



## PROJECT

## Test a Perceptual Phenomenon

A part of the Data Analyst Nanodegree Program

## PROJECT REVIEW

## NOTES

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Meets Specifications

## Responses to Project Questions

Q1: Question response correctly identifies the independent and dependent variables in the experiment.

Q2a: Null and alternative hypotheses are clearly stated in words and mathematically. Symbols in the mathematical statement are defined.

The null and alternative hypothesis are accurate.

Q2b: A statistical test is proposed which will distinguish the proposed hypotheses. Any assumptions made by the statistical test are addressed.

The statistical test that you choose is appropriate "dependent t-test". Please consider to explicitly explain your choice to perform one tailed test.

Q3: Descriptive statistics, including at least one measure of centrality and one measure of variability, have been computed for the dataset's groups.

The mean, median and standard deviation that you calculate for each condition are accurate.

**Q4: One or two visualizations have been created that show off the data, including comments on what can be observed in the plot or plots.**

Well Done!! the charts depict the times difference between the two conditions.

**Q5: 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.**

Well done for the implementation and the clear interpretation of the statistical test

**Q6: 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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