coursera **Useful Resources**

Informative Web Sites

 CS 229 Section notes on Linear Algebra
 Free linear algebra book with solutions Writing Equations in Forum Posts

 Introduction to Machine Learning by Nils J. Nilss Introduction to Machine Learning by Alex Smola and S.V.N. Vi Understanding Machine Learning, © 2014 by Shai Shaley-Sh

Textbook information

Advanced classes online Andrew Ng's advanced lectures - Your Common State Machine Learning - CosmoLearning Learning from Data - Ca
 Machine Learning - MIT

Machine Learning UBC 2013 - Youtube
 Neural Networks Demystified

PyML: Machine Learning object orie Hur.

Dlib-ml: A Machine Learning Toolkit.

 Apache Mahout: A scalable machine learning library LIBLINEAR : LIBLINEAR -- A Library for Large Linear Classification. I <u>Deeplearning4j</u>: Open-source, distributed, of to be used on distributed GPUs and CPUs. Machine Learning Data Sets

Kaggle: Machine Learning and data mining activities COCO-Text: Dataset for Text Detection and I Octave packages

Octave online

Useful papers Massive collection General

Translation Projects

Friedman, J. H. "Greedy Functio
 Ridgeway, Greg. "Generalized Be
 Rojas, Raúl. "AdaBoost and the S
(2009).

teresting applications

Pereira, Francisco, Tom Mitc 45, no. 1 Suppl (2009): S199.

Peep Learning School, Sept. 2016 (URL includes lin

Chandola, Varun, Arindam Banerjee, and Vipin Kumar. "Outlier
Kriegel, Hans-Peter, Peer Kröger, and Arthur Zimek. "Outlier do on Knowledge Discovery and Data Mining. 2009.

Castillo, Carlos, Marcelo Mendoza, and Barbara Poblete. "Information international conference on World wide web, pp. 6175-684. ACM, 2011.
Norman, Kenneth A., Sean M. Polyn, Greg J. Detre, and James V. Haxb data_Trends in cognitive sciences 10, no. 9 (2006): 424-430.

Mitchell, and Matt

Machine Learning frameworks and libraries in Python

Machine Learning frameworks and libraries in C++ SHARK: a fast, modular, feature-rich open-source C++ machine learning library

Machine Learning frameworks and libraries in Java

Domingos, Pedro. "A few useful things to know whout machine learning." Communications of the ACM 55, no. 10 (20).
 Shewchuk, Jonathan Richard: "An Introduction to the Conjugate Goddent Method Without the Aposizing Pain." 1994
 To understand cost functions better an introduction To Understanding Cost Functions.

rk for Linux and Mac OS X focused on cla

And the company of th

 LaTex Math T Online E-Books

A Blief Introduction to Machine Learning by Gunnar Batch

4. SQL29 Machine Learnine: Stanford: This is the Stanford CS course on Machine Learning that Prof Ng has taught for a number of years. The material parallels the Coursen course, but covers some additional topics and goes into much more depth on the

Linear Algebra

Short Guide to LaTex Math Here is a quick guide to entering equations using LaTeX. The directives are inserted between two do signs. For example, the fraction for one half is entered as \\$15\frac{1}{20}\frac{1