Assignment 4 Data Set 4

Bongani Mveng

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# Null Hypothesis

* Administration of 5HT3 receptor antagonist does not ameliorate nausea intensity

# Alternative Hypothesis

* Administration of 5HT3 receptor antagonist decreases nausea intensity.

# Statistical Test

* paired t-test
* t = 3.3072, df = 7, p-value = 0.01299

### Test Asssumptions

* Gaussian distribution
* equal variance amongst groups
* independent errors
* effective data matching

# Outcome Analysis

* Ratings of nausea intensity significantly decreased following adminisatration of the 5HT3 receptor antagonist.