CST 383: Intro to Data Science
Dr. Glenn Bruns

Estimating the probability of heart disease

Important note: you must follow the course honor policy. You may not look at anyone's code or show anyone your code.

Purpose. We've been learning about probability distributions, and about how to estimate probabilities from data. On top of that, we learned how to make predictions using the MLE and MAP methods. In this assignment you'll learn why we won't use MAP as a machine learning algorithm this semester.

Instructions.   Download estimating-probs.ipynb. You can work on the notebook using Colab or Jupyter notebooks. Read the instructions at the top of the file carefully.

To help you know that you're on the right track, I have left my output in the notebook for most of the problems. You may want to make a copy with my output for reference.

Submission. Submit your edited estimating-probs.ipynb on Canvas. Please check to see that you have used the correct file name.

Grading. All problems have the same weight. Maximum score 70.