

عنوان مقاله:

Diagnostic Measures in Restricted Linear Mixed Models

محل انتشار:

دومین کنفرانس ملی کسب و کار نوین در مهندسی برق و کامپیوتر (سال: 1403)

تعداد صفحات اصل مقاله: 6

نویسندگان:

Alimohammad Beiranvand - Department of Statistics, Ahvaz Branch, Islamic Azad University, Ahvaz, Iran

Farshin Hormozinejad - Department of Statistics, Ahvaz Branch, Islamic Azad University, Ahvaz, Iran

خلاصه مقاله:

In this paper, we have presented the diagnostic measures to identify outlier and influential observations in restricted linear mixed models. Several methods of diagnosis have been used as a means of identifying influential observations, such as the Cook's distance, the likelihood distance, and covariance ratio methods. Through a parametric bootstrap procedure, we have obtained empirical distributions of the test statistics, and additionally as a way to evaluate the performance of the test statistics one specified simulation study has been used. Finally, a numerical example is given to illustrate the theoretical results.

کلمات کلیدی:

Case deletion, Diagnostic measures, Influential observations, Linear mixed models, Mean shift outlier model

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/2032507>

