UDACITY

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Analyze A/B Test Results

REVIEW

CODE REVIEW

HISTORY

Meets Specifications

Great work really

Well-commented and formatted code along with correct interpretations and conclusions, you did a great job here,**this is one of the best projects I've ever reviewed, I learnt a couple of things from you today**, thank you.

you seem now mastered course concepts and lessons. AB test is very common among testing methodologies, especially in E-Commerce and Webpage optimization .

Congratulations 🏆

Code Quality

All code cells can be run without error.

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

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- Very well-commented and formatted code 👌
- Really good using Numpy built-in operations instead of normal `for` loops, 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, have a look here for further discussion How do I move away from the "for-loop" school of thought?

Statistical Analyses

All results from different analyses are correctly interpreted.

- **[Awesome]** Part III (e) :well done reasoning for different P-value obtained from Part II. 👏, the regression model is set up as a two-tailed or two-sided test, whereas in Part II it was a one-sided test, more clarification here What are the differences between one-tailed and two-tailed tests?
- **[Awesome]** Part III (h) : really good creating additional columns, that was little tricky, rarely seen student figures out the difference between question [g] & [h], well-done 👏

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

- [**Awesome**]: Well-done calculating p-values using bootstrapping and `proportions_ztest` 👏

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

- **[Suggestion]** Part III: At the end of your analysis, draw a final general conclusion as a professional data scientist, whether you think the company should implement the new page, stick to the old one, or extend the test duration according to different testing methods used in this analysis.

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