

A NOTE ON ROBUST ESTIMATION IN LOGISTIC REGRESSION MODEL

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Abstract

Computationally attractive Fisher consistent robust estimation methods based on adaptive explanatory variables trimming are proposed for the logistic regression model. Results of a Monte Carlo experiment and a real data analysis show its good behavior for moderate sample sizes. The method is applicable when some distributional information about explanatory variables is available.

Keywords: logistic model, robust estimation.

2010 Mathematics Subject Classification: 62F35, 62J12.

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Received 21 December 2015