*F AND SELECTIVE* $F$ *TESTS WITH BALANCED CROSS-NESTING AND ASSOCIATED MODELS*

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**Abstract**

$F$ tests and selective $F$ tests for fixed effects part of balanced models with cross-nesting are derived. The effects of perturbations in the numerator and denominator of the $F$ statistics are considered.

**Keywords:** selective $F$ tests, associated models, cross-nesting.

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**References**


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