# Steps for installing Tensor Flow and Keras for windows

Currently tensor flow 2.0 is not supported by python 3.7 therefore we need another environment in our anaconda distribution where we have python 3.6 instead of python 3.7. The environment can be made through the anaconda navigator as well as the anaconda prompt.

Its recommended to use the anaconda prompt because its difficult in the navigator to create appropriate channels where the latest versions of some packages are available. They have to searched on the internet and then added to the channels list before they can be used for installing the latest versions

First of all, open the anaconda prompt

1. Create a conda environment that uses python 3.6 using the following command

conda create -y --name tensorflow python=3.6

1. Activate the environment

activate tensorflow

1. Install the recommended packages with the code to install are given below

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 tensorflow==2.0.0-rc0

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

conda update -y –all

Once all of them are installed in the tensor flow environment. The new environment will be added to the Anaconda Navigator GUI and each time we want to use tensorflow we can easily chose the environment from the navigator.

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