

# Software Installation Instructions for the Data Programming in Python Course

## Install Anaconda and Python Packages

### Mac Users

1. Go to <https://www.anaconda.com/download/> and download the latest version of Anaconda for MacOS that supports Python 3.7.
2. Install the downloaded package. Make sure to **register Anaconda as your default Python 3.7**. Refer to <https://docs.anaconda.com/anaconda/install/mac-os/> for more details.
3. Launch the **Terminal app** that is typically located in Applications > Utilities > Terminal.
4. Enter the following on the command line:

```
pip install -U ipywidgets matplotlib nltk notebook numpy pandas sklearn tensorflow  
textblob
```

This may take a few minutes to complete. Make sure all packages have been successfully installed.

5. Enter the following on the command line:

```
jupyter notebook
```

6. This will launch a new web browser window. If you see a Jupyter logo at the top left of the browser, you can think Jupyter Notebook is running well.
7. Go back to the Terminal app and shutdown the Jupyter Notebook server by pressing ctrl+c followed by y(es).

### Windows Users

1. Go to <https://www.anaconda.com/download/> and download the latest version of Anaconda for Windows that supports Python 3.7.
2. Install the downloaded package. Make sure to **register Anaconda as your default Python 3.7**. Refer to <https://docs.anaconda.com/anaconda/install/windows/> for more details.
3. Launch the **Anaconda Prompt** that is typically located in Start > Anaconda3 > Anaconda Prompt.
4. Enter the following on the command line:

```
pip install -U ipywidgets matplotlib nltk notebook numpy pandas sklearn tensorflow  
textblob
```

This may take a few minutes to complete. Make sure all packages have been successfully installed.

5. Enter the following on the command line:

```
jupyter notebook
```

6. This will launch a new web browser window. If you see a Jupyter logo at the top left of the browser, you can think Jupyter Notebook is running well.
7. Go back to the Anaconda Prompt and shutdown the Jupyter Notebook server by pressing ctrl+c followed by y(es).