Stair nesting designs

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Abstract

The number of treatments in balanced nesting design is the product of the number of levels in each factor. In stair nesting designs the number of treatments is the sum of the factor levels. So, the stair nesting designs require fewer observations than the balanced nesting designs. Moreover it is simple to carry out inference when we use stair nesting designs. When we crossing stair nestings these advantages can also be found.

Keywords

Stair nesting, Balanced nesting, Variance components, Confidence intervals, Crossing.

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1