

A New Concept for Adding Adjustment to the Fitting Process on Regression Model

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Abstract

In the model of current applied forecasting area, the historical data which we survey are usually not the real value that would increase the fitting curve errors. A new concept that adding adjustment idea to the fitting curve process on regression model is proposed to reduce modeling errors and to get a better forecast performance in this paper. An algorithm (middle point method) and its critical criterion is also provided to adjust response variable data. An empirical study on International Telecommunication Traffic of Taiwan illustrates the good results for our concept.

Keywords: Adjusted Valued, Middle Point Method.