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Keywords: Support Vector Machines, Statistical Learning Theory, VC Dimension, Pattern Recognition
Appeared in: Data Mining and Knowledge Discovery 2, 121-167, 1998 1. Introduction The purpose of this paper is to provide an introductory yet extensive tutorial on the basic ideas behind Support Vector Machines (SVMs). The books (Vapnik, 1995; Vapnik, 1998) contain excellent descriptions of SVMs ...

A Tutorial on Support Vector Machines for Pattern Recognition

Data Mining and Knowledge Discovery, 2, 121-167 (1998) © 1998 Kluwer Academic Publishers, Boston. Manufactured in The Netherlands. A Tutorial on Support Vector Machines for Pattern

A Tutorial on Support Vector Machines for Pattern Recognition

The tutorial starts with an overview of the concepts of VC dimension and structural risk minimization. We then describe linear Support Vector Machines (SVMs) for separable and non-separable data, working through a non-trivial example in detail.

A Tutorial on Support Vector Machines for Pattern Recognition

Guangren Shi, in Data Mining and Knowledge Discovery for Geoscientists, 2014. Abstract. This chapter introduces the support vector machine (SVM), including the classification of SVM (C-SVM) and regression of SVM (R-SVM), as well as their applications in geosciences.

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Multi-task support vector machines for feature selection

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Knowledge Discovery, Knowledge Engineering and Knowledge

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