Comparison of SVM Optimazation Techniques in the Primal

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Abstract

This paper examines the efficacy of different optimzation techniques in a primal formulation of a support vector machine (SVM). Three main techniques are compared. The benchmark to compare all three techniques was sentiment analysis on movie reviews.

1   Introduction

This is a reference. [1] [2] [3]

References

[1] Olivier Chapelle. Training a support vector machine in the primal. *Neural Computation*, 19(5):1155–1178, 2007.

[2] Stefano Melacci and Mikhail Belkin. Laplacian support vector machines trained in the primal. *The Journal of Machine Learning Research*, 12:1149–1184, 2011.

[3] Jan Rupnik. *STOCHASTIC SUBGRADIENT APPROACH FOR SOLVING LINEAR SUPPORT VECTOR MACHINES–AN OVERVIEW*. SiKDD, 2008.