Dealing with TensorFlow incompatibility with Python 3.7

1) Install the latest version of Anaconda/Miniconda from the website

2) Once Anaconda/Miniconda has been downloaded you must create a Python 3.6 environment. Not all TensorFlow 2.0 packages currently (as of July 2019) support Python 3.7. So you must execute the following commands( In the Anaconda Prompt)

**conda create -y --name tensorflow python=3.6**

3) To enter this environment, you must use the following command (for Windows), this command must be done every time you open a new Anaconda/Miniconda terminal window:

For windows:

**activate tensorflow**

For Mac:

**source activate tensorflow**

4) Installing Jupyter: It is easy to install Jupyter notebooks with the following command:

**conda install -y jupyter**

Once Jupyter is installed, it is started with the following command:

**jupyter notebook**

5) Installing packages:

Install these packages first(one by one)

**conda install -y scipy**

**pip install --exists-action i --upgrade sklearn**

**pip install --exists-action i --upgrade pandas**

**pip install --exists-action i --upgrade pandas-datareader**

**pip install --exists-action i --upgrade matplotlib**

**pip install --exists-action i --upgrade pillow**

**pip install --exists-action i --upgrade tqdm**

**pip install --exists-action i --upgrade requests**

**pip install --exists-action i --upgrade h5py**

**pip install --exists-action i --upgrade pyyaml**

**pip install --exists-action i --upgrade tensorflow\_hub**

**pip install --exists-action i --upgrade bayesian-optimization**

**pip install --exists-action i --upgrade spacy**

**pip install --exists-action i --upgrade gensim**

**pip install --exists-action i --upgrade flask**

**pip install --exists-action i --upgrade boto3**

**pip install --exists-action i --upgrade gym**

**pip install --exists-action i --upgrade tf-nightly-2.0-preview**

**pip install --exists-action i --upgrade keras-rl2 --user**

**conda update -y --all**

6) Installing Keras/TensorFlow/XGBoost

**pip install --exists-action i --upgrade keras**

**pip install --exists-action i --upgrade tensorflow**

**pip install --exists-action i --upgrade xgboost**