Software Hardware List

Chapter number	Software required (With version)	Free/Proprietary	If proprietary, can code testing be performed using a trial version	If proprietary, then the cost of the software	Download links to the software	Hardware specifications	OS required
All	Ubuntu 16.04 LTS	Free	-	-	`https://www.ubuntu.com/download/desktop`	CPU with good processing power, 8GB RAM, 500 TB HDD (GPU preferred)	Ubuntu 16.04 LTS
4,5	Quandl - Shardar Core US Equities Fundamental	Proprietary	Y	Personal Subscription - data for personal development	`https://www.quandl.com/databases/SFA`	-	
6,7	Quandl - Shardar Fund Price	Proprietary	Y	Personal Subscription - data for personal development	`https://www.quandl.com/databases/SFP`	-	
7	Twitter Search	Proprietary	Y	Premium API	`https://developer.twitter.com/en/pricing.html`	-	
All	Python 3.5+	Free	-	-	`https://www.python.org/`	-	
5-9	SQLite 3.11	Free	-	-	`http://wiki.ubuntu.org.cn/Sqlite`	-	Ubuntu 16.04 LTS

8	MongoDB Community Edition 1.2.6.10	Free	-	-	`https://www.mongodb.com/`	-	Ubuntu 16.04 LTS
7,9	Neo4j Community Version	Free	-	-	`http://debian.neo4j.org`	-	Ubuntu 16.04 LTS

Versioning mentioned does not matter so far. Best to use the latest stable version.

Detailed installation steps (software-wise)

The steps should be listed in a way that it prepares the system environment to be able to test the codes of the book.

1. Ubuntu:

   - For beginners, tither install dual-boot with your Mac or Windows for quick recovery

2. Subscription to data:

   - Subscribe when appropriate or replace by open source dataset

3. Installation of Databases:

   - SQLite, MongoDB, and Neo4j each represents a unique type of database