Automatic report for a factorial experiment

International Potato Center

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# 1. Model specification and data description

The data frame has two factors with 2 and 2 levels. The experimental design is a completely randomized design with 2 replications. The statistical model is

where

* is the observed response with level of factor A, level of factor B, and replication .
* is the mean response over all levels of factor A, factor B, and replications.
* is the effect for level of factor A.
* is the effect for level of factor B.
* is the interaction effect between level of factor A and level of factor B.
* is the error term.

In this model we assume that the errors are independent and have a normal distribution with common variance, that is, .

# 2. Analysis for trait [:blank:]

There is at least one combination of the factors without data. The table below shows the frequencies of valid data for each combination of the levels of the factors. The analysis cannot be produced if there are combinations of the factors without data.

##   
## Conventional till Reduced till  
## gauvar 0 0  
## rajkumar 0 0

# 3. Analysis for trait [:blank:]

There is at least one combination of the factors without data. The table below shows the frequencies of valid data for each combination of the levels of the factors. The analysis cannot be produced if there are combinations of the factors without data.

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