

# Lab #1

- Due Sep 28, 2024 by 11:59pm
- Points 100
- Submitting a website url or a file upload
- File Types pdf and html
- Available Sep 4, 2024 at 12am - Oct 1, 2024 at 11:59pm

This assignment was locked Oct 1, 2024 at 11:59pm.

Dear all --

Answer the following questions:

- 1-- Choose one variable, look at its distribution (mean, sd, median, min, max), or if it is categorical, create a simple table for it, and plot it with a histogram. Explain what you take away from looking at the variable.
- 2-- Choose some continuous-ish variable, and calculate its mean and standard deviation by some grouping variable. Plot it using a box-plot. Explain what conclusion you draw from this analysis.
- 3-- Choose two categorical-ish variables, and cross-tabulate them. Plot them using a stacked bar chart. Explain what conclusion you draw from this analysis.

Some Rubric			
Criteria	Ratings		Pts
Student chooses one variable and looks at its distribution.	10 pts Full Marks	0 pts No Marks	10 pts
Student explains what they take away from looking at the variable.	10 pts Full Marks	0 pts No Marks	10 pts
Student chooses a continuous-ish variable, and calculates its mean and standard deviation by some grouping variable.	10 pts Full Marks	0 pts No Marks	10 pts
Student explains what conclusion they draw from this analysis.	10 pts Full Marks	0 pts No Marks	10 pts
Student chooses two categorical-ish variables, and cross-tabulates them.	10 pts Full Marks	0 pts No Marks	10 pts
Student explains what conclusion they draw from this analysis.	10 pts Full Marks	0 pts No Marks	10 pts
Overall, the quality of the student's report was well-done, without issues, followed the directions and reflects time, effort and thought.	40 pts Full Marks	0 pts No Marks	40 pts
			Total Points: 100

