UDACITY

< Return to "Data Analyst Nanodegree" in the classroom

Analyze A/B Test Results

REVIEW

HISTORY

Meets Specifications

Congratulations on completing this project.

Keep it up! You have done really good work here.

All the best for future projects. Thanks!!

Don't forget to rate my work as project reviewer! Your feedback is very helpful and appreciated.

Code Quality

All code cells can be run without error.

All code cells are working fine. Great job !!

Docstrings, comments, and variable names enable readability of the code.

Well formatted code and good use of the comments in the project.

When possible, it is always more computationally efficient to use numpy built-in operations over explicit for loops. The short reason is that numpy -based operations attack a computational problem based on vectors by computing large chunks simultaneously.

Additionally, using loops to simulate 10000 can take a considerable amount of time vs using `numpy` .

```
new_converted_simulation = np.random.binomial(n_new, p_new, 10000)/n_new
old_converted_simulation = np.random.binomial(n_old, p_old, 10000)/n_old

p_diffs = new_converted_simulation - old_converted_simulation
```

Statistical Analyses

All results from different analyses are correctly interpreted.

Awesome All the parts in this project are correctly interpreted. Well done for that. This is rare that student got the Part 3 Q1 (g) (h) right at first shot. Really impressive.

Awesome Part 1 & Part 2 are correctly interpreted. The A/B test and Z-score test are performed correctly.

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

AWESOME
Getting the stats calculations for both the simulation and z-test correct is difficult at this stage. Great work.

Suggestion Just to add on, in Part 3 Q1 (e), the difference between p-values of Part 2 and 3 is because we have performed one tailed test in Part 2, and in Part 3, we are performing two tailed test.

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

Spot On!!! Great intuition with the relationship between the different hypotheses statements.

You have drawn a correct conclusions from the statistical answers. It shows your better understanding about the topic.

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