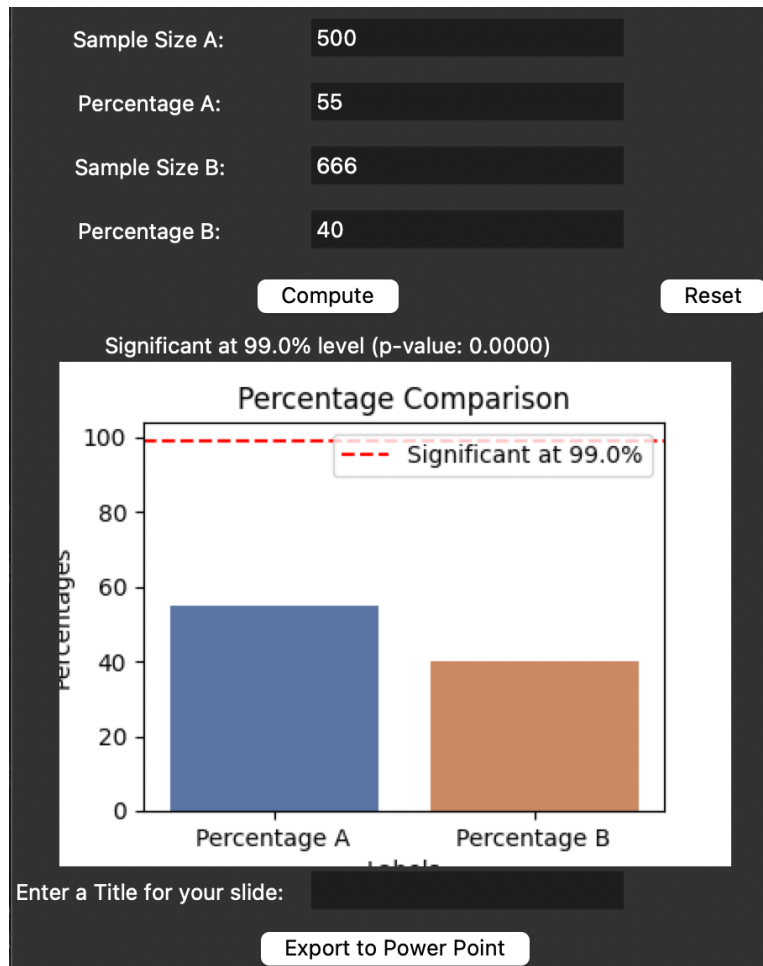
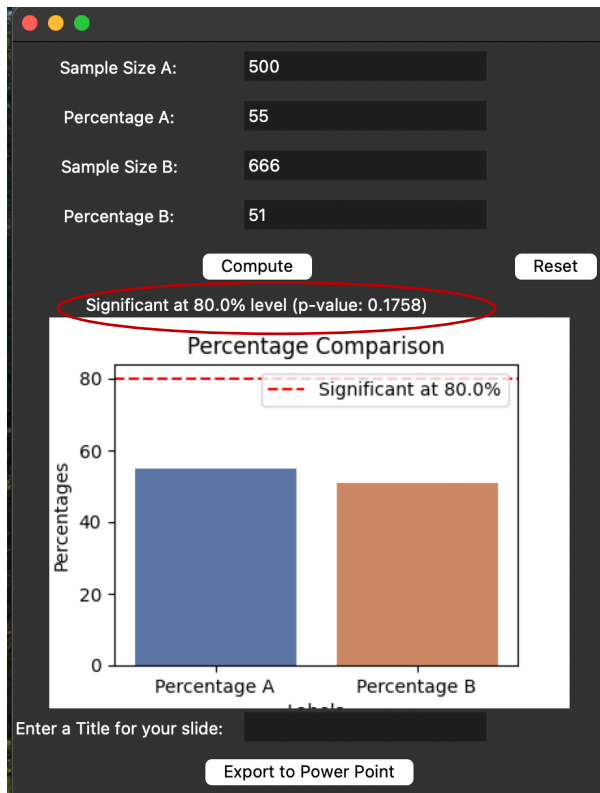


Review of Version 1

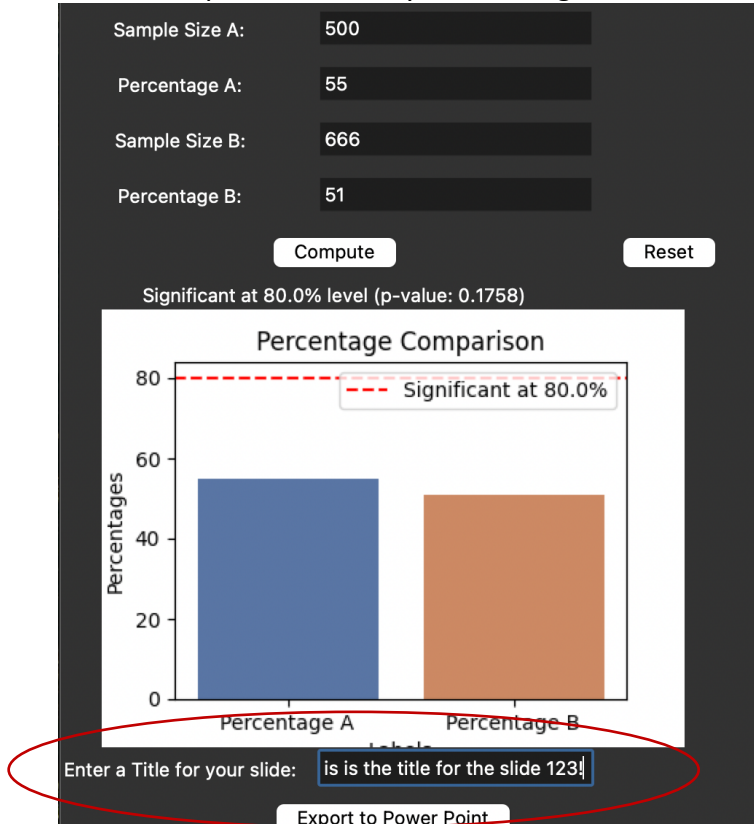
Overview of project: The project is a significance calculator that allows you to test significance of 2 proportions.

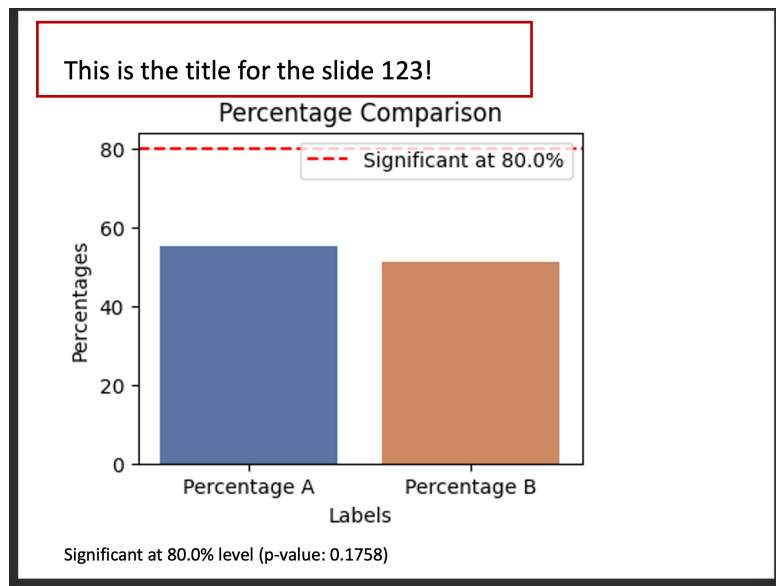


The unique aspect of this project is that the test cycles through all significance levels to determine if the difference is significant at any level. This application also graphs the proportions on a bar chart with the ability to export the output to a power point slide for future usage.



In the UI I have included the ability to write the headline for the slide you are exporting so you have a complete slide ready for sending.





Issues encountered & Solve: There were 3 issues that caused me a little bit of problems.

- 1) Setting up the tkinter. The widgets set up and look of Tkinter as well as making it function the way that I wanted caused me issue. I had to read a good deal in the book to figure out setup. After you suggested switching to a class it took me some time to figure out the changeover to get all the values in a state to be called for the calculation.
- 2) Export to power point. I had always thought about the ability to output to power point. I wasn't sure the library that I would need to make this happen. When I found the library I struggled to understand how to develop the function for the export. I spent time reading documentation on Python PPTX which started to give me the pieces to make it work.
- 3) The slide components. I had a hard time figuring out how to get a slide that looks proper. At first it was all kinds of ugly. The headline was in the middle of the page, the image was off the page etc. I spent time reading on formatting including how to force justification for headlines using documentation to understand how to both left justify and move the title to the top of the page.

Where is help needed: I think I am ok at the moment. I have a few areas that are on my list of things to do like adjusting to ttk as you recommended, but I have been reading up on the change. I think I will be alright.

Milestones for the next few weeks:

Milestone 1: The first milestone will be to move the UI over to TTK to make the application look a bit more modern.

Milestone 2: Adding additional aspects to the statistical output. Including when it is not significant for the app to calculate where it would be significant and add that to the output. (This is not significant at any level until XYZ%)

Milestone 3: I was thinking about adding in flexibility for the user to select the slide look and feel on the output. Will implement the ability to select the slide template preferred.

Self-reflection: I am satisfied with where I have made it with the project. I think I had a few areas where I started to get a bit frustrated as I was trying to implement parts of the features and fell short or had to spend significant time reading to find a potential solution. I think I can finish the project with the 3 given milestones outlined. The core calculation function was much easier than I expected given the libraries that are available. What I found the most difficult was everything else. The setup of the UI caused me many hours of sitting and reading to make the right widgets in the right way etc. The power point output caused many many hours of reading to see how I could potentially make this work and then make it look a bit more professional.