

For installation of all the libraries and modules open the **command prompt as administrator** and run the suitable commands.

Installing all the libraries with the latest versions will work correctly. Although here are the versions of the libraries installed in our system.

1. **Numpy** - **Version** > 1.6.1, **Preferred** - 1.18.4
2. **Pandas** - **Version** >= 0.23.4
3. **Tensorflow** - **Version** > 2.0, **Preferred** - 2.1.0

Tensorflow is a library that needs to be installed carefully because it depends upon various versions of different packages. Following is the link to the official website of the TensorFlow for its installation. Look for the environment which suits your PC best.

<https://www.tensorflow.org/install>

For TensorFlow CPU installation -

- Run the command - “pip install --upgrade tensorflow”. This will work or you can also refer to the following video: <https://www.youtube.com/watch?v=s4Lcf9du9L8>
- Also for Tensorflow-GPU installation (**NOT NEEDED FOR OUR PROJECT**), following is a video: <https://www.youtube.com/watch?v=qrkEYf-YDyl&t=1582s>

4. **Tensorflow\_hub** - **Version** > 0.6, **Preferred** - 0.8.0, **Command** - “pip install --upgrade tensorflow-hub”
5. **Spacy** - **Version** >= 2.1.9, **Command** - “pip install spacy”
6. **En\_core\_web\_md** - **run the command** - “python -m spacy download en\_core\_web\_sm”
7. **Watchdog** - “pip install watchdog”
8. **csv** - **Version** >= 1.0, **command** - “pip install csv”
9. **Textract** - “pip install textract”
10. **Matplotlib** - No specific version needed - download the latest one by using - “pip install matplotlib”