UNIVERSITY OF EASTERN FINLAND

Prerequisites

Klein, Philip N. (2017). *Coding The Matrix: Linear Algebra Through Computer Science Applications*. X. URL: http://codingthematrix.com/.
Lehman, Eric, F. Thomson Leighton, and Albert R. Meyer (2015). *Mathematics for Computer Science*. MIT OpenCourseWare. URL: https://courses.csail.mit.edu/6.042/spring15/mcs.pdf.
Prasad, Devi (2012). *Elementary linear algebra*. Second edition. Alpha Science International Ltd.

Textbooks

Aggarwal, Charu C (2015). *Data mining: the textbook*. Springer.
Friedman, Jerome, Trevor Hastie, and Robert Tibshirani (2001). *The elements of statistical learning*. Springer.
Leskovec, Jure, Anand Rajaraman, and Jeff Ullman (2014). *Mining of Massive Datasets, Chapter 6: Frequent Itemsets*. URL: http://www.mmds.org/.

Tutorials

Berwick, R. (n.d.). *An Idiot's guide to Support vector machines (SVMs)*. URL: http://web.mit.edu/6.034/wwwbob/svm-notes-long-08.pdf.

Online resources

Bourret Sicotte, Xavier (n.d.). *Support Vector Machine: Python implementation using CVXOPT*. URL: https://xavierbourretsicotte.github.io/SVM_implementation.html.
Brownlee, Jason (n.d.). *Machine Learning Mastery: Machine Learning Algorithms From Scratch*. URL: https://machinelearningmastery.com/category/algorithms-from-scratch/.
Fletcher, Tristan (n.d.). *Support Vector Machines Explained*. URL: https://static1.squarespace.com/static/58851af9ebbd1a30e98fb283/t/58902fbae4fcb5398aeb7505/1485844411772/SVM+Explained.pdf.
Fortmann-Roe, Scott (n.d.). *Understanding the Bias-Variance Tradeoff*. URL: http://scott.fortmann-roe.com/docs/BiasVariance.html.
Jordan, Jeremy (n.d.). *Evaluating a machine learning model*. URL: https://www.jeremyjordan.me/evaluating-a-machine-learning-model/.
Matplotlib (n.d.). URL: https://matplotlib.org/.
Scikit-learn (n.d.). URL: https://scikit-learn.org.
Tulloch, Andrew (n.d.). *Support Vector Machine python implementation*. URL: https://github.com/ajtulloch/svmpy.

Datasets

Kaggle (n.d.). URL: https://www.kaggle.com/datasets.
UCI ML Repository (n.d.). URL: https://archive.ics.uci.edu.