PRESENTATION DUE DECEMBER 11TH

Proposal: “State the problem and the method you expect to use. Include a timeline and the tasks to be performed and the distribution of these tasks by group member.”

Problem Statement

We would like to analyze the total price of consumer laptops based on the size, amount of ram, weight, company, storage size, and storage type.

Hypothesis

H_0: Increasing the physical size of the laptop, RAM capacity, weight of the unit, manufacturing company, storage size and storage type will not have a significant impact on the price of the laptop
H_a: Increasing the physical size of the laptop, RAM capacity, weight of the unit, manufacturing company, storage size and storage type will have a significant impact on the price of the laptop

Methodology

We will test our explanatory variables and their impact on the response variable. Testing the explanatory variables all together and individually to find any relation they hold to each other and the response variable.

Timeline

Week 1:

Find:

- Descriptive statistics
- Diagnostics plot
    - Will we need to do remedial measures?
- Residuals analysis
- Normality + Variance test

Week 2:

Test our βs in our hypothesis individually and together.
Write a conclusion.

Week 3:

Compile presentation (divide up slides, do a dry run etc.) and finish editing the final paper. Practice presentation.

Results

We can declare this project a success when we either accept or reject our null hypothesis.

References/Resources

https://www.kaggle.com/datasets/owm4096/laptop-prices