

Predicción de clasificación de imágenes con MobileNetV2



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Untitled0.ipynb ☆
Archivo Editar Ver Insertar Entorno de ejecución Herramientas Ayuda Se guardaron todos los cambios

Archivos
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│   ├── datalab
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└── {x}

+ Código + Texto

import numpy as np
import tensorflow as tf
from tensorflow import keras

# Load pretrained model
model = tf.keras.applications.MobileNetV2(include_top=True, weights='imagenet')

# Load and preprocess image
img = keras.preprocessing.image.load_img('/content/panda.jpeg', target_size=(224, 224))
x = keras.preprocessing.image.img_to_array(img)
x = np.expand_dims(x, axis=0)

# Preprocess input for MobileNetV2
x = tf.keras.applications.mobilenet_v2.preprocess_input(x)

# Make predictions
preds = model.predict(x)

# Decode predictions
decoded_preds = keras.applications.mobilenet_v2.decode_predictions(preds, top=1)[0]
print(decoded_preds)

1/1 [=====] - 1s 869ms/step
[('n02510455', 'giant_panda', 0.34994024)]
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[crayon-6a9d57f43ce1c708438370/]