Install pyhton 3& then use this command to allow for python virtual environments: sudo apt-get install python3-veny # Then, create a folder of your choice and use the following command to duplicate a version of your # python into this folder. Then, the original python will not get damaged: python3 -m venv /home/christiaan/Desktop/TensorFlow # Then activate the virtual environment by using: source /home/christiaan/Desktop/TensorFlow/bin/activate # this means that pip-install goes now into the new folder instead of to the linux core python. # NB: both python & python3 now point to the virtual environment. This environment is python 3 # since you used python3-command to create it. For this reason: pip & pip3 also now work both # with python3 inside this environment. # Now, to install TensorFlow into the virtual environment, give the following command, but ONLY # when the environment is active: pip install tensorflow # There may be a few errors including bdist_wheel etc. but they do not affect functionality. # To test tensorflow, open python with the command python # and then give: import tensorflow as tf # the command python -c 'import tensorflow as tf' (with '' marks) will also do both at the same time. # the command deactivate # will shut down the current virtual environment. NB: TensorFlow will NOT work outside of this virtual environment! # to install Keras on top of TensorFlow, make sure you have the virtual environment active and then pip install keras # also install: pip install numpy pip install scipy # to test Keras: # open python and give: import keras as ks # you do not need to import numpy, scipy, TensorFlow first before doing this.

To faciliate use of the vitrtual environment, open your .bashrc and add the following line: alias TensorFlow="source /home/christiaan/Desktop/TensorFlow/bin/activate" # and then reload your .bashrc # you can now activate the virtual environment including the TensorFlow by the command TensorFlow

and then deactivate it by the deactivate-command. It will work fromeach working directory.
NB: Within each terminal shell, only one virtual environment can be active at a time. But multiple shells can run different environments in parallel.

Python 3.7 async error:

All you need to do is change the argument "async" to something else in "/usr/local/lib/python3.7/site-packages/tensorflow/python/pywrap_tensorflow_internal.py" in the function definition and return..