

INTERMEDIATE DATA SCIENCE LEARNING PLAN FOR 2017

Advance your data science learning

Assessing your technical & structured thinking skills

January

- ➡ Go through the Questions from the Below SKILtests

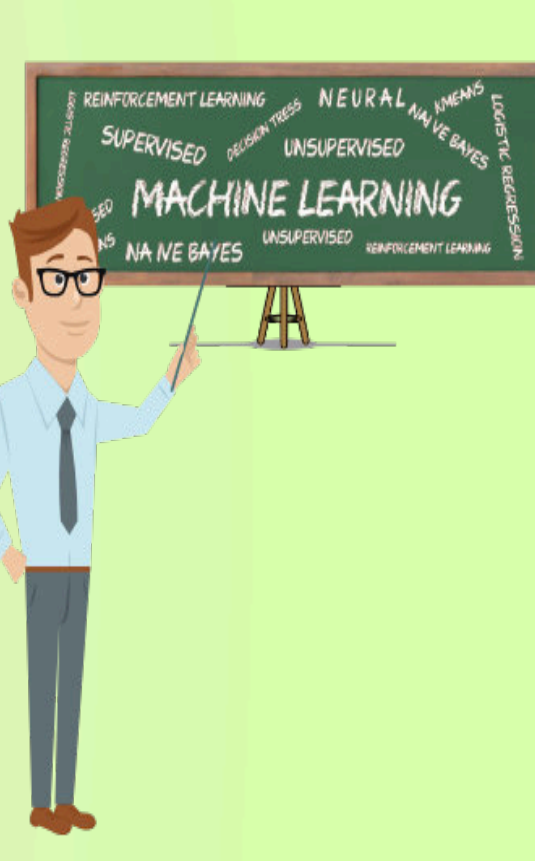
- Statistics II
- R for Data Science
- Python for Data Science
- Machine Learning
- Regression
- Tree-based algorithm
- SQL



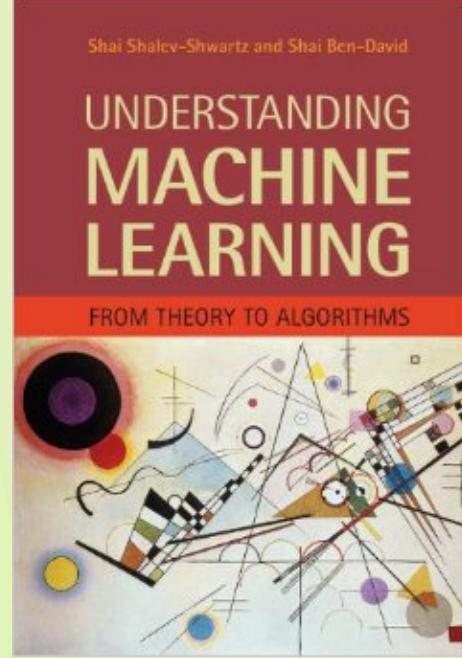
➡ Structured thinking Guides by Analytics Vidhya

Few more ML algorithms

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



Book

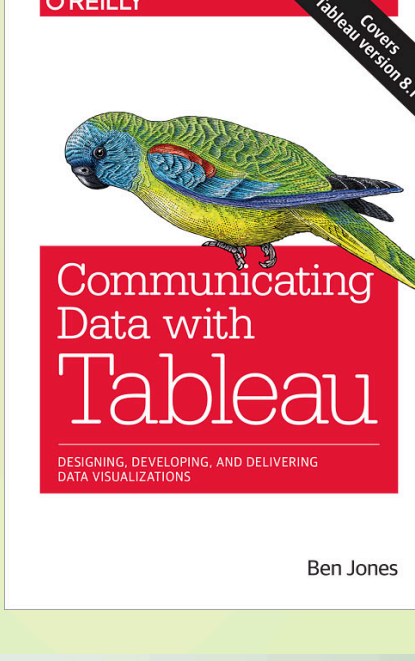
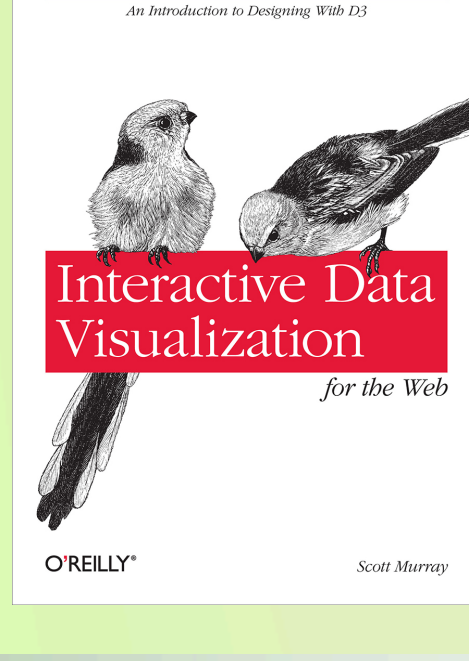


「Pick up a data visualization tool」

- 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

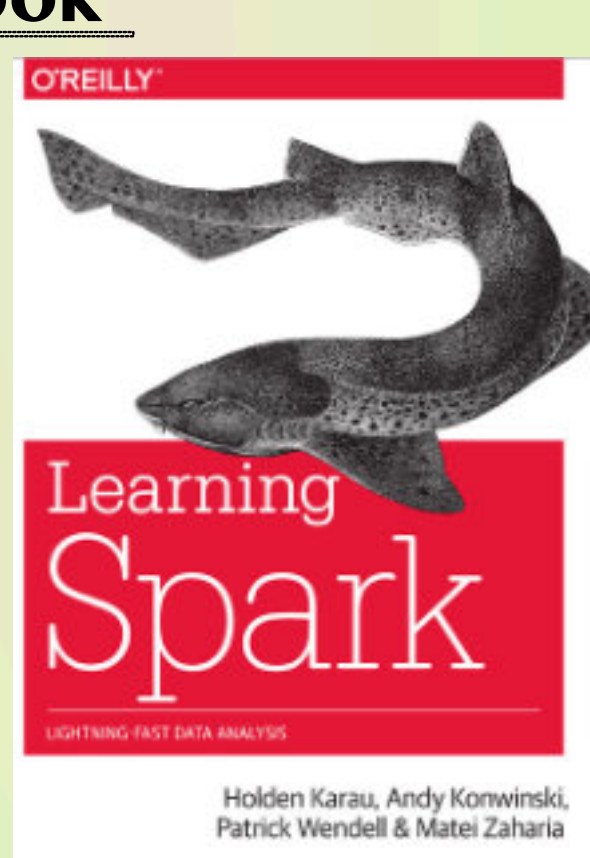
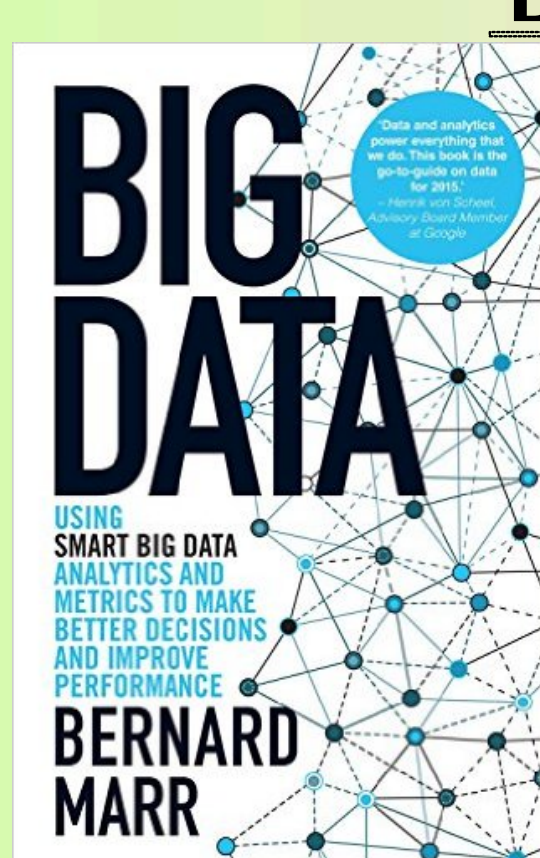


Big Data tools and techniques

- 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

- 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

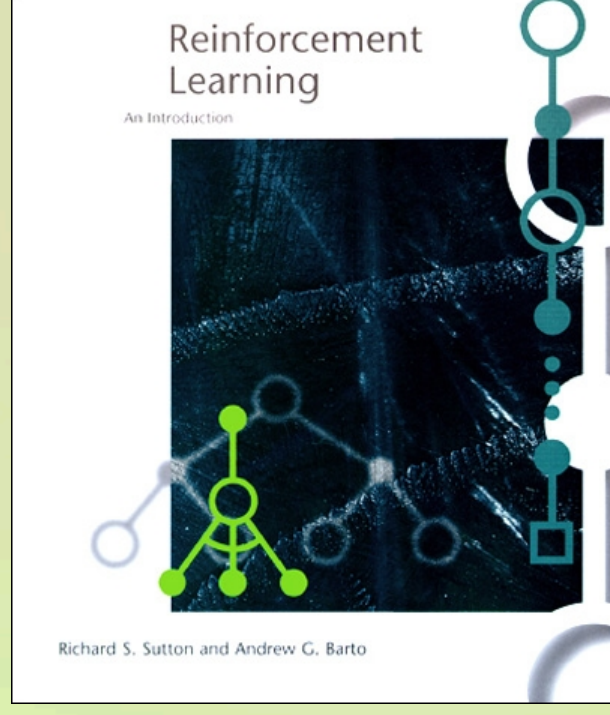


Reinforcement Learning

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



Book



Web frameworks & Cloud Computing

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



Cloud Computing

- Microsoft Azure
- Google Cloud Platform

All 41 $\rightarrow$ B = 48

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