# UDACITY

# Analyze A/B Test Results

| REVIEW |
| --- |
| HISTORY |

## Meets Specifications

### Code Quality

> **All code cells can be run without error.**

> **Docstrings, comments, and variable names enable readability of the code.**
>
> The code is well formatted and appropriately commented. That make it easy to follow the analysis steps and identify a specific functional operation.

### Statistical Analyses

> **All results from different analyses are correctly interpreted.**
>
> You are correct, we can observe a difference between the two categories but we need to perform a statistical test to appreciate if the difference is significant. In this report, you implemented 3 different statistical tests to

appreciate if the difference is significant.

Simulation , Z-test , Logistic regression

The null and the alternative hypothesis are appropriate.

For part II section k, it is not sufficient to state that the p-value is large, please support your insight with the comparison between the obtained p-value and the suggested p-critical (0.05).
http://www.itl.nist.gov/div898/handbook/prc/section1/prc131.htm

**For all numeric values, you should provide the correct results of the analysis.**

Please note the similarity in the p_value calculated using the simulation and the z-test. These are independent methods.

**Conclusions should include not only statistical reasoning, but also practical reasoning for the situation.**

You are correct the z-test and the simulation was implemented as a one-tailed test while the regression solves a two-tailed problem. https://stattrek.com/regression/slope-test.aspx

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