

# INTERMEDIATE DATA SCIENCE LEARNING PLAN FOR 2017

Advance your data science learning

## Assessing your technical & structured thinking skills

January

➔ Go through the Question from the Bellow Skills

- Statistics II
- R for Data Science
- Python for Data Science
- Machine Learning
- Regression
- Tree-based algorithm
- SQL



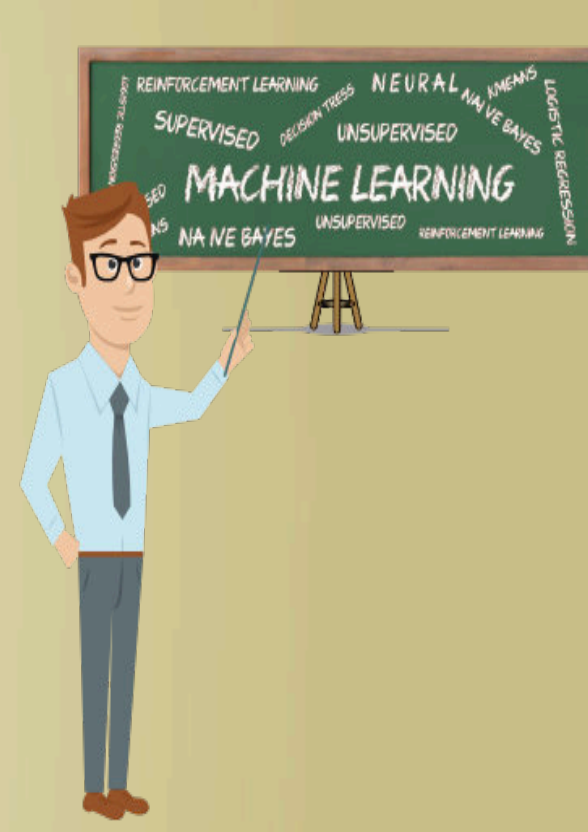
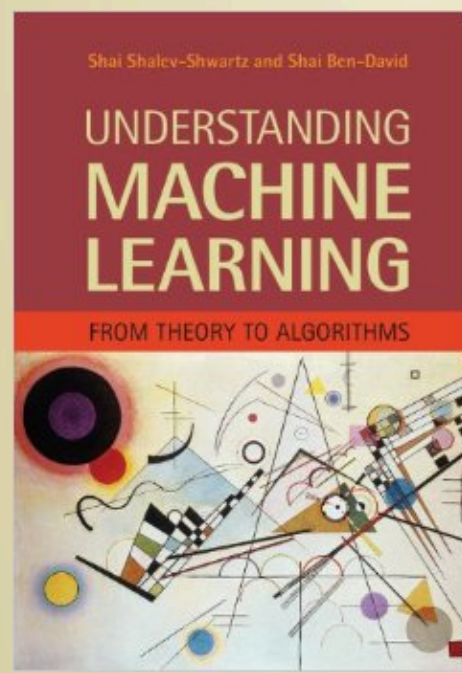
➔ Structure thinking Guides by Analytics Vidhya

## Few more ML algorithms

Feb

- Online methods in Machine Learning by MIT
- Blogs by Lanfordhunch.net
- Tutorial by John Langford
- Online Learning by University of Washington

### Book

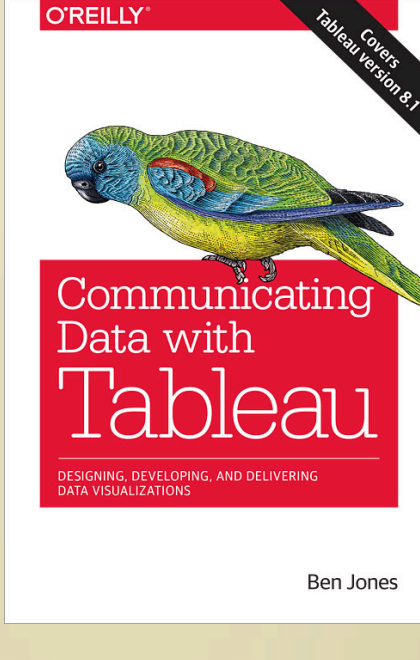
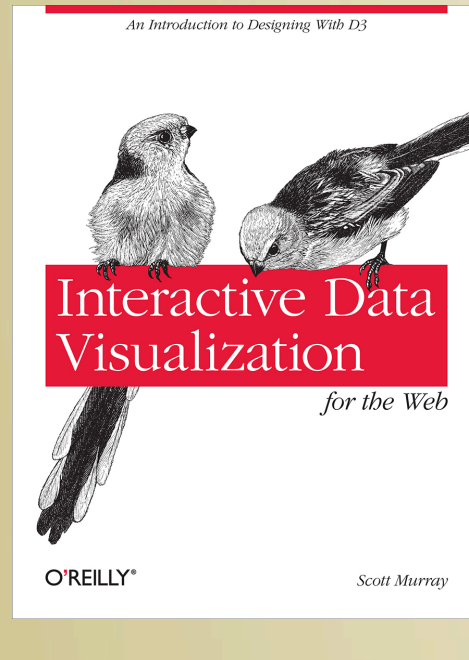


## Pick up a data visualization tool

March

- Data visualization and d3.js course by udacity
- Data visualization & communication in Tableau
- Dashing d3.js coding tutorial
- Guide on d3.js & Qlikview by Analytics Vidhya

### Book

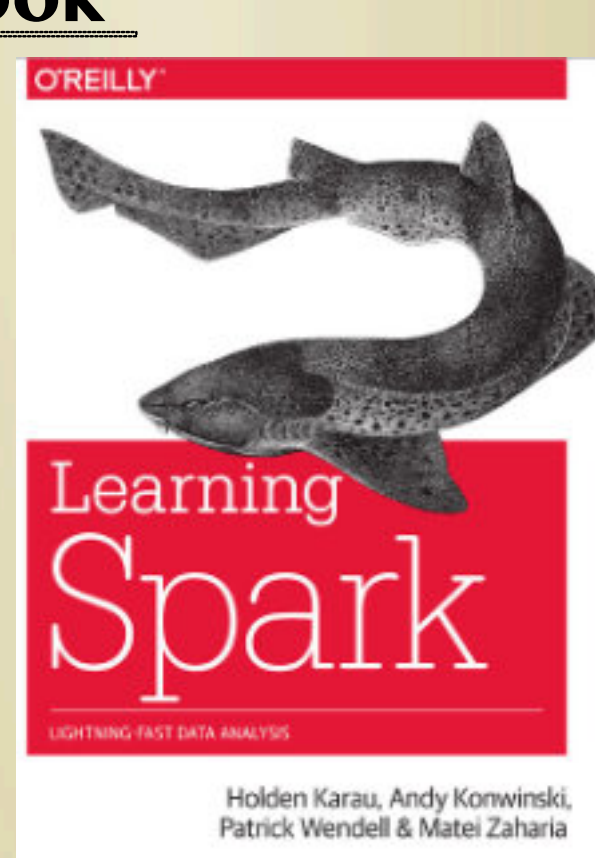
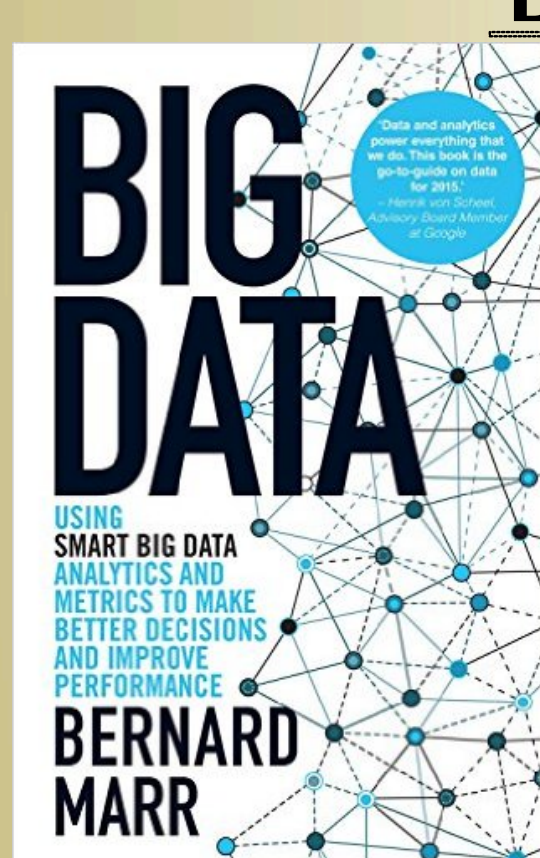


## Big Data tools and techniques

April

- Introduction to Big Data by University of California
- Big Data analysis with Apache Spark by edX
- Tools – H2O, SparkR, PySpark

### Book



## Deep Learning Basics & Advanced

May - Aug

- Machine Learning by Andrew Ng
- Deep Learning by Google | Udacity
- Deep learning by Oxford
- Deep Learning Summer School by Montreal
- Deep Learning for Computer Vision Guides by Analytics Vidhya & Stanford
- Deep Learning for NLP Guides by Analytics Vidhya & Stanford
- Deep Learning for Speech & Audio Guides by Baidu & NYU

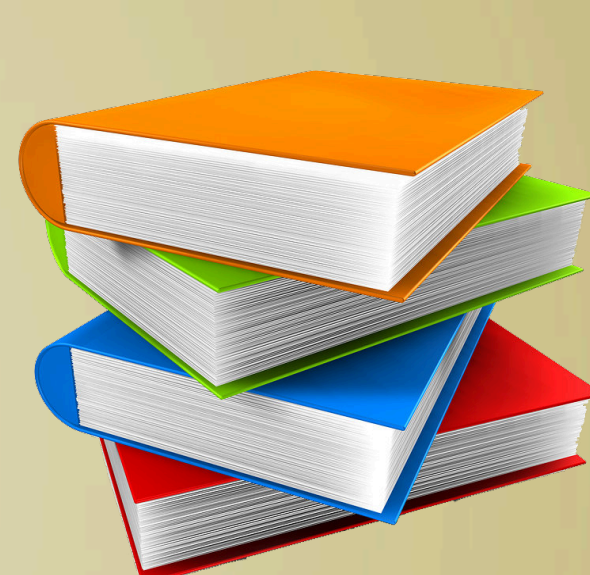
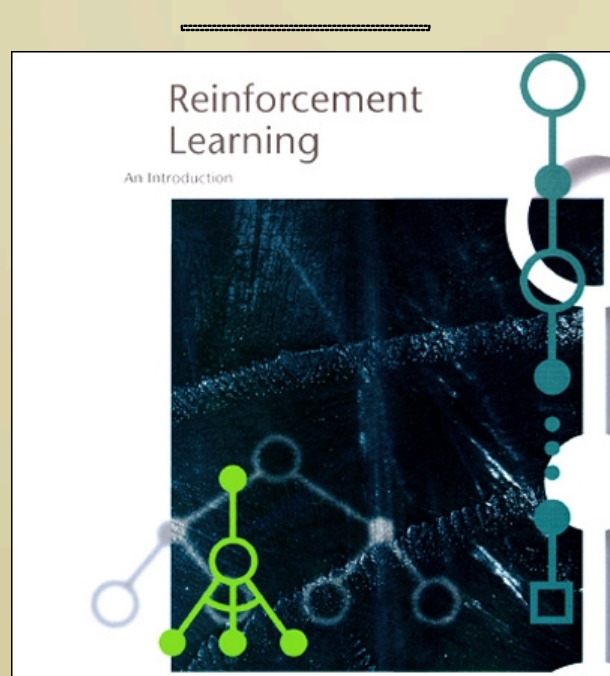


## Reinforcement Learning

Sept - Oct

- Machine Learning Reinforcement Learning Course by Udacity
- Reinforcement Learning Course by UCL
- Reinforcement learning introductory codes

### Book



## Web frameworks & Cloud Computing

Nov- Dec

- Web Frameworks
- Flask – official documentation
- Mega tutorial on flask
- Python web application using flask

### Cloud Computing

- Microsoft Azure
- Google Cloud Platform
- AWS



All the Best!

For More Amazing Infographics , Visit  
<http://www.analyticsvidhya.com>