Taller #2.

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Imágenes del código: Se implementó el modelo InceptionV3.

```
[ ]  base_model = keras.applications.InceptionV3(
     weights = 'imagenet',
     input_shape = (150,150,3),
     include_top = False,
     )
     base_model.trainable = False
```

```
Downloading data from https://storage.googleapis.com/tensorflow/keras-app
87916544/87910968 [==============================] - 4s 0us/step
87924736/87910968 [==============================] - 4s 0us/step
```

```
[ ]  inputs = keras.Input(shape = (150,150,3))
     x = tf.keras.applications.inception_v3.preprocess_input(inputs)
     x = base_model(x, training=False)
     x = keras.layers.GlobalAveragePooling2D()(x)
     x = keras.layers.Dropout(0.2)(x)
     outputs = keras.layers.Dense(1)(x)
     model = keras.Model(inputs,outputs)
```

```
json_config = model.to_json()
with open('model_config.json', 'w') as json_file:
 json_file.write(json_config)
 model.save_weights('pets_InceptionV3_transferlearning.h5')
```

Interfaz: Prueba del modelo

PetClassifier App

Welcome to the Pet Classifier App

Seleccionar archivo Ninguno archivo selec.

Upload

dog prob 0.9443210363388062, cat prob 0.05567896366119385