Analysis for row-column designs

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Abstract

In the paper, the base property of the row-column design, i.e. connected, orthogonality, balanced and efficiency was shown. A way of choosing an analysis of the linear model was indicated. In particular, estimation of parameters and testing general hypotheses was proposed. Furthermore, the problem estimation in strata of the experiment was considered. For estimable linear parametric function BLUE's and tests in stratum linear models was obtained.

Keywords

Block design, Row-column design, C-matrix, Connectedness, Commutativity, Efficiency factor, Efficiency balance, Variance balance.

References

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