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josephmisiti / **awesome-machine-learning**

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josephmisiti on 23 Mar Merge pull request **#124** from wangshuailong/master

6 contributors

68 lines (56 sloc)   4.934 kb   Raw   Blame   History

The following is a list of free, open source books on machine learning, statistics, data-mining, etc.

Machine-Learning / Data Mining

- An Introduction To Statistical Learning - Book + R Code
- Elements of Statistical Learning - Book
- Probabilistic Programming & Bayesian Methods for Hackers - Book + IPython Notebooks
- Thinking Bayes - Book + Python Code
- Information Theory, Inference, and Learning Algorithms
- Gaussian Processes for Machine Learning
- Data Intensive Text Processing w/ MapReduce
- Reinforcement Learning: - An Introduction
- Mining Massive Datasets
- A First Encounter with Machine Learning
- Pattern Recognition and Machine Learning
- Machine Learning & Bayesian Reasoning
- Introduction to Machine Learning
- A Probabilistic Theory of Pattern Recognition
- Introduction to Information Retrieval
- Forecasting: principles and practice
- Practical Artificial Intelligence Programming in Java
- Introduction to Machine Learning
- Reinforcement Learning
- Machine Learning
- A Quest for AI
- Introduction to Applied Bayesian Statistics and Estimation for Social Scientists
- Bayesian Modeling, Inference and Prediction
- A Course in Machine Learning

Natural Language Processing

- Coursera Course Book on NLP
- NLTK
- NLP w/ Python
- Foundations of Statistical Natural Language Processing

Neural Networks

- A Brief Introduction to Neural Networks

Probability & Statistics

- Thinking Stats - Book + Python Code
- From Algorithms to Z-Scores - Book
- The Art of R Programming - Book (Not Finished)
- All of Statistics
- Introduction to statistical thought
- Basic Probability Theory
- Introduction to probability - By Dartmouth College
- Principle of Uncertainty
- Probability & Statistics Cookbook
- Advanced Data Analysis From An Elmentary Point of View
- Introduction to Probability - Book and course by MIT
- The Elements of Statistical Learning: Data Mining, Inference, and Prediction. -Book
- An Introduction to Statistical Learning with Applications in R - Book

Linear Algebra

- Linear Algebra Done Wrong
- Linear Algebra, Theory, and Applications
- Convex Optimization
- Applied Numerical Computing
- Applied Numerical Linear Algebra

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