

APMA 1650 – MINI PROJECT

Disclaimer: This is supposed to be a fun and open-ended and relaxing assignment where almost everyone gets full credit. I expect you to spend at most 2 hours on it, it shouldn't take longer than a homework.

You have the choice between the following options. Please clearly indicate on your assignment which one you choose

Option 1: What is your favorite probability distribution? What are its applications? Provide one concrete example/application (not covered in class) where you use it.

Option 2: Come up with a claim and use the tools we learned in the hypothesis testing section to claim or either support or refute it. Ideally it should be a real-life application, not covered in class.

Option 3: If you have another idea for a project, like summarizing a research paper that you wrote that involves probability or statistics, that should be fine too. Please don't just resubmit a project that you did in another class, it should really be a summary.

Note: Do **NOT** just copy-paste a Wiki article, but it's ok to paraphrase it. And do not use ChatGPT thank you 😊