



华东师范大学学报(自然科学版) » 2013, Vol. 2013 » Issue (3): 209-218 DOI:

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基于类间可分性DAG-SVM的文本分类

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Text classification based on inter-class separability DAG-SVM

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摘要 本方法采用了以类间分布和类间中心距离作为依据,对有无环图结构进行调整,以解决传统的DAG-SVM多分类结构固定、单个节点位置随意引起的“误差累积”严重的缺陷.实验表明,该改进后的DAG-SVM文本分类方法,对文本分类准确率有一定的提高.

关键词: 文本分类 支持向量机 DAG-SVM 类间可分性

Abstract: This paper took an improved algorithm based on inter-class separability directed acyclic graph support vector machine (DAG-SVM) for text classification. The method has adjusted the DAG structure according to inter-class distribution and the distance between centers. It has solved the problems of fixed structure and random single node location in traditional DAG-SVM multi-classification method. The experiments show that the algorithm has improved the accuracy.

Key words: text classification support vector machine DAG-SVM inter-class separability

收稿日期: 2012-05-01; 出版日期: 2013-05-25

引用本文:


. 基于类间可分性DAG-SVM的文本分类[J]. 华东师范大学学报(自然科学版), 2013, 2013(3): 209-218.

. Text classification based on inter-class separability DAG-SVM[J]. Journal of East China Normal University(Natural Sc, 2013, 2013(3): 209-218.

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