

# SOFTWARE/HARDWARE LIST:-

Chapter Name	Chapter number	Software required (With version)	Hardware specifications	OS required
Getting Started with Python and Machine Learning	1	<ul style="list-style-type: none"> <li>None</li> </ul>	64 bit architecture, 2 GHz CPU, 4GB RAM, at least 2GB of hard disk space available	Windows, Mac, or Linux
Exploring the 20 Newsgroups Dataset with Text Analysis Algorithms	2	<ul style="list-style-type: none"> <li>Scikit-learn 0.18.0</li> <li>Numpy 1.1</li> <li>Matplotlib 1.5.1</li> <li>Seaborn 0.7.1</li> <li>Scipy 0.18.1</li> <li>Pandas 0.19.2</li> <li>NLTK 3.2.2</li> </ul>	64 bit architecture, 2 GHz CPU, 4GB RAM, at least 2GB of hard disk space available	Windows, Mac, or Linux
Spam email detection with Naïve Bayes	3	<ul style="list-style-type: none"> <li>Scikit-learn 0.18.0</li> <li>Numpy 1.1</li> <li>NLTK 3.2.2</li> <li>Matplotlib 1.5.1</li> </ul>	64 bit architecture, 2 GHz CPU, 4GB RAM, at least 2GB of hard disk space available	Windows, Mac, or Linux
News topic classification with Support Vector Machine	4	<ul style="list-style-type: none"> <li>Scikit-learn 0.18.0</li> <li>Numpy 1.1</li> <li>NLTK 3.2.2</li> <li>Matplotlib 1.5.1</li> <li>Pandas 0.19.2</li> </ul>	64 bit architecture, 2 GHz CPU, 4GB RAM, at least 2GB of hard disk space available	Windows, Mac, or Linux
Click-through prediction with tree-based algorithms	5	<ul style="list-style-type: none"> <li>Scikit-learn 0.18.0</li> <li>Numpy 1.1</li> <li>Matplotlib 1.5.1</li> <li>GraphViz</li> </ul>	64 bit architecture, 2 GHz CPU, 8GB RAM, at least 8GB of hard disk space available	Windows, Mac, or Linux
Click-through prediction with logistic regression	6	<ul style="list-style-type: none"> <li>Scikit-learn 0.18.0</li> <li>Numpy 1.1</li> <li>Matplotlib 1.5.1</li> </ul>	64 bit architecture, 2 GHz CPU, 8GB RAM, at least 8GB of hard disk space available	Windows, Mac, or Linux
Stock prices prediction with regression algorithms	7	<ul style="list-style-type: none"> <li>Scikit-learn 0.18.0</li> <li>Numpy 1.1</li> <li>Matplotlib 1.5.1</li> <li>Quandl Python API</li> <li>Pandas 0.19.2</li> </ul>	64 bit architecture, 2 GHz CPU, 4GB RAM, at least 2GB of hard disk space available	Windows, Mac, or Linux
Best practices	8	<ul style="list-style-type: none"> <li>Scikit-learn 0.18.0</li> <li>Numpy 1.1</li> </ul>	64 bit architecture, 2 GHz CPU, 4GB RAM, at least 2GB of hard disk space available	Windows, Mac, or Linux