Test a Perceptual Phenomenon

Meets Specifications

Question 1: Identify variables in the experiment ⌄

SPECIFICATION
Question response correctly identifies the independent and dependent variables in the experiment.

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Question 2: Establish a hypothesis and statistical test ⌄

SPECIFICATION
An appropriate hypothesis test has been stated along with an appropriate statistical test to apply to collected data, with appropriate justification.

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Reviewer Comments
Excellent job stating the Null Hypothesis acknowledging it is related to inferring information about the population and providing a sound rationale for your test choices, thanks for investing your time on that.

Question 3: Report descriptive statistics ⌄

SPECIFICATION
Descriptive statistics, including at least one measure of centrality and one measure of variability, have been computed for the dataset's groups.

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Question 4: Plot the data ⌄

SPECIFICATION

One or two visualizations have been created that show off the data, including comments on what can be observed in the plot or plots.

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Question 5: Perform the statistical test and interpret your results ⌄

SPECIFICATION

A statistical test has been correctly performed and reported, including test statistic, p-value, and test result. The test results are interpreted in terms of the experimental task performed.

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Question 6: Digging deeper and extending the investigation ⌄

SPECIFICATION

Hypotheses regarding the reasons for the effect observed are presented. An extension or related experiment to the performed Stroop task is provided, that may produce similar effects.

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