

Code and demo in action

Tuesday, July 21, 2020 12:02 PM



```
COM3 - PuTTY
mende1@undefined-ef:~/coral/tflite/python/examples/classification/Auto_benchmark$ python3 auto_benchmark.py
/usr/bin/snapshot:20: PyGIDeprecationWarning: Since version 3.11, calling thread
s_init is no longer needed. See: https://wiki.gnome.org/PyGObject/Threading
  GObject.threads_init()
Press space to take a snap, r to refocus, or q to quit

/usr/bin/snapshot:117: PyGIDeprecationWarning: GObject.MainLoop is deprecated; u
se GLib.MainLoop instead
  loop = GObject.MainLoop()
[ 4206.159028] skip frame 1
Saving image: img0000.jpg
```

```
COM3 - PuTTY
Saving image: img0000.jpg

Labels: imagenet_labels.txt

Model: efficientnet-net-edgetpu-S_quant_edgetpu.tflite

Image: img0000.jpg

*The first inference on Edge TPU is slow because it includes loading the model i
nto Edge TPU memory*
Time(ms): 22.9
Time(ms): 5.6

Inference: ballpoint, ballpoint pen, ballpen, Biro
Score: 0.53516

Labels: imagenet_labels.txt

Model: efficientnet-net-edgetpu-M_quant_edgetpu.tflite

Image: img0000.jpg

*The first inference on Edge TPU is slow because it includes loading the model i
nto Edge TPU memory*
Time(ms): 29.6
Time(ms): 10.9

Inference: ballpoint, ballpoint pen, ballpen, Biro
Score: 0.45703

Labels: imagenet_labels.txt
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COM3 - PuTTY

Labels: imagenet_labels.txt

Model: efficientnet-edgetpu-l_quant_edgetpu.tflite

Image: img0000.jpg

The first inference on Edge TPU is slow because it includes loading the model into Edge TPU memory
Time (ms): 45.6
Time (ms): 30.7

Inference: ballpoint, ballpoint pen, ballpen, Biro
Score: 0.93750

Labels: imagenet_labels.txt

Model: inception_v3_299_quant_edgetpu.tflite

Image: img0000.jpg

The first inference on Edge TPU is slow because it includes loading the model into Edge TPU memory
Time (ms): 69.0
Time (ms): 51.3

Inference: ballpoint, ballpoint pen, ballpen, Biro
Score: 0.99609

COM3 - PuTTY

Labels: imagenet_labels.txt

Model: inception_v4_299_quant_edgetpu.tflite

Image: img0000.jpg

The first inference on Edge TPU is slow because it includes loading the model into Edge TPU memory
Time (ms): 122.0
Time (ms): 101.3

Inference: ballpoint, ballpoint pen, ballpen, Biro
Score: 0.98828

Labels: imagenet_labels.txt

Model: inception_v2_224_quant_edgetpu.tflite

Image: img0000.jpg

The first inference on Edge TPU is slow because it includes loading the model into Edge TPU memory
Time (ms): 35.4
Time (ms): 16.7

Inference: ballpoint, ballpoint pen, ballpen, Biro
Score: 0.97266

COM3 - PuTTY

Labels: imagenet_labels.txt

Model: mobilenet_v2_1.0_224_quant_edgetpu.tflite

Image: img0000.jpg

The first inference on Edge TPU is slow because it includes loading the model into Edge TPU memory
Time (ms): 13.7
Time (ms): 3.3

Inference: ballpoint, ballpoint pen, ballpen, Biro
Score: 0.91016

Labels: imagenet_labels.txt

Model: mobilenet_v1_1.0_224_quant_edgetpu.tflite

Image: img0000.jpg

The first inference on Edge TPU is slow because it includes loading the model into Edge TPU memory
Time (ms): 13.9
Time (ms): 2.8

Inference: paintbrush
Score: 0.39453

```

Labels: imagenet_labels.txt

Model: inception_v1_224_quant_edgetpu.tflite

Image: img0000.jpg

*The first inference on Edge TPU is slow because it includes loading the model i
nto Edge TPU memory*
Time(ms): 21.7
Time(ms): 4.1

Inference: ballpoint, ballpoint pen, ballpen, Biro
Score: 0.69141

TPU temp(°C): 59.05
#####

Initializing Elasticsearch...
Initializing the mapping ...

helpers.bulk() RESPONSE: (1, [])
RESPONSE TYPE: <class 'tuple'>

Photo has been deleted
mendel@undefined-ef:~/coral/tflite/python/examples/classification/Auto_benchmark$

```

