

VGG16



dog prob 0.02325853519141674, cat prob 0.9767414927482605

XCEPTION

Choose File No file chosen



dog prob 0.10565043985843658, cat prob 0.8943495750427246

MODELO ESCOGIDO POR MI EN FORMATO .ipynb

```
| TrainIndividualipynb | TrainIndividualipynb
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MODELO .ipynb

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▲ test.ipynb ☆
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≣
                                       import numpy as np
Q
                       [ ] with open('model_config.json') as json_file:
{x}
                                              json_config = json_file.read()
                                       model = keras.models.model_from_json(json_config)
model.load_weights('pets_xception_transferlearning.h5')
                        set_ = 'test'
                                       file_ = 'dog.6946.jpg'
                                        file_path = os.path.join(data_path,set_,file_)
                                       print(file_path)

// content/drive/MyDrive/ML_JARH/Data/cats_vs_dogs_small/test/dog.6946.jpg

// content/drive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/MyDrive/My
                        [ ] image = tf.keras.preprocessing.image.load_img(file_path,target_size = (150,150,3))
                                        input_arr = tf.keras.preprocessing.image.img_to_array(image)
                                        input_arr = np.array([input_arr])
                        [ ] pred = tf.keras.activations.sigmoid(model.predict(input_arr))
                                      if pred < 0.5:
                                            label = 'cat'
                                             prob = 1-pred
                                             label = 'dog'
                                             prob = pred
                                       print(f'The pet is a {label} with probability {prob}')
```