FIRST LAST NAME
Math 5750/6880: Mathematics of Data Science
Project #1 Progress Report
August 24, 2025

1. LaTeX

Experience. I know a bit of the equation syntax, though not much of the document formatting stuff. As a computer nerd with oppinions, I am forced to mention Typst, which is built on being a good markup language, as opposed to LaTeX, which seems to largely survive on path dependence and spite.

2. GitHub

My GitHub Project1 repository is located here:

https://github.com/math-data-science-course/Project1

Experience. Used Git for keeping track of some personal projects, but Im certainly no wizzard and no collaborative experience. Basic forking stuff on gh, but never studied it really.

3. Python and Google Colab

I solved the folloing ProjectEuler problem: https://projecteuler.net/problem=69

Solution. Used observations about how the score was connected to underlying prime factors to guess 510510, which a brute force run through showed to be correct.

Experience. Self-taught data science stuff by way of getting hired to do it before I was really qualified (Research econometrecs; so data cleaning, static analysis, fixed-effect regression and event study (staggered and no) causal type stuff), so my CS fundamentals arn't great but trying to improve. A bit more reliant on AI than I am proud to admit, but also working on that.

4. Regression Analysis

Include here response to the prompt. Don't forget to include your figures (see commented text below) and to reference it when you discuss it.

5. Classification Analysis

Include here response to the prompt. Don't forget to include your figures. You can use the following LaTeX code for your confusion matrix.

	Predicted Malignant	**Predicted Benign**
Actual Malignant	10	FP
Actual Benign	FN	TP