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On connections among OLSEs and BLUEs of whole and partial parameters under a general linear model. (English) [Zbl 1341.62133](#)

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Summary: This paper presents a new investigation to the connections among the ordinary least squares estimators (OLSEs) and the best linear unbiased estimators (BLUEs) of the whole and partial mean parameter vectors in a multiple partitioned linear model. We first give some general results on the equivalence of the OLSEs and the BLUEs under a general linear model, and derive some new facts on the connections among the OLSEs and the BLUEs of the whole and partial mean parameter vectors in the model.

MSC:

[62H12](#) Estimation in multivariate analysis

[62J05](#) Linear regression; mixed models

Cited in **5** Documents

Keywords:

[partitioned linear model](#); [partial parameter vector](#); [OLSE](#); [BLUE](#)

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