

SOFTWARE/HARDWARE LIST:-

Chapter number	Software required	Hardware specifications	OS required
1	N/A	N/A	N/A
2	N/A	N/A	N/A
3	Python 2.7/3.5 – SciPy 0.18 – Numpy 1.11 – Matplotlib 2.0 – Scikit-Learn 0.17	8 GB RAM	Windows/Linux/Mac
4	Python 2.7/3.5 – SciPy 0.18 – Numpy 1.11 – Matplotlib 2.0 – Scikit-Learn 0.17	8 GB RAM	Windows/Linux/Mac
5	Python 2.7/3.5 – SciPy 0.18 – Numpy 1.11 – Matplotlib 2.0 – Scikit-Learn 0.17	8 GB RAM	Windows/Linux/Mac
6	Python 2.7/3.5 – SciPy 0.18 – Numpy 1.11 – Matplotlib 2.0 – Scikit-Learn 0.17	8 GB RAM	Windows/Linux/Mac
7	Python 2.7/3.5 – SciPy 0.18 – Numpy 1.11 – Matplotlib 2.0 – Scikit-Learn 0.17	8 GB RAM	Windows/Linux/Mac
8	Python 2.7/3.5 – SciPy 0.18 – Numpy 1.11 – Matplotlib 2.0 – Scikit-Learn 0.17	8 GB RAM	Windows/Linux/Mac
9	Python 2.7/3.5 – SciPy 0.18 – Numpy 1.11 – Matplotlib 2.0 – Scikit-Learn 0.17	8 GB RAM	Windows/Linux/Mac
10	Python 2.7/3.5 – SciPy 0.18 – Numpy 1.11 – Matplotlib 2.0 – Scikit-Learn 0.17	8 GB RAM	Windows/Linux/Mac
11	Python 2.7 (for Crab)/3.5 – SciPy 0.18 – Numpy 1.11 – Matplotlib 2.0 – Scikit-Learn 0.17 – Crab – Scikits.Learn – Spark 2.0+	8-16 GB RAM	Windows/Linux/Mac
12	Python 2.7/3.5 – SciPy 0.18 – Numpy 1.11 – Matplotlib 2.0 – Scikit-Learn 0.17 – NLTK 3	8-16 GB RAM	Windows/Linux/Mac
13	Python 2.7/3.5 – SciPy 0.18 – Numpy 1.11 – Matplotlib 2.0 – Scikit-Learn 0.17 – NLTK 3	8-16 GB RAM	Windows/Linux/Mac
14	Python 2.7/3.5 – SciPy 0.18 – Numpy 1.11 –	8-16 GB RAM (NVIDIA GPU is recommended)	Windows/Linux/Mac

	Matplotlib 2.0 – Scikit-Learn 0.17 – Tensorflow 1.0+, Keras 2+ (w Theano/Tensorflow)		
15	Python 2.7/3.5 – SciPy 0.18 – Numpy 1.11 – Matplotlib 2.0 – Scikit-Learn 0.17	8 GB RAM	Windows/Linux/Mac