**Instructions for Pre-Trained MobileNet V2 model**

**NOTE:** These numbers are the references as included in our github repo. The pretrained model has been adapted from [7] and the model V2 has been taken from [17].

Follow this for implementing a pre-trained model [7]: https://github.com/EdjeElectronics/TensorFlow-Lite-Object-Detection-on-Android-and-Raspberry-Pi/blob/master/Raspberry\_Pi\_Guide.md

**Pre-trained Model**

1. Open a git bash
2. Type:  
   git clone <https://github.com/EdjeElectronics/TensorFlow-Lite-Object-Detection-on-Android-and-Raspberry-Pi.git>
3. Then type:

mv TensorFlow-Lite-Object-Detection-on-Android-and-Raspberry-Pi tflite2

cd tflite2

1. After that, open command prompt:

sudo pip3 install virtualenv

python3 -m venv tflite1-env

source tflite1-env/bin/activate

1. Type:

bash get\_pi\_requirements.sh

1. Place the MV2\_folder present in our github repo in tflite2

1. Issue the command python3 TFLite\_detection\_webcam.py --modeldir=MV2\_folder for live web-streaming
2. You may issue the corresponding commands for audio and video. You can specify specific images and videos as --image=img.jpg and --video=video.mp4 respectively. Just don’t add any quotes “”