Go to /host_lib/python/examples

Use gedit dme_keras.py to open dme_keras.py

Remove the "#" from marked line

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                                                         *dme_keras.py
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This is the example for dme keras single test.
from python_wrapper import kdp_wrapper
import numpy as np
from keras.applications.mobilenet v2 import preprocess input, decode predictions
def top_indexes(preds, n):
    sort_preds = np.sort(preds,1)
    sort_preds = np.flip(sort_preds)
    sort_index = np.argsort(preds,1)
   sort_index = np.flip(sort_index)
   for i in range(0, n):
        print(sort_index[0][i], sort_preds[0][i])
    return
def user_test_single_dme(dev_idx):
    """Test single dme.""
    # load model into Kneron device
    model_path = "../test_images/dme_mobilenet"
    kdp_wrapper.kdp_dme_load_model(dev_idx, model_path)
    #get test images ready
    img_path = './data/images/index.jpeg'
img_path2 = './data/images/car.jpeg'
    npraw_data = kdp_wrapper.kdp_inference(dev_idx, img_path)
    # Do postprocessing with keras
    preds = kdp wrapper.softmax(npraw data[0]).reshape(1, 1000)
    top_indexes(preds, 3)
                            decode predictions(preds, top=3)[0])
    npraw_data = kdp_wrapper.kdp_inference(dev_idx, img_path2)
    # Do postprocessing with keras
    preds = kdp_wrapper.softmax(npraw_data[0]).reshape(1, 1000)
    top_indexes(preds, 3)
    #print('\nPredicted:', decode_predictions(preds, top=3)[0])
    kdp wrapper.kdp exit dme(dev idx)
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   top_indexes(preds, 3)
   print('\nPredicted:', decode_predictions(preds, top=3)[0])
   kdp_wrapper.kdp_exit_dme(dev_idx)
```

Download two images into /host_lib/python/data/images , and change the marked line to downloaded images' name

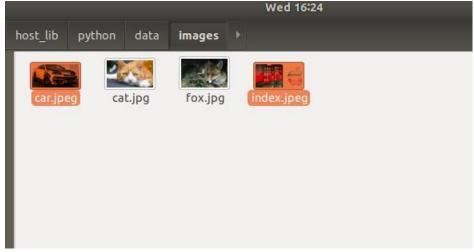
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'./data/images/index.jpeg' ''./data/images/car.jpeg'







Go back to /host_lib/python and enter python3 main.py -t dme_keras

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lib python examples >
                                             Kneron@ubuntu: ~/host lib/python
File Edit View Search Terminal Help
(neron@ubuntu:~/host_lib/python/examples$ gedit dme keras.py
Cneron@ubuntu:~/host_lib/python/examples$ cd ..

Cneron@ubuntu:~/host_lib/python$ python3 main.py -t dme_keras

Jsing TensorFlow backend.
fopen failed when opening log file:/tmp/mzt.log.
adding devices....
start kdp host lib....
Task: dme_keras
Loading models to Kneron Device:
starting DME mode ...
DME mode succeeded...
Model loading successful
starting DME configure ...
DME configure model [1000] succeeded...
./data/images/index.jpeg
505 0.23588217673715595
761 0.20637830094575893
590 0.09257153560848623
Predicted: [('n03584254', 'iPod', 0.23588217673715595), ('n04074963', 'remote_control', 0.20
53783009457893), ('n03485407', 'hand-held_computer', 0.09257153560848623)]
./data/images/car.jpeg
317 0.5867472960605257
751 0.1762670961150487
479 0.04632978754911532
Predicted: [('n04285008', 'sports_car', 0.5867472960605257), ('n04037443', 'racer', 0.176267
0961150487), ('n02974003', 'car_wheel', 0.04632978754911532)]
de init kdp host lib....
(neron@ubuntu:~/host_lib/python$
```