss: 0.5983 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 172/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5187 - accuracy: 0.6562
Epoch 172: val_loss did not improve from 0.57801
11/11 [=====] - 0s 7ms/step - loss: 0.4557 - accuracy: 0.
7069 - val_loss: 0.6065 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 173/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4570 - accuracy: 0.7812
Epoch 173: val_loss did not improve from 0.57801
11/11 [=====] - 0s 6ms/step - loss: 0.4573 - accuracy: 0.
7069 - val_loss: 0.6148 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 174/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4092 - accuracy: 0.6562
Epoch 174: val_loss did not improve from 0.57801
11/11 [=====] - 0s 7ms/step - loss: 0.4479 - accuracy: 0.
7098 - val_loss: 0.6180 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 175/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3997 - accuracy: 0.7500
Epoch 175: val_loss did not improve from 0.57801
11/11 [=====] - 0s 7ms/step - loss: 0.4446 - accuracy: 0.
7098 - val_loss: 0.6029 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 176/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3835 - accuracy: 0.8438
Epoch 176: val_loss did not improve from 0.57801
11/11 [=====] - 0s 7ms/step - loss: 0.4487 - accuracy: 0.
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7069 - val_loss: 0.5944 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 177/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3697 - accuracy: 0.8438
Epoch 177: val_loss did not improve from 0.57801
11/11 [=====] - 0s 6ms/step - loss: 0.4421 - accuracy: 0.
7098 - val_loss: 0.6111 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 178/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4320 - accuracy: 0.6562
Epoch 178: val_loss did not improve from 0.57801
11/11 [=====] - 0s 7ms/step - loss: 0.4476 - accuracy: 0.
7098 - val_loss: 0.6024 - val_accuracy: 0.6000 - lr: 0.0090
Epoch 179/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4641 - accuracy: 0.7812
Epoch 179: val_loss did not improve from 0.57801
11/11 [=====] - 0s 9ms/step - loss: 0.4439 - accuracy: 0.
7098 - val_loss: 0.5959 - val_accuracy: 0.6067 - lr: 0.0090
Epoch 180/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3859 - accuracy: 0.8125
Epoch 180: val_loss did not improve from 0.57801
11/11 [=====] - 0s 8ms/step - loss: 0.4407 - accuracy: 0.
7098 - val_loss: 0.5951 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 181/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3510 - accuracy: 0.7500
Epoch 181: val_loss did not improve from 0.57801
11/11 [=====] - 0s 6ms/step - loss: 0.4462 - accuracy: 0.
7184 - val_loss: 0.6141 - val_accuracy: 0.7467 - lr: 0.0090
Epoch 182/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3908 - accuracy: 0.7812
Epoch 182: val_loss did not improve from 0.57801
11/11 [=====] - 0s 7ms/step - loss: 0.4391 - accuracy: 0.
7213 - val_loss: 0.6018 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 183/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4400 - accuracy: 0.7188
Epoch 183: val_loss did not improve from 0.57801
11/11 [=====] - 0s 7ms/step - loss: 0.4371 - accuracy: 0.
7184 - val_loss: 0.5862 - val_accuracy: 0.5933 - lr: 0.0090
Epoch 184/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4731 - accuracy: 0.6875
Epoch 184: val_loss did not improve from 0.57801
11/11 [=====] - 0s 9ms/step - loss: 0.4327 - accuracy: 0.
7213 - val_loss: 0.5889 - val_accuracy: 0.5867 - lr: 0.0090
Epoch 185/1000
11/11 [=====] - ETA: 0s - loss: 0.4346 - accuracy: 0.7040
Epoch 185: val_loss improved from 0.57801 to 0.57504, saving model to tmp/Weights-185--0.57504.hdf5
11/11 [=====] - 0s 11ms/step - loss: 0.4346 - accuracy: 0.7040
0.5750 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 186/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4780 - accuracy: 0.7500
Epoch 186: val_loss improved from 0.57504 to 0.56817, saving model to tmp/Weights-186--0.56817.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.4414 - accuracy: 0.
7098 - val_loss: 0.5682 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 187/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3845 - accuracy: 0.7500
Epoch 187: val_loss did not improve from 0.56817
11/11 [=====] - 0s 8ms/step - loss: 0.4341 - accuracy: 0.
7270 - val_loss: 0.5904 - val_accuracy: 0.7400 - lr: 0.0090
Epoch 188/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5111 - accuracy: 0.6875
Epoch 188: val_loss did not improve from 0.56817
11/11 [=====] - 0s 8ms/step - loss: 0.4317 - accuracy: 0.
7155 - val_loss: 0.6267 - val_accuracy: 0.7200 - lr: 0.0090
Epoch 189/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.3799 - accuracy: 0.7500
Epoch 189: val_loss did not improve from 0.56817
11/11 [=====] - 0s 7ms/step - loss: 0.4412 - accuracy: 0.
7241 - val_loss: 0.5783 - val_accuracy: 0.7667 - lr: 0.0090
Epoch 190/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5141 - accuracy: 0.6250
Epoch 190: val_loss did not improve from 0.56817
11/11 [=====] - 0s 8ms/step - loss: 0.4438 - accuracy: 0.
7270 - val_loss: 0.5775 - val_accuracy: 0.7867 - lr: 0.0090
Epoch 191/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4083 - accuracy: 0.7812
Epoch 191: val_loss did not improve from 0.56817
11/11 [=====] - 0s 6ms/step - loss: 0.4321 - accuracy: 0.
7241 - val_loss: 0.5802 - val_accuracy: 0.7667 - lr: 0.0090
Epoch 192/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4508 - accuracy: 0.6875
Epoch 192: val_loss improved from 0.56817 to 0.55606, saving model to tmp/Weights-
192--0.55606.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.4456 - accuracy: 0.
7155 - val_loss: 0.5561 - val_accuracy: 0.8067 - lr: 0.0090
Epoch 193/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4635 - accuracy: 0.5938
Epoch 193: val_loss did not improve from 0.55606
11/11 [=====] - 0s 7ms/step - loss: 0.4272 - accuracy: 0.
7126 - val_loss: 0.5658 - val_accuracy: 0.7467 - lr: 0.0090
Epoch 194/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4899 - accuracy: 0.5312
Epoch 194: val_loss did not improve from 0.55606
11/11 [=====] - 0s 7ms/step - loss: 0.4187 - accuracy: 0.
7155 - val_loss: 0.5765 - val_accuracy: 0.8000 - lr: 0.0090
Epoch 195/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3084 - accuracy: 0.8750
Epoch 195: val_loss did not improve from 0.55606
11/11 [=====] - 0s 6ms/step - loss: 0.4151 - accuracy: 0.
7471 - val_loss: 0.5625 - val_accuracy: 0.7333 - lr: 0.0090
Epoch 196/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3445 - accuracy: 0.6875
Epoch 196: val_loss did not improve from 0.55606
11/11 [=====] - 0s 7ms/step - loss: 0.4257 - accuracy: 0.
7069 - val_loss: 0.5772 - val_accuracy: 0.7267 - lr: 0.0090
Epoch 197/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4372 - accuracy: 0.6250
Epoch 197: val_loss did not improve from 0.55606
11/11 [=====] - 0s 6ms/step - loss: 0.4273 - accuracy: 0.
6983 - val_loss: 0.5646 - val_accuracy: 0.7533 - lr: 0.0090
Epoch 198/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4239 - accuracy: 0.6875
Epoch 198: val_loss did not improve from 0.55606
11/11 [=====] - 0s 8ms/step - loss: 0.4273 - accuracy: 0.
7328 - val_loss: 0.5586 - val_accuracy: 0.6133 - lr: 0.0090
Epoch 199/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3738 - accuracy: 0.7188
Epoch 199: val_loss did not improve from 0.55606
11/11 [=====] - 0s 8ms/step - loss: 0.4130 - accuracy: 0.
7011 - val_loss: 0.5622 - val_accuracy: 0.7533 - lr: 0.0090
Epoch 200/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4598 - accuracy: 0.7500
Epoch 200: val_loss improved from 0.55606 to 0.55596, saving model to tmp/Weights-
200--0.55596.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.4078 - accuracy: 0.
7270 - val_loss: 0.5560 - val_accuracy: 0.7800 - lr: 0.0090
Epoch 201/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4477 - accuracy: 0.7500
Epoch 201: val_loss improved from 0.55596 to 0.54065, saving model to tmp/Weights-
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201--0.54065.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.4052 - accuracy: 0.
7586 - val_loss: 0.5407 - val_accuracy: 0.7800 - lr: 0.0090
Epoch 202/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3676 - accuracy: 0.6875
Epoch 202: val_loss did not improve from 0.54065
11/11 [=====] - 0s 7ms/step - loss: 0.4051 - accuracy: 0.
7098 - val_loss: 0.5565 - val_accuracy: 0.7667 - lr: 0.0090
Epoch 203/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4638 - accuracy: 0.6562
Epoch 203: val_loss did not improve from 0.54065
11/11 [=====] - 0s 7ms/step - loss: 0.4035 - accuracy: 0.
7529 - val_loss: 0.5456 - val_accuracy: 0.7800 - lr: 0.0090
Epoch 204/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4006 - accuracy: 0.6250
Epoch 204: val_loss did not improve from 0.54065
11/11 [=====] - 0s 7ms/step - loss: 0.4155 - accuracy: 0.
7299 - val_loss: 0.5542 - val_accuracy: 0.7733 - lr: 0.0090
Epoch 205/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5450 - accuracy: 0.6250
Epoch 205: val_loss did not improve from 0.54065
11/11 [=====] - 0s 7ms/step - loss: 0.4113 - accuracy: 0.
7299 - val_loss: 0.5571 - val_accuracy: 0.7933 - lr: 0.0090
Epoch 206/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4024 - accuracy: 0.8750
Epoch 206: val_loss did not improve from 0.54065
11/11 [=====] - 0s 7ms/step - loss: 0.3996 - accuracy: 0.
7500 - val_loss: 0.5495 - val_accuracy: 0.7933 - lr: 0.0090
Epoch 207/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3676 - accuracy: 0.7188
Epoch 207: val_loss did not improve from 0.54065
11/11 [=====] - 0s 7ms/step - loss: 0.4123 - accuracy: 0.
7356 - val_loss: 0.5496 - val_accuracy: 0.7667 - lr: 0.0090
Epoch 208/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3669 - accuracy: 0.7500
Epoch 208: val_loss did not improve from 0.54065
11/11 [=====] - 0s 7ms/step - loss: 0.4002 - accuracy: 0.
7500 - val_loss: 0.5705 - val_accuracy: 0.7733 - lr: 0.0090
Epoch 209/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4042 - accuracy: 0.7812
Epoch 209: val_loss did not improve from 0.54065
11/11 [=====] - 0s 6ms/step - loss: 0.4095 - accuracy: 0.
7414 - val_loss: 0.5412 - val_accuracy: 0.7667 - lr: 0.0090
Epoch 210/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3593 - accuracy: 0.6875
Epoch 210: val_loss did not improve from 0.54065
11/11 [=====] - 0s 6ms/step - loss: 0.4036 - accuracy: 0.
7270 - val_loss: 0.5936 - val_accuracy: 0.7467 - lr: 0.0090
Epoch 211/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3919 - accuracy: 0.7812
Epoch 211: val_loss did not improve from 0.54065
11/11 [=====] - 0s 7ms/step - loss: 0.4182 - accuracy: 0.
7443 - val_loss: 0.5704 - val_accuracy: 0.7733 - lr: 0.0090
Epoch 212/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4467 - accuracy: 0.8125
Epoch 212: val_loss did not improve from 0.54065
11/11 [=====] - 0s 8ms/step - loss: 0.4095 - accuracy: 0.
7529 - val_loss: 0.5839 - val_accuracy: 0.7667 - lr: 0.0090
Epoch 213/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3987 - accuracy: 0.7812
Epoch 213: val_loss did not improve from 0.54065
11/11 [=====] - 0s 6ms/step - loss: 0.4159 - accuracy: 0.
7414 - val_loss: 0.5781 - val_accuracy: 0.7400 - lr: 0.0090
Epoch 214/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.3648 - accuracy: 0.7500
Epoch 214: val_loss improved from 0.54065 to 0.51587, saving model to tmp/Weights-214--0.51587.hdf5
11/11 [=====] - 0s 8ms/step - loss: 0.3997 - accuracy: 0.7241 - val_loss: 0.5159 - val_accuracy: 0.7867 - lr: 0.0090
Epoch 215/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4546 - accuracy: 0.7188
Epoch 215: val_loss improved from 0.51587 to 0.51093, saving model to tmp/Weights-215--0.51093.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.3952 - accuracy: 0.7730 - val_loss: 0.5109 - val_accuracy: 0.7933 - lr: 0.0090
Epoch 216/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4169 - accuracy: 0.6875
Epoch 216: val_loss did not improve from 0.51093
11/11 [=====] - 0s 6ms/step - loss: 0.3963 - accuracy: 0.7356 - val_loss: 0.5549 - val_accuracy: 0.7600 - lr: 0.0090
Epoch 217/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3743 - accuracy: 0.7500
Epoch 217: val_loss did not improve from 0.51093
11/11 [=====] - 0s 7ms/step - loss: 0.4068 - accuracy: 0.7299 - val_loss: 0.5913 - val_accuracy: 0.7333 - lr: 0.0090
Epoch 218/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3320 - accuracy: 0.7812
Epoch 218: val_loss did not improve from 0.51093
11/11 [=====] - 0s 6ms/step - loss: 0.4053 - accuracy: 0.7471 - val_loss: 0.5651 - val_accuracy: 0.7600 - lr: 0.0090
Epoch 219/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3406 - accuracy: 0.8438
Epoch 219: val_loss did not improve from 0.51093
11/11 [=====] - 0s 8ms/step - loss: 0.4087 - accuracy: 0.7270 - val_loss: 0.5244 - val_accuracy: 0.7800 - lr: 0.0090
Epoch 220/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4690 - accuracy: 0.7500
Epoch 220: val_loss improved from 0.51093 to 0.50612, saving model to tmp/Weights-220--0.50612.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.3968 - accuracy: 0.7701 - val_loss: 0.5061 - val_accuracy: 0.7733 - lr: 0.0090
Epoch 221/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4225 - accuracy: 0.7812
Epoch 221: val_loss did not improve from 0.50612
11/11 [=====] - 0s 6ms/step - loss: 0.3913 - accuracy: 0.7385 - val_loss: 0.5286 - val_accuracy: 0.7667 - lr: 0.0090
Epoch 222/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3126 - accuracy: 0.9062
Epoch 222: val_loss improved from 0.50612 to 0.50267, saving model to tmp/Weights-222--0.50267.hdf5
11/11 [=====] - 0s 10ms/step - loss: 0.3923 - accuracy: 0.7557 - val_loss: 0.5027 - val_accuracy: 0.7933 - lr: 0.0090
Epoch 223/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3674 - accuracy: 0.7188
Epoch 223: val_loss improved from 0.50267 to 0.49141, saving model to tmp/Weights-223--0.49141.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.3890 - accuracy: 0.7443 - val_loss: 0.4914 - val_accuracy: 0.7933 - lr: 0.0090
Epoch 224/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3618 - accuracy: 0.8125
Epoch 224: val_loss did not improve from 0.49141
11/11 [=====] - 0s 8ms/step - loss: 0.3884 - accuracy: 0.7529 - val_loss: 0.4983 - val_accuracy: 0.8000 - lr: 0.0090
Epoch 225/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3111 - accuracy: 0.8438
Epoch 225: val_loss did not improve from 0.49141
11/11 [=====] - 0s 6ms/step - loss: 0.3856 - accuracy: 0.7557 - val_loss: 0.5059 - val_accuracy: 0.7800 - lr: 0.0090
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Epoch 226/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3508 - accuracy: 0.8125
Epoch 226: val_loss did not improve from 0.49141
11/11 [=====] - 0s 7ms/step - loss: 0.3847 - accuracy: 0.
7529 - val_loss: 0.5183 - val_accuracy: 0.7800 - lr: 0.0090
Epoch 227/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4092 - accuracy: 0.8125
Epoch 227: val_loss did not improve from 0.49141
11/11 [=====] - 0s 8ms/step - loss: 0.3864 - accuracy: 0.
7529 - val_loss: 0.5064 - val_accuracy: 0.7933 - lr: 0.0090
Epoch 228/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4166 - accuracy: 0.7500
Epoch 228: val_loss did not improve from 0.49141
11/11 [=====] - 0s 7ms/step - loss: 0.3868 - accuracy: 0.
7529 - val_loss: 0.4967 - val_accuracy: 0.8000 - lr: 0.0090
Epoch 229/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3651 - accuracy: 0.8438
Epoch 229: val_loss did not improve from 0.49141
11/11 [=====] - 0s 7ms/step - loss: 0.3994 - accuracy: 0.
7615 - val_loss: 0.5601 - val_accuracy: 0.7533 - lr: 0.0090
Epoch 230/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4085 - accuracy: 0.6562
Epoch 230: val_loss did not improve from 0.49141
11/11 [=====] - 0s 7ms/step - loss: 0.3918 - accuracy: 0.
7615 - val_loss: 0.5451 - val_accuracy: 0.7667 - lr: 0.0090
Epoch 231/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3479 - accuracy: 0.7500
Epoch 231: val_loss did not improve from 0.49141
11/11 [=====] - 0s 7ms/step - loss: 0.4108 - accuracy: 0.
7213 - val_loss: 0.5567 - val_accuracy: 0.7400 - lr: 0.0090
Epoch 232/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4416 - accuracy: 0.7500
Epoch 232: val_loss did not improve from 0.49141
11/11 [=====] - 0s 7ms/step - loss: 0.3957 - accuracy: 0.
7644 - val_loss: 0.5092 - val_accuracy: 0.7667 - lr: 0.0090
Epoch 233/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3932 - accuracy: 0.7812
Epoch 233: val_loss did not improve from 0.49141
11/11 [=====] - 0s 8ms/step - loss: 0.3883 - accuracy: 0.
7557 - val_loss: 0.5046 - val_accuracy: 0.7600 - lr: 0.0090
Epoch 234/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4183 - accuracy: 0.7188
Epoch 234: val_loss did not improve from 0.49141
11/11 [=====] - 0s 8ms/step - loss: 0.3866 - accuracy: 0.
7443 - val_loss: 0.5191 - val_accuracy: 0.7800 - lr: 0.0090
Epoch 235/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3957 - accuracy: 0.8125
Epoch 235: val_loss did not improve from 0.49141
11/11 [=====] - 0s 8ms/step - loss: 0.3850 - accuracy: 0.
7759 - val_loss: 0.5087 - val_accuracy: 0.7800 - lr: 0.0090
Epoch 236/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4616 - accuracy: 0.7188
Epoch 236: val_loss did not improve from 0.49141
11/11 [=====] - 0s 7ms/step - loss: 0.3874 - accuracy: 0.
7385 - val_loss: 0.5115 - val_accuracy: 0.7533 - lr: 0.0090
Epoch 237/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4127 - accuracy: 0.7812
Epoch 237: val_loss did not improve from 0.49141
11/11 [=====] - 0s 8ms/step - loss: 0.3850 - accuracy: 0.
7471 - val_loss: 0.5076 - val_accuracy: 0.7800 - lr: 0.0090
Epoch 238/1000
1/11 [=>.....] - ETA: 0s - loss: 0.2559 - accuracy: 0.9062
Epoch 238: val_loss did not improve from 0.49141
11/11 [=====] - 0s 7ms/step - loss: 0.3843 - accuracy: 0.
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7730 - val_loss: 0.5066 - val_accuracy: 0.7933 - lr: 0.0090
Epoch 239/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4077 - accuracy: 0.6562
Epoch 239: val_loss did not improve from 0.49141
11/11 [=====] - 0s 7ms/step - loss: 0.3811 - accuracy: 0.
7586 - val_loss: 0.5122 - val_accuracy: 0.7667 - lr: 0.0090
Epoch 240/1000
1/11 [=>.....] - ETA: 0s - loss: 0.5038 - accuracy: 0.6250
Epoch 240: val_loss did not improve from 0.49141
11/11 [=====] - 0s 7ms/step - loss: 0.3833 - accuracy: 0.
7557 - val_loss: 0.5234 - val_accuracy: 0.7667 - lr: 0.0090
Epoch 241/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3703 - accuracy: 0.8438
Epoch 241: val_loss did not improve from 0.49141
11/11 [=====] - 0s 8ms/step - loss: 0.3825 - accuracy: 0.
7586 - val_loss: 0.5204 - val_accuracy: 0.7800 - lr: 0.0090
Epoch 242/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4204 - accuracy: 0.7812
Epoch 242: val_loss did not improve from 0.49141
11/11 [=====] - 0s 7ms/step - loss: 0.3809 - accuracy: 0.
7644 - val_loss: 0.5240 - val_accuracy: 0.7733 - lr: 0.0090
Epoch 243/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3445 - accuracy: 0.8125
Epoch 243: val_loss did not improve from 0.49141
11/11 [=====] - 0s 8ms/step - loss: 0.3805 - accuracy: 0.
7500 - val_loss: 0.5257 - val_accuracy: 0.7733 - lr: 0.0090
Epoch 244/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4412 - accuracy: 0.5938
Epoch 244: val_loss did not improve from 0.49141
11/11 [=====] - 0s 7ms/step - loss: 0.3813 - accuracy: 0.
7672 - val_loss: 0.5236 - val_accuracy: 0.7867 - lr: 0.0090
Epoch 245/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4372 - accuracy: 0.7812
Epoch 245: val_loss did not improve from 0.49141
11/11 [=====] - 0s 7ms/step - loss: 0.3798 - accuracy: 0.
7586 - val_loss: 0.5272 - val_accuracy: 0.7867 - lr: 0.0090
Epoch 246/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3898 - accuracy: 0.7188
Epoch 246: val_loss did not improve from 0.49141
11/11 [=====] - 0s 7ms/step - loss: 0.3784 - accuracy: 0.
7586 - val_loss: 0.5205 - val_accuracy: 0.7867 - lr: 0.0090
Epoch 247/1000
1/11 [=>.....] - ETA: 0s - loss: 0.2605 - accuracy: 0.9062
Epoch 247: val_loss did not improve from 0.49141
11/11 [=====] - 0s 7ms/step - loss: 0.3777 - accuracy: 0.
7586 - val_loss: 0.5215 - val_accuracy: 0.7800 - lr: 0.0090
Epoch 248/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3575 - accuracy: 0.7188
Epoch 248: val_loss did not improve from 0.49141
11/11 [=====] - 0s 8ms/step - loss: 0.3758 - accuracy: 0.
7644 - val_loss: 0.5253 - val_accuracy: 0.7867 - lr: 0.0090
Epoch 249/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4174 - accuracy: 0.7500
Epoch 249: val_loss did not improve from 0.49141
11/11 [=====] - 0s 8ms/step - loss: 0.3761 - accuracy: 0.
7615 - val_loss: 0.5298 - val_accuracy: 0.7867 - lr: 0.0090
Epoch 250/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4287 - accuracy: 0.6875
Epoch 250: val_loss did not improve from 0.49141
11/11 [=====] - 0s 7ms/step - loss: 0.3798 - accuracy: 0.
7615 - val_loss: 0.5330 - val_accuracy: 0.7667 - lr: 0.0090
Epoch 251/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3618 - accuracy: 0.6875
Epoch 251: val_loss did not improve from 0.49141
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11/11 [=====] - 0s 8ms/step - loss: 0.3821 - accuracy: 0.  
7644 - val_loss: 0.5368 - val_accuracy: 0.7867 - lr: 0.0090  
Epoch 252/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3283 - accuracy: 0.7812  
Epoch 252: val_loss did not improve from 0.49141  
11/11 [=====] - 0s 7ms/step - loss: 0.3755 - accuracy: 0.  
7672 - val_loss: 0.5322 - val_accuracy: 0.7600 - lr: 0.0090  
Epoch 253/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3381 - accuracy: 0.7500  
Epoch 253: val_loss did not improve from 0.49141  
11/11 [=====] - 0s 7ms/step - loss: 0.3779 - accuracy: 0.  
7443 - val_loss: 0.5202 - val_accuracy: 0.7933 - lr: 0.0090  
Epoch 254/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4048 - accuracy: 0.8125  
Epoch 254: val_loss did not improve from 0.49141  
11/11 [=====] - 0s 8ms/step - loss: 0.3747 - accuracy: 0.  
7701 - val_loss: 0.5262 - val_accuracy: 0.7733 - lr: 0.0090  
Epoch 255/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4673 - accuracy: 0.7500  
Epoch 255: val_loss did not improve from 0.49141  
11/11 [=====] - 0s 8ms/step - loss: 0.3748 - accuracy: 0.  
7644 - val_loss: 0.5213 - val_accuracy: 0.7933 - lr: 0.0090  
Epoch 256/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.2805 - accuracy: 0.8750  
Epoch 256: val_loss did not improve from 0.49141  
11/11 [=====] - 0s 7ms/step - loss: 0.3735 - accuracy: 0.  
7730 - val_loss: 0.5120 - val_accuracy: 0.7867 - lr: 0.0090  
Epoch 257/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.2852 - accuracy: 0.8750  
Epoch 257: val_loss did not improve from 0.49141  
11/11 [=====] - 0s 7ms/step - loss: 0.3745 - accuracy: 0.  
7730 - val_loss: 0.5192 - val_accuracy: 0.7867 - lr: 0.0090  
Epoch 258/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3439 - accuracy: 0.7812  
Epoch 258: val_loss did not improve from 0.49141  
11/11 [=====] - 0s 7ms/step - loss: 0.3739 - accuracy: 0.  
7644 - val_loss: 0.5202 - val_accuracy: 0.7800 - lr: 0.0090  
Epoch 259/1000  
11/11 [=====] - ETA: 0s - loss: 0.3737 - accuracy: 0.7586  
Epoch 259: val_loss did not improve from 0.49141  
11/11 [=====] - 0s 9ms/step - loss: 0.3737 - accuracy: 0.  
7586 - val_loss: 0.5195 - val_accuracy: 0.7867 - lr: 0.0090  
Epoch 260/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3794 - accuracy: 0.8750  
Epoch 260: val_loss did not improve from 0.49141  
11/11 [=====] - 0s 7ms/step - loss: 0.3730 - accuracy: 0.  
7701 - val_loss: 0.5270 - val_accuracy: 0.7800 - lr: 0.0090  
Epoch 261/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3947 - accuracy: 0.8125  
Epoch 261: val_loss did not improve from 0.49141  
11/11 [=====] - 0s 7ms/step - loss: 0.3719 - accuracy: 0.  
7644 - val_loss: 0.5283 - val_accuracy: 0.7533 - lr: 0.0090  
Epoch 262/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.2587 - accuracy: 0.8125  
Epoch 262: val_loss did not improve from 0.49141  
11/11 [=====] - 0s 7ms/step - loss: 0.3750 - accuracy: 0.  
7644 - val_loss: 0.5332 - val_accuracy: 0.7800 - lr: 0.0090  
Epoch 263/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.2890 - accuracy: 0.6875  
Epoch 263: val_loss did not improve from 0.49141  
11/11 [=====] - 0s 7ms/step - loss: 0.3770 - accuracy: 0.  
7586 - val_loss: 0.5338 - val_accuracy: 0.7733 - lr: 0.0090  
Epoch 264/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3880 - accuracy: 0.7188
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Epoch 264: val_loss did not improve from 0.49141
11/11 [=====] - 0s 8ms/step - loss: 0.3792 - accuracy: 0.
7529 - val_loss: 0.4959 - val_accuracy: 0.7867 - lr: 0.0090
Epoch 265/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3400 - accuracy: 0.7500
Epoch 265: val_loss did not improve from 0.49141
11/11 [=====] - 0s 7ms/step - loss: 0.3794 - accuracy: 0.
7730 - val_loss: 0.5010 - val_accuracy: 0.7733 - lr: 0.0090
Epoch 266/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4242 - accuracy: 0.7500
Epoch 266: val_loss did not improve from 0.49141
11/11 [=====] - 0s 8ms/step - loss: 0.3803 - accuracy: 0.
7471 - val_loss: 0.4942 - val_accuracy: 0.7400 - lr: 0.0090
Epoch 267/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4395 - accuracy: 0.8125
Epoch 267: val_loss did not improve from 0.49141
11/11 [=====] - 0s 7ms/step - loss: 0.3906 - accuracy: 0.
7557 - val_loss: 0.5022 - val_accuracy: 0.7800 - lr: 0.0090
Epoch 268/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4341 - accuracy: 0.5938
Epoch 268: val_loss did not improve from 0.49141
11/11 [=====] - 0s 7ms/step - loss: 0.3760 - accuracy: 0.
7759 - val_loss: 0.5194 - val_accuracy: 0.7933 - lr: 0.0090
Epoch 269/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4759 - accuracy: 0.6875
Epoch 269: val_loss did not improve from 0.49141
11/11 [=====] - 0s 8ms/step - loss: 0.3707 - accuracy: 0.
7672 - val_loss: 0.5004 - val_accuracy: 0.7733 - lr: 0.0090
Epoch 270/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3885 - accuracy: 0.7188
Epoch 270: val_loss did not improve from 0.49141
11/11 [=====] - 0s 8ms/step - loss: 0.3757 - accuracy: 0.
7529 - val_loss: 0.5120 - val_accuracy: 0.7667 - lr: 0.0090
Epoch 271/1000
1/11 [=>.....] - ETA: 0s - loss: 0.2553 - accuracy: 0.8125
Epoch 271: val_loss did not improve from 0.49141
11/11 [=====] - 0s 7ms/step - loss: 0.3747 - accuracy: 0.
7701 - val_loss: 0.5307 - val_accuracy: 0.7600 - lr: 0.0090
Epoch 272/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4784 - accuracy: 0.6562
Epoch 272: val_loss improved from 0.49141 to 0.48321, saving model to tmp/Weights-272--0.48321.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.3820 - accuracy: 0.
7557 - val_loss: 0.4832 - val_accuracy: 0.7667 - lr: 0.0090
Epoch 273/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4403 - accuracy: 0.7500
Epoch 273: val_loss improved from 0.48321 to 0.47393, saving model to tmp/Weights-273--0.47393.hdf5
11/11 [=====] - 0s 9ms/step - loss: 0.3745 - accuracy: 0.
7672 - val_loss: 0.4739 - val_accuracy: 0.7867 - lr: 0.0090
Epoch 274/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4359 - accuracy: 0.7812
Epoch 274: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3748 - accuracy: 0.
7615 - val_loss: 0.5044 - val_accuracy: 0.7867 - lr: 0.0090
Epoch 275/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3544 - accuracy: 0.8438
Epoch 275: val_loss did not improve from 0.47393
11/11 [=====] - 0s 9ms/step - loss: 0.3762 - accuracy: 0.
7701 - val_loss: 0.4845 - val_accuracy: 0.7800 - lr: 0.0090
Epoch 276/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4266 - accuracy: 0.6562
Epoch 276: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3745 - accuracy: 0.
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7557 - val_loss: 0.4958 - val_accuracy: 0.7933 - lr: 0.0090
Epoch 277/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3669 - accuracy: 0.8438
Epoch 277: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3717 - accuracy: 0.
7701 - val_loss: 0.4906 - val_accuracy: 0.7933 - lr: 0.0090
Epoch 278/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3786 - accuracy: 0.6875
Epoch 278: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3705 - accuracy: 0.
7730 - val_loss: 0.4921 - val_accuracy: 0.7800 - lr: 0.0090
Epoch 279/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4252 - accuracy: 0.6562
Epoch 279: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3717 - accuracy: 0.
7672 - val_loss: 0.5046 - val_accuracy: 0.7933 - lr: 0.0090
Epoch 280/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4104 - accuracy: 0.7500
Epoch 280: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3737 - accuracy: 0.
7672 - val_loss: 0.5013 - val_accuracy: 0.7933 - lr: 0.0090
Epoch 281/1000
1/11 [=>.....] - ETA: 0s - loss: 0.2268 - accuracy: 0.8438
Epoch 281: val_loss did not improve from 0.47393
11/11 [=====] - 0s 6ms/step - loss: 0.3701 - accuracy: 0.
7759 - val_loss: 0.4925 - val_accuracy: 0.7933 - lr: 0.0090
Epoch 282/1000
1/11 [=>.....] - ETA: 0s - loss: 0.2602 - accuracy: 0.8750
Epoch 282: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3679 - accuracy: 0.
7730 - val_loss: 0.5099 - val_accuracy: 0.7933 - lr: 0.0090
Epoch 283/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3733 - accuracy: 0.7812
Epoch 283: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3694 - accuracy: 0.
7759 - val_loss: 0.5098 - val_accuracy: 0.7667 - lr: 0.0090
Epoch 284/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4230 - accuracy: 0.8438
Epoch 284: val_loss did not improve from 0.47393
11/11 [=====] - 0s 8ms/step - loss: 0.3746 - accuracy: 0.
7586 - val_loss: 0.5078 - val_accuracy: 0.7800 - lr: 0.0090
Epoch 285/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3970 - accuracy: 0.7500
Epoch 285: val_loss did not improve from 0.47393
11/11 [=====] - 0s 8ms/step - loss: 0.3720 - accuracy: 0.
7557 - val_loss: 0.5022 - val_accuracy: 0.7800 - lr: 0.0090
Epoch 286/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4028 - accuracy: 0.6875
Epoch 286: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3707 - accuracy: 0.
7759 - val_loss: 0.5078 - val_accuracy: 0.7800 - lr: 0.0090
Epoch 287/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4059 - accuracy: 0.7500
Epoch 287: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3700 - accuracy: 0.
7672 - val_loss: 0.5065 - val_accuracy: 0.7800 - lr: 0.0090
Epoch 288/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3635 - accuracy: 0.8438
Epoch 288: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3723 - accuracy: 0.
7615 - val_loss: 0.4799 - val_accuracy: 0.7733 - lr: 0.0090
Epoch 289/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4191 - accuracy: 0.7500
Epoch 289: val_loss did not improve from 0.47393
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11/11 [=====] - 0s 7ms/step - loss: 0.3690 - accuracy: 0.  
7672 - val_loss: 0.4891 - val_accuracy: 0.7867 - lr: 0.0090  
Epoch 290/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.2674 - accuracy: 0.8125  
Epoch 290: val_loss did not improve from 0.47393  
11/11 [=====] - 0s 7ms/step - loss: 0.3703 - accuracy: 0.  
7701 - val_loss: 0.4943 - val_accuracy: 0.7933 - lr: 0.0090  
Epoch 291/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3412 - accuracy: 0.8438  
Epoch 291: val_loss did not improve from 0.47393  
11/11 [=====] - 0s 8ms/step - loss: 0.3664 - accuracy: 0.  
7759 - val_loss: 0.4953 - val_accuracy: 0.7933 - lr: 0.0090  
Epoch 292/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4010 - accuracy: 0.6875  
Epoch 292: val_loss did not improve from 0.47393  
11/11 [=====] - 0s 7ms/step - loss: 0.3666 - accuracy: 0.  
7672 - val_loss: 0.4902 - val_accuracy: 0.7867 - lr: 0.0090  
Epoch 293/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4153 - accuracy: 0.7188  
Epoch 293: val_loss did not improve from 0.47393  
11/11 [=====] - 0s 6ms/step - loss: 0.3668 - accuracy: 0.  
7701 - val_loss: 0.5042 - val_accuracy: 0.7800 - lr: 0.0090  
Epoch 294/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3473 - accuracy: 0.8438  
Epoch 294: val_loss did not improve from 0.47393  
11/11 [=====] - 0s 8ms/step - loss: 0.3673 - accuracy: 0.  
7759 - val_loss: 0.5062 - val_accuracy: 0.7800 - lr: 0.0090  
Epoch 295/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3802 - accuracy: 0.8438  
Epoch 295: val_loss did not improve from 0.47393  
11/11 [=====] - 0s 7ms/step - loss: 0.3662 - accuracy: 0.  
7759 - val_loss: 0.4962 - val_accuracy: 0.7733 - lr: 0.0090  
Epoch 296/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3298 - accuracy: 0.7812  
Epoch 296: val_loss did not improve from 0.47393  
11/11 [=====] - 0s 7ms/step - loss: 0.3654 - accuracy: 0.  
7701 - val_loss: 0.4997 - val_accuracy: 0.7667 - lr: 0.0090  
Epoch 297/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3035 - accuracy: 0.7812  
Epoch 297: val_loss did not improve from 0.47393  
11/11 [=====] - 0s 7ms/step - loss: 0.3670 - accuracy: 0.  
7701 - val_loss: 0.4848 - val_accuracy: 0.7800 - lr: 0.0090  
Epoch 298/1000  
11/11 [=====] - ETA: 0s - loss: 0.3661 - accuracy: 0.7759  
Epoch 298: val_loss did not improve from 0.47393  
11/11 [=====] - 0s 10ms/step - loss: 0.3661 - accuracy:  
0.7759 - val_loss: 0.4797 - val_accuracy: 0.7800 - lr: 0.0090  
Epoch 299/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3252 - accuracy: 0.8750  
Epoch 299: val_loss did not improve from 0.47393  
11/11 [=====] - 0s 7ms/step - loss: 0.3656 - accuracy: 0.  
7759 - val_loss: 0.4844 - val_accuracy: 0.7867 - lr: 0.0090  
Epoch 300/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3636 - accuracy: 0.8125  
Epoch 300: val_loss did not improve from 0.47393  
11/11 [=====] - 0s 6ms/step - loss: 0.3651 - accuracy: 0.  
7701 - val_loss: 0.4950 - val_accuracy: 0.7867 - lr: 0.0090  
Epoch 301/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3723 - accuracy: 0.7500  
Epoch 301: val_loss did not improve from 0.47393  
11/11 [=====] - 0s 7ms/step - loss: 0.3664 - accuracy: 0.  
7730 - val_loss: 0.5024 - val_accuracy: 0.7800 - lr: 0.0090  
Epoch 302/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3425 - accuracy: 0.8125
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Epoch 302: val_loss did not improve from 0.47393
11/11 [=====] - 0s 8ms/step - loss: 0.3658 - accuracy: 0.
7759 - val_loss: 0.5004 - val_accuracy: 0.7733 - lr: 0.0090
Epoch 303/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3180 - accuracy: 0.7188
Epoch 303: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3653 - accuracy: 0.
7730 - val_loss: 0.4939 - val_accuracy: 0.7867 - lr: 0.0090
Epoch 304/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4207 - accuracy: 0.8125
Epoch 304: val_loss did not improve from 0.47393
11/11 [=====] - 0s 8ms/step - loss: 0.3641 - accuracy: 0.
7730 - val_loss: 0.4821 - val_accuracy: 0.7867 - lr: 0.0090
Epoch 305/1000
1/11 [=>.....] - ETA: 0s - loss: 0.2395 - accuracy: 0.9062
Epoch 305: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3639 - accuracy: 0.
7759 - val_loss: 0.4761 - val_accuracy: 0.7733 - lr: 0.0090
Epoch 306/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3176 - accuracy: 0.8125
Epoch 306: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3644 - accuracy: 0.
7759 - val_loss: 0.5027 - val_accuracy: 0.7800 - lr: 0.0090
Epoch 307/1000
1/11 [=>.....] - ETA: 0s - loss: 0.2773 - accuracy: 0.9062
Epoch 307: val_loss did not improve from 0.47393
11/11 [=====] - 0s 9ms/step - loss: 0.3644 - accuracy: 0.
7759 - val_loss: 0.4920 - val_accuracy: 0.7800 - lr: 0.0090
Epoch 308/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4382 - accuracy: 0.6562
Epoch 308: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3635 - accuracy: 0.
7759 - val_loss: 0.4895 - val_accuracy: 0.7867 - lr: 0.0090
Epoch 309/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3531 - accuracy: 0.8438
Epoch 309: val_loss did not improve from 0.47393
11/11 [=====] - 0s 8ms/step - loss: 0.3651 - accuracy: 0.
7644 - val_loss: 0.4799 - val_accuracy: 0.7933 - lr: 0.0090
Epoch 310/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3231 - accuracy: 0.8438
Epoch 310: val_loss did not improve from 0.47393
11/11 [=====] - 0s 6ms/step - loss: 0.3643 - accuracy: 0.
7730 - val_loss: 0.4770 - val_accuracy: 0.7800 - lr: 0.0090
Epoch 311/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3577 - accuracy: 0.8438
Epoch 311: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3642 - accuracy: 0.
7759 - val_loss: 0.4899 - val_accuracy: 0.7800 - lr: 0.0090
Epoch 312/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3902 - accuracy: 0.7500
Epoch 312: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3650 - accuracy: 0.
7672 - val_loss: 0.4863 - val_accuracy: 0.7733 - lr: 0.0090
Epoch 313/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3593 - accuracy: 0.8438
Epoch 313: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3638 - accuracy: 0.
7759 - val_loss: 0.4876 - val_accuracy: 0.7800 - lr: 0.0090
Epoch 314/1000
11/11 [=====] - ETA: 0s - loss: 0.3635 - accuracy: 0.7759
Epoch 314: val_loss did not improve from 0.47393
11/11 [=====] - 0s 9ms/step - loss: 0.3635 - accuracy: 0.
7759 - val_loss: 0.4895 - val_accuracy: 0.7733 - lr: 0.0090
Epoch 315/1000
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1/11 [=>.....] - ETA: 0s - loss: 0.3406 - accuracy: 0.7812
Epoch 315: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3629 - accuracy: 0.
7759 - val_loss: 0.4858 - val_accuracy: 0.7733 - lr: 0.0090
Epoch 316/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4367 - accuracy: 0.6875
Epoch 316: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3624 - accuracy: 0.
7759 - val_loss: 0.4995 - val_accuracy: 0.7800 - lr: 0.0090
Epoch 317/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3166 - accuracy: 0.8750
Epoch 317: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3672 - accuracy: 0.
7701 - val_loss: 0.5138 - val_accuracy: 0.7867 - lr: 0.0090
Epoch 318/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3844 - accuracy: 0.7500
Epoch 318: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3686 - accuracy: 0.
7701 - val_loss: 0.4786 - val_accuracy: 0.7533 - lr: 0.0090
Epoch 319/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3929 - accuracy: 0.7812
Epoch 319: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3702 - accuracy: 0.
7672 - val_loss: 0.5095 - val_accuracy: 0.7800 - lr: 0.0090
Epoch 320/1000
1/11 [=>.....] - ETA: 0s - loss: 0.2529 - accuracy: 0.9062
Epoch 320: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3675 - accuracy: 0.
7644 - val_loss: 0.6178 - val_accuracy: 0.7333 - lr: 0.0090
Epoch 321/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4625 - accuracy: 0.5938
Epoch 321: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3725 - accuracy: 0.
7529 - val_loss: 0.5388 - val_accuracy: 0.7467 - lr: 0.0090
Epoch 322/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3084 - accuracy: 0.7812
Epoch 322: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3597 - accuracy: 0.
7672 - val_loss: 0.5385 - val_accuracy: 0.7800 - lr: 0.0090
Epoch 323/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4644 - accuracy: 0.6562
Epoch 323: val_loss did not improve from 0.47393

Epoch 323: ReduceLROnPlateau reducing learning rate to 0.006299999728798866.
11/11 [=====] - 0s 9ms/step - loss: 0.3619 - accuracy: 0.
7701 - val_loss: 0.5391 - val_accuracy: 0.7733 - lr: 0.0090
Epoch 324/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3934 - accuracy: 0.7500
Epoch 324: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3622 - accuracy: 0.
7672 - val_loss: 0.5457 - val_accuracy: 0.7800 - lr: 0.0063
Epoch 325/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3287 - accuracy: 0.6875
Epoch 325: val_loss did not improve from 0.47393
11/11 [=====] - 0s 9ms/step - loss: 0.3823 - accuracy: 0.
7672 - val_loss: 0.5759 - val_accuracy: 0.7800 - lr: 0.0063
Epoch 326/1000
1/11 [=>.....] - ETA: 0s - loss: 0.2676 - accuracy: 0.8125
Epoch 326: val_loss did not improve from 0.47393
11/11 [=====] - 0s 9ms/step - loss: 0.3602 - accuracy: 0.
7644 - val_loss: 0.5474 - val_accuracy: 0.7733 - lr: 0.0063
Epoch 327/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3264 - accuracy: 0.6875
Epoch 327: val_loss did not improve from 0.47393
```

```
11/11 [=====] - 0s 7ms/step - loss: 0.3524 - accuracy: 0.  
7644 - val_loss: 0.5433 - val_accuracy: 0.7733 - lr: 0.0063  
Epoch 328/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3679 - accuracy: 0.7500  
Epoch 328: val_loss did not improve from 0.47393  
11/11 [=====] - 0s 8ms/step - loss: 0.3529 - accuracy: 0.  
7730 - val_loss: 0.5209 - val_accuracy: 0.7800 - lr: 0.0063  
Epoch 329/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4166 - accuracy: 0.6875  
Epoch 329: val_loss did not improve from 0.47393  
11/11 [=====] - 0s 7ms/step - loss: 0.3548 - accuracy: 0.  
7672 - val_loss: 0.5370 - val_accuracy: 0.7800 - lr: 0.0063  
Epoch 330/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3648 - accuracy: 0.8125  
Epoch 330: val_loss did not improve from 0.47393  
11/11 [=====] - 0s 7ms/step - loss: 0.3460 - accuracy: 0.  
7701 - val_loss: 0.5281 - val_accuracy: 0.7800 - lr: 0.0063  
Epoch 331/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3525 - accuracy: 0.7500  
Epoch 331: val_loss did not improve from 0.47393  
11/11 [=====] - 0s 7ms/step - loss: 0.3464 - accuracy: 0.  
7730 - val_loss: 0.5294 - val_accuracy: 0.7533 - lr: 0.0063  
Epoch 332/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.2304 - accuracy: 0.8750  
Epoch 332: val_loss did not improve from 0.47393  
11/11 [=====] - 0s 7ms/step - loss: 0.3484 - accuracy: 0.  
7701 - val_loss: 0.5208 - val_accuracy: 0.7733 - lr: 0.0063  
Epoch 333/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.2810 - accuracy: 0.7812  
Epoch 333: val_loss did not improve from 0.47393  
11/11 [=====] - 0s 8ms/step - loss: 0.3461 - accuracy: 0.  
7730 - val_loss: 0.5188 - val_accuracy: 0.7800 - lr: 0.0063  
Epoch 334/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3883 - accuracy: 0.6875  
Epoch 334: val_loss did not improve from 0.47393  
11/11 [=====] - 0s 8ms/step - loss: 0.3430 - accuracy: 0.  
7759 - val_loss: 0.5108 - val_accuracy: 0.7733 - lr: 0.0063  
Epoch 335/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3186 - accuracy: 0.8438  
Epoch 335: val_loss did not improve from 0.47393  
11/11 [=====] - 0s 6ms/step - loss: 0.3420 - accuracy: 0.  
7759 - val_loss: 0.5200 - val_accuracy: 0.7800 - lr: 0.0063  
Epoch 336/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.4107 - accuracy: 0.7500  
Epoch 336: val_loss did not improve from 0.47393  
11/11 [=====] - 0s 8ms/step - loss: 0.3431 - accuracy: 0.  
7672 - val_loss: 0.5167 - val_accuracy: 0.7733 - lr: 0.0063  
Epoch 337/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.2648 - accuracy: 0.8125  
Epoch 337: val_loss did not improve from 0.47393  
11/11 [=====] - 0s 9ms/step - loss: 0.3420 - accuracy: 0.  
7644 - val_loss: 0.5247 - val_accuracy: 0.7733 - lr: 0.0063  
Epoch 338/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3156 - accuracy: 0.8438  
Epoch 338: val_loss did not improve from 0.47393  
11/11 [=====] - 0s 8ms/step - loss: 0.3436 - accuracy: 0.  
7672 - val_loss: 0.5034 - val_accuracy: 0.7800 - lr: 0.0063  
Epoch 339/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.3325 - accuracy: 0.7500  
Epoch 339: val_loss did not improve from 0.47393  
11/11 [=====] - 0s 9ms/step - loss: 0.3438 - accuracy: 0.  
7672 - val_loss: 0.5394 - val_accuracy: 0.7800 - lr: 0.0063  
Epoch 340/1000  
1/11 [=>.....] - ETA: 0s - loss: 0.2731 - accuracy: 0.8750
```

```
Epoch 340: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3488 - accuracy: 0.
7672 - val_loss: 0.5136 - val_accuracy: 0.7533 - lr: 0.0063
Epoch 341/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3487 - accuracy: 0.7500
Epoch 341: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3429 - accuracy: 0.
7615 - val_loss: 0.5030 - val_accuracy: 0.7733 - lr: 0.0063
Epoch 342/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3433 - accuracy: 0.7500
Epoch 342: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3370 - accuracy: 0.
7759 - val_loss: 0.4895 - val_accuracy: 0.7867 - lr: 0.0063
Epoch 343/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3713 - accuracy: 0.8125
Epoch 343: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3327 - accuracy: 0.
7759 - val_loss: 0.5565 - val_accuracy: 0.7667 - lr: 0.0063
Epoch 344/1000
1/11 [=>.....] - ETA: 0s - loss: 0.1931 - accuracy: 0.9375
Epoch 344: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3447 - accuracy: 0.
7586 - val_loss: 0.5421 - val_accuracy: 0.7533 - lr: 0.0063
Epoch 345/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3436 - accuracy: 0.7812
Epoch 345: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3384 - accuracy: 0.
7615 - val_loss: 0.5488 - val_accuracy: 0.7733 - lr: 0.0063
Epoch 346/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4139 - accuracy: 0.6875
Epoch 346: val_loss did not improve from 0.47393
11/11 [=====] - 0s 8ms/step - loss: 0.3356 - accuracy: 0.
7730 - val_loss: 0.5720 - val_accuracy: 0.7733 - lr: 0.0063
Epoch 347/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3543 - accuracy: 0.7500
Epoch 347: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3347 - accuracy: 0.
7672 - val_loss: 0.5516 - val_accuracy: 0.7733 - lr: 0.0063
Epoch 348/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3036 - accuracy: 0.8125
Epoch 348: val_loss did not improve from 0.47393
11/11 [=====] - 0s 8ms/step - loss: 0.3257 - accuracy: 0.
7730 - val_loss: 0.5542 - val_accuracy: 0.7667 - lr: 0.0063
Epoch 349/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3212 - accuracy: 0.7500
Epoch 349: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3267 - accuracy: 0.
7816 - val_loss: 0.5546 - val_accuracy: 0.6533 - lr: 0.0063
Epoch 350/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3428 - accuracy: 0.7188
Epoch 350: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3217 - accuracy: 0.
7902 - val_loss: 0.5529 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 351/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3391 - accuracy: 0.8750
Epoch 351: val_loss did not improve from 0.47393
11/11 [=====] - 0s 8ms/step - loss: 0.3219 - accuracy: 0.
7902 - val_loss: 0.5550 - val_accuracy: 0.6733 - lr: 0.0063
Epoch 352/1000
1/11 [=>.....] - ETA: 0s - loss: 0.2812 - accuracy: 0.7812
Epoch 352: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3203 - accuracy: 0.
7902 - val_loss: 0.5542 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 353/1000
```

```
1/11 [=>.....] - ETA: 0s - loss: 0.3889 - accuracy: 0.6875
Epoch 353: val_loss did not improve from 0.47393
11/11 [=====] - 0s 6ms/step - loss: 0.3196 - accuracy: 0.
7902 - val_loss: 0.5550 - val_accuracy: 0.6733 - lr: 0.0063
Epoch 354/1000
1/11 [=>.....] - ETA: 0s - loss: 0.4533 - accuracy: 0.6562
Epoch 354: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3204 - accuracy: 0.
7874 - val_loss: 0.5551 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 355/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3399 - accuracy: 0.7500
Epoch 355: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3213 - accuracy: 0.
7902 - val_loss: 0.5579 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 356/1000
1/11 [=>.....] - ETA: 0s - loss: 0.2807 - accuracy: 0.7500
Epoch 356: val_loss did not improve from 0.47393
11/11 [=====] - 0s 6ms/step - loss: 0.3200 - accuracy: 0.
7902 - val_loss: 0.5499 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 357/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3828 - accuracy: 0.7188
Epoch 357: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3202 - accuracy: 0.
7902 - val_loss: 0.5505 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 358/1000
1/11 [=>.....] - ETA: 0s - loss: 0.1536 - accuracy: 0.9062
Epoch 358: val_loss did not improve from 0.47393
11/11 [=====] - 0s 8ms/step - loss: 0.3193 - accuracy: 0.
7902 - val_loss: 0.5545 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 359/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3707 - accuracy: 0.7500
Epoch 359: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3191 - accuracy: 0.
7874 - val_loss: 0.5588 - val_accuracy: 0.6600 - lr: 0.0063
Epoch 360/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3005 - accuracy: 0.7500
Epoch 360: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3194 - accuracy: 0.
7902 - val_loss: 0.5522 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 361/1000
1/11 [=>.....] - ETA: 0s - loss: 0.2750 - accuracy: 0.8125
Epoch 361: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3209 - accuracy: 0.
7902 - val_loss: 0.5523 - val_accuracy: 0.6733 - lr: 0.0063
Epoch 362/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3472 - accuracy: 0.7500
Epoch 362: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3228 - accuracy: 0.
7845 - val_loss: 0.5580 - val_accuracy: 0.6533 - lr: 0.0063
Epoch 363/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3611 - accuracy: 0.7812
Epoch 363: val_loss did not improve from 0.47393
11/11 [=====] - 0s 8ms/step - loss: 0.3207 - accuracy: 0.
7902 - val_loss: 0.5477 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 364/1000
1/11 [=>.....] - ETA: 0s - loss: 0.3516 - accuracy: 0.7500
Epoch 364: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3206 - accuracy: 0.
7902 - val_loss: 0.5488 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 365/1000
11/11 [=====] - ETA: 0s - loss: 0.3190 - accuracy: 0.7902
Epoch 365: val_loss did not improve from 0.47393
11/11 [=====] - 0s 8ms/step - loss: 0.3190 - accuracy: 0.
7902 - val_loss: 0.5550 - val_accuracy: 0.6733 - lr: 0.0063
```

```

Epoch 366/1000
1/11 [=>........................] - ETA: 0s - loss: 0.3843 - accuracy: 0.7500
Epoch 366: val_loss did not improve from 0.47393
11/11 [=====] - 0s 8ms/step - loss: 0.3188 - accuracy: 0.
7902 - val_loss: 0.5548 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 367/1000
1/11 [=>........................] - ETA: 0s - loss: 0.3016 - accuracy: 0.7500
Epoch 367: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3196 - accuracy: 0.
7874 - val_loss: 0.5551 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 368/1000
1/11 [=>........................] - ETA: 0s - loss: 0.3138 - accuracy: 0.8750
Epoch 368: val_loss did not improve from 0.47393
11/11 [=====] - 0s 8ms/step - loss: 0.3187 - accuracy: 0.
7902 - val_loss: 0.5515 - val_accuracy: 0.6733 - lr: 0.0063
Epoch 369/1000
1/11 [=>........................] - ETA: 0s - loss: 0.2711 - accuracy: 0.8750
Epoch 369: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3191 - accuracy: 0.
7902 - val_loss: 0.5515 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 370/1000
1/11 [=>........................] - ETA: 0s - loss: 0.2927 - accuracy: 0.9062
Epoch 370: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3196 - accuracy: 0.
7874 - val_loss: 0.5571 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 371/1000
1/11 [=>........................] - ETA: 0s - loss: 0.3836 - accuracy: 0.8125
Epoch 371: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3181 - accuracy: 0.
7902 - val_loss: 0.5483 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 372/1000
1/11 [=>........................] - ETA: 0s - loss: 0.3091 - accuracy: 0.8125
Epoch 372: val_loss did not improve from 0.47393
11/11 [=====] - 0s 7ms/step - loss: 0.3189 - accuracy: 0.
7902 - val_loss: 0.5543 - val_accuracy: 0.6600 - lr: 0.0063
Epoch 373/1000
1/11 [=>........................] - ETA: 0s - loss: 0.3610 - accuracy: 0.7812
Epoch 373: val_loss did not improve from 0.47393

Epoch 373: ReduceLROnPlateau reducing learning rate to 0.004409999679774046.
11/11 [=====] - 0s 9ms/step - loss: 0.3191 - accuracy: 0.
7902 - val_loss: 0.5495 - val_accuracy: 0.6667 - lr: 0.0063
Epoch 373: early stopping
Final training accuracy for single layer and [4, 8] nodes 0.790229856967926
Final validation loss for single layer and [4, 8] nodes 0.5495476722717285
Final validation accuracy for single layer and [4, 8] nodes 0.6666666865348816

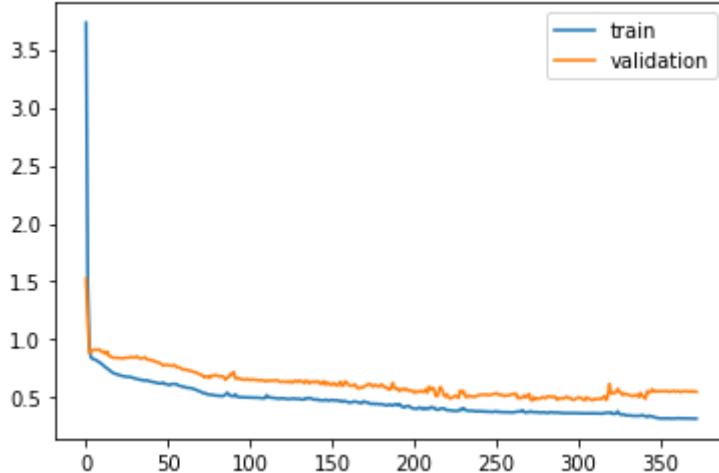
```

```

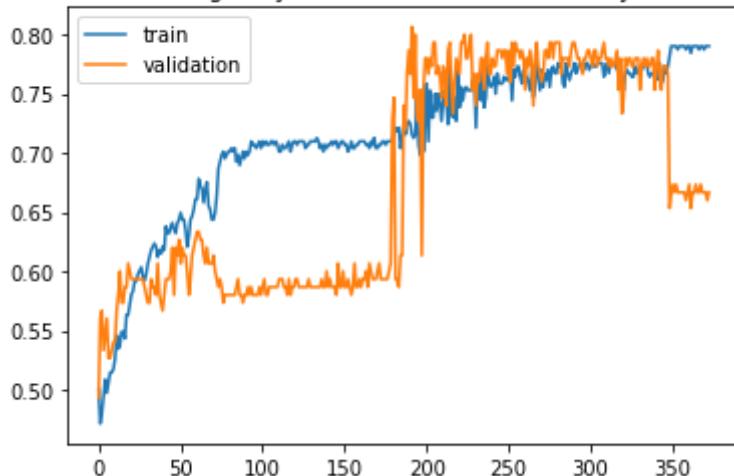
In [53]: plt.title(f'single layer and {node} node : Loss')
plt.plot(model.history['loss'], label='train')
plt.plot(model.history['val_loss'], label='validation')
plt.legend()
plt.show()
plt.title(f'single layer and {node} node: Accuracy')
plt.plot(model.history['accuracy'], label='train')
plt.plot(model.history['val_accuracy'], label='validation')
plt.legend()
plt.show()

```

single layer and [4, 8] node : Loss



single layer and [4, 8] node: Accuracy



In [54]: Evaluation_summary

Out[54]:	NumOfHiddenLayer	NumOfNode	Train Loss	Train Accuracy	Validation Loss	Validation Accuracy
	0	1	[4, 8]	0.31907	0.79023	0.549548

In [55]:

```
testLoss, testAccuracy = NN_model.evaluate( X_test, y_test)
print('loss and accuracy for validation set are {testLoss} and {testAccuracy}')
```

```
5/5 [=====] - 0s 4ms/step - loss: 0.5495 - accuracy: 0.6666667
loss and accuracy for validation set are {testLoss} and {testAccuracy}
```

In [56]:

```
from sklearn.metrics import classification_report,confusion_matrix
```

```
y_pred = NN_model.predict(X_test)
y_pred = np.array(y_pred)
y_pred = (y_pred > 0.5).astype(np.int)
cm=confusion_matrix(y_test, y_pred)
print(f'Confusion matrix:')
print(cm)
print(f'Classification Report:')
clReport=classification_report(y_test, y_pred)
print(clReport)
```

Confusion matrix:

```
[[74  1]
 [49 26]]
```

Classification Report:

	precision	recall	f1-score	support
0	0.60	0.99	0.75	75
1	0.96	0.35	0.51	75
accuracy			0.67	150
macro avg	0.78	0.67	0.63	150
weighted avg	0.78	0.67	0.63	150

Conclusion:

With feature transformation, we require less nodes in the network architecture to achieve better results as compared to models without feature transformation.

In []: