
Parallel Choice of Classifier Parameters for Text Sentiment Analysis

E.V. Kotelnikov, T.A. Peskischeva, O.A. Pestov

Vyatka State University of Humanities, Kirov

Key words and phrases: cross-validation; parallel algorithms; sentiment analysis; support vector machines; text categorization.

Abstract: The paper presents the parallel algorithm of adjustment of parameters of text classifier based on cross-validation. Experimental testing was held on text collection of seminar ROMIP for sentiment analysis task. As the result of the experiment optimal set of parameters of classifier for given task was selected and the effectiveness of the introduced parallel algorithm was proved.

© Е.В. Котельников,
Т.А. Пескишева, О.А. Пестов, 2012