ML Resources - The Exhaustive Guide (or not)

Dataset:

- Kaggle
- UCI Archives
- KD Nuggets
- Awesome Public Datasets
- List of Other Websites

Cheat-Sheets:

- KD Nuggets Top-30
- Essential Cheat Sheets
- List of Cheat Sheets for ML Ecosystem

Textbooks:

- Pattern Classification - Duda,Hart,Stork
- Pattern Recognition and Machine Learning - Christopher M Bishop
- Elements of Statistical Learning - Hastie, Tibshirani, Friedman
- Machine Learning - Tom Mitchell
- Machine Learning, A Probabilistic Approach - Kevin Murphy
- Artificial Intelligence - A Modern Approach
- Reinforcement Learning : An Introduction - Richard Sutton
- Deep Learning - Goodfellow, Bengio, Courville
- Introduction to Machine Learning - Ethem Alpaydin
- Introduction to Statistical Pattern Recognition - K. Fukunaga
- Pattern Recognition - Theodoritis
- Free Books - Machine Learning
- Free Data Science Books

Online Resources & Miscellaneous:

- Every Single Machine Learning Course on the Internet - Ranked by Reviews
- A Visual Introduction to Machine Learning
- UC Berkeley AI Course
- 10 Advice for Applying Machine Learning
- Machine Learning Pathway
- 5 Mistakes Programmers Make when starting Machine Learning
- Thoughts on Applied AI and ML
- 20 Lessons from Building ML systems
- Machine Learning Tutorials - Awesome Consolidated List
- List of Machine Learning Models
- Machine Learning & Data Science Notebooks - Sebastian Raschka
- 16 Must Watch Tutorials and Courses on Machine Learning
- Advanced Topics in Machine Learning
- 90 Active Blogs on Analytics, Big Data, Data Science, Machine Learning - KD Nuggets
- 19 MOOCs on Mathematics & Statistics for Data Science and Machine Learning
- 11 IPython Tutorials for Data Science and Machine Learning
- Cartoon Machine Learning Class
- 15 Github Repositories you can't miss in 2017
- A Primer on Deep Learning
- Deep Learning Reading List
- Deep Search in Deep Learning
- The Deep Learning Playbook
- Cognitive Machine Learning - Shakir M Blog
- 100 Best Github Repo - Deep Learning
- Deep Learning from Bottom Up
- Awesome Deep Learning Papers
- Awesome CS University Courses (including ML & DL)
- 15 Deep Learning Tutorials
- Fast AI - Deep Learning Course
- Machine Learning Reddit Space
- MIT - Introduction to Deep Learning
- An Overview of Multitask Learning in Deep Neural Networks
- Transfer Learning - Machine Learning's Next Frontier
- Deep Learning for NLP - Best Practices

Special Mention Blogs:

- Andrej Karpathy's blog

- Colah Blog
- Wild ML
- Distill Pub
- Dissecting Reinforcement Learning
- Berkeley AI Research Blog