

- Topic and tasks for the project

- Present your static data visualization and discuss how you design the data visualization

- Present your interactive data visualization and how to use it to address your tasks.
Include a demo to show how to use your interactive data.

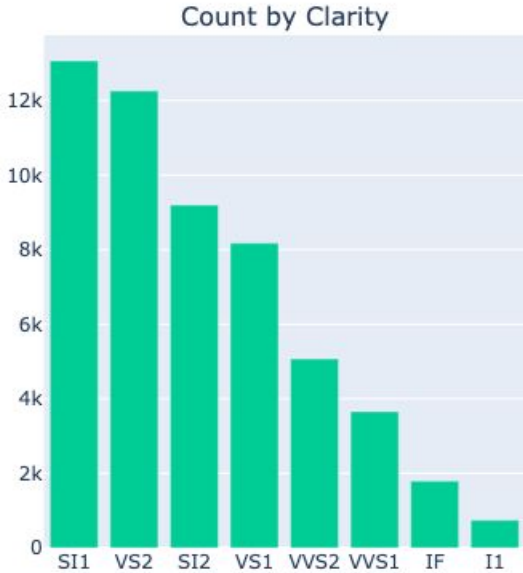
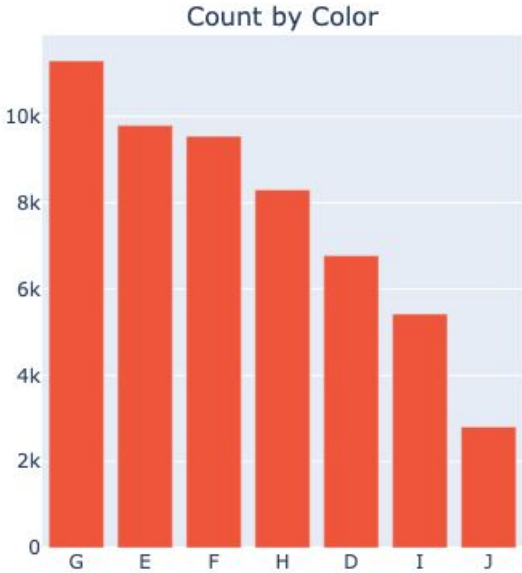
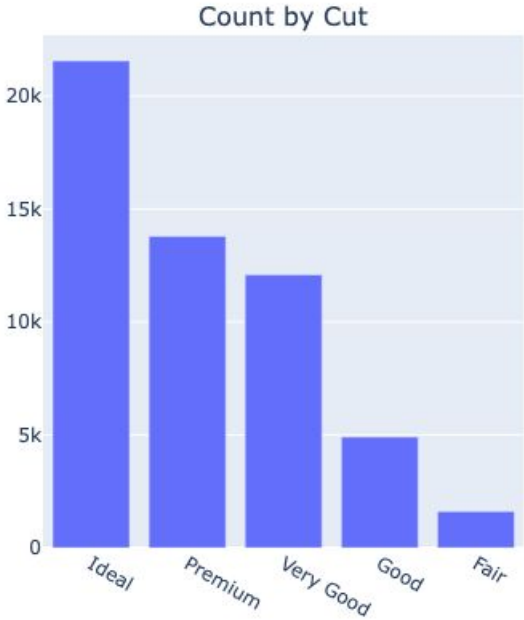
- Conclude what you have learned from the visualization

- 3.27 meeting

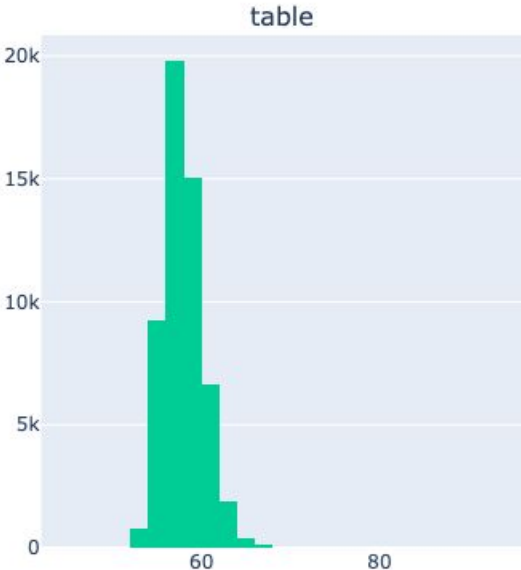
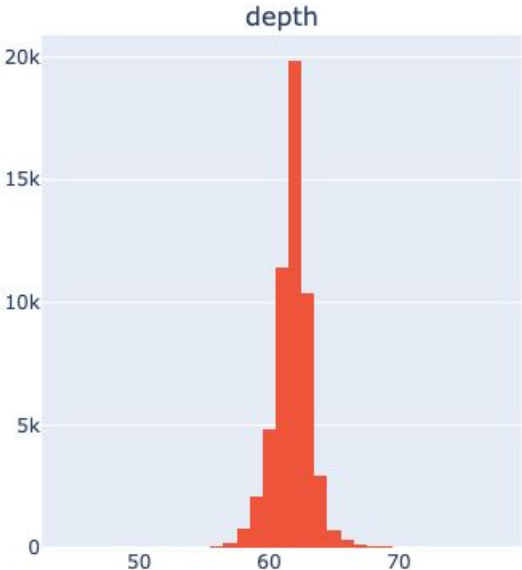
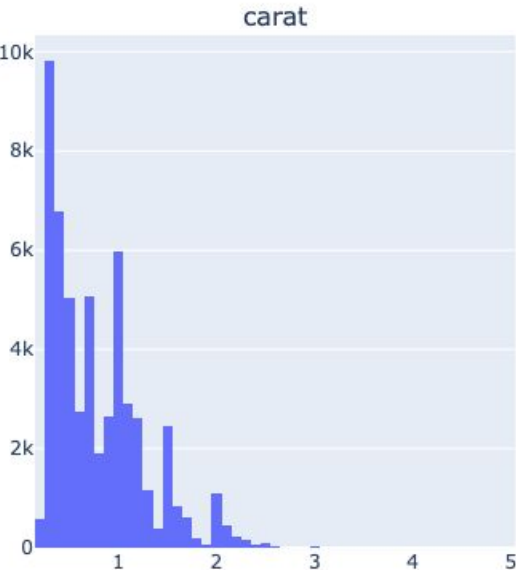
visual

1. bar plot - categorical data present
2. Density plot - numerical data present
3. Pairwise relationship
4. Correlation heatmap
5. box plot - categorical & price
6. Feature importance - numerical & price
7. D3 price & xyz

Count Distribution of Cut, Color, and Clarity



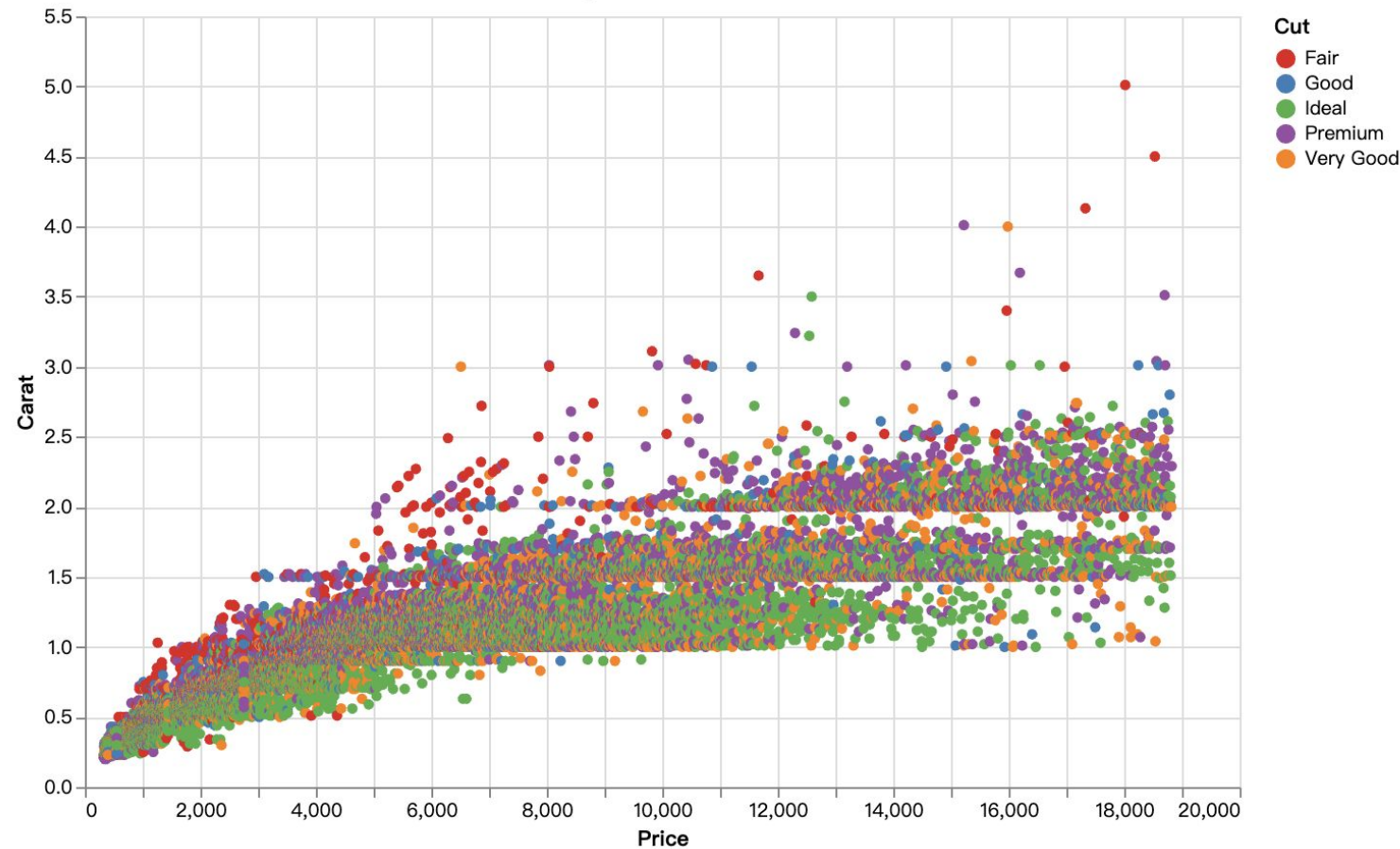
Distribution of Numerical Variables (carat, depth, table)



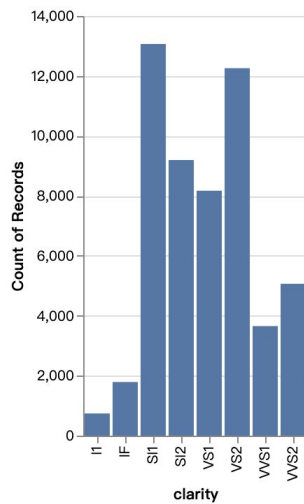
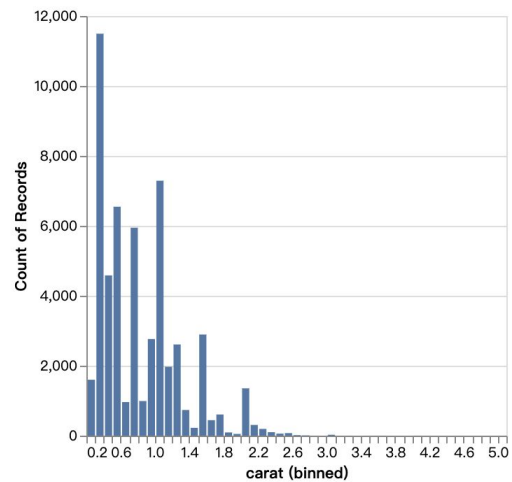
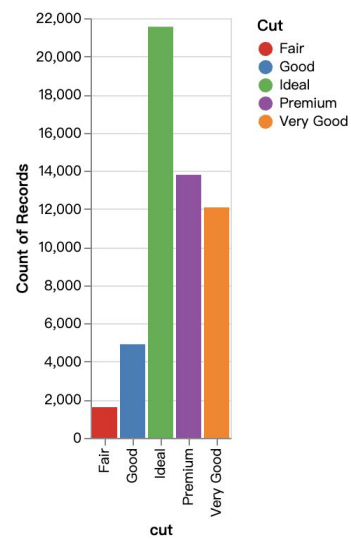
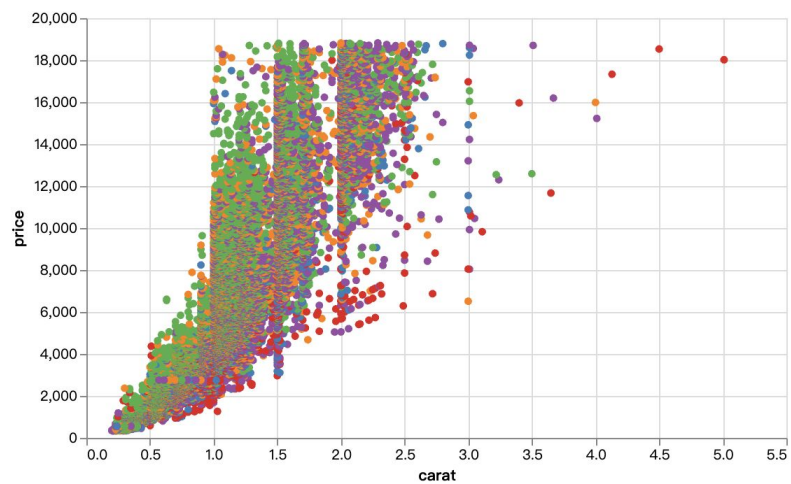
Numerical Feature Correlation Matrix

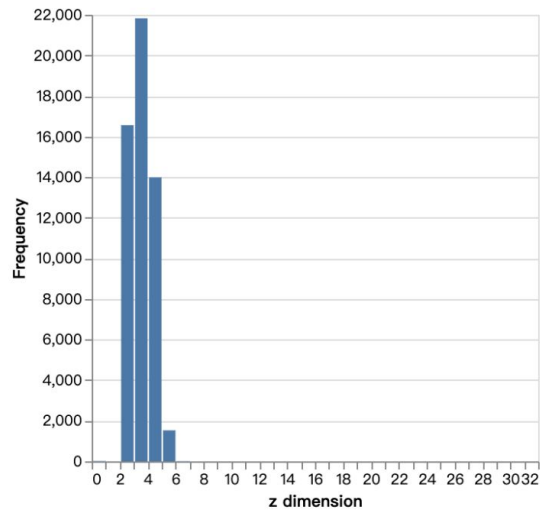
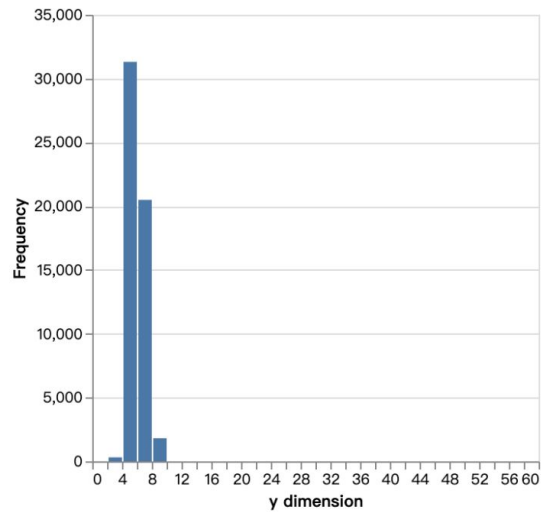
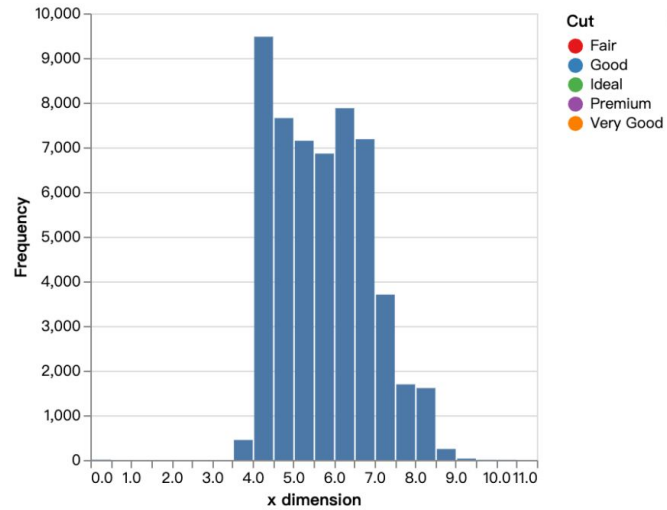
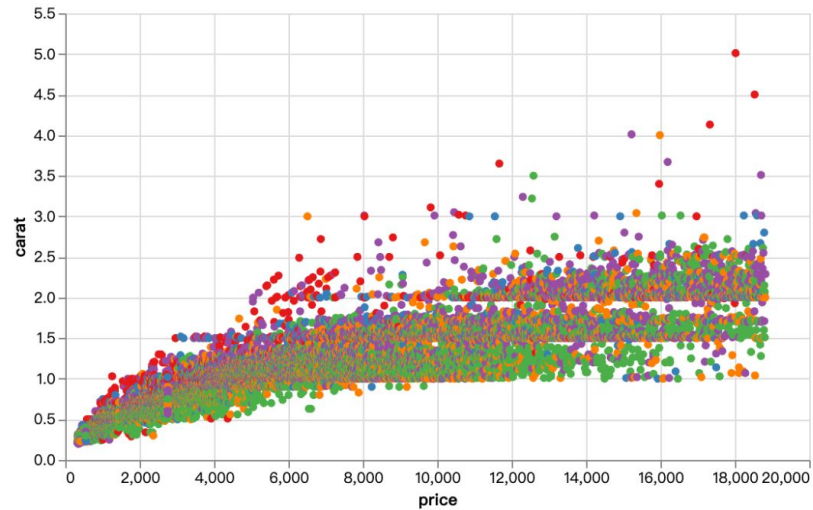


The Relationship bewtween Price and Carat



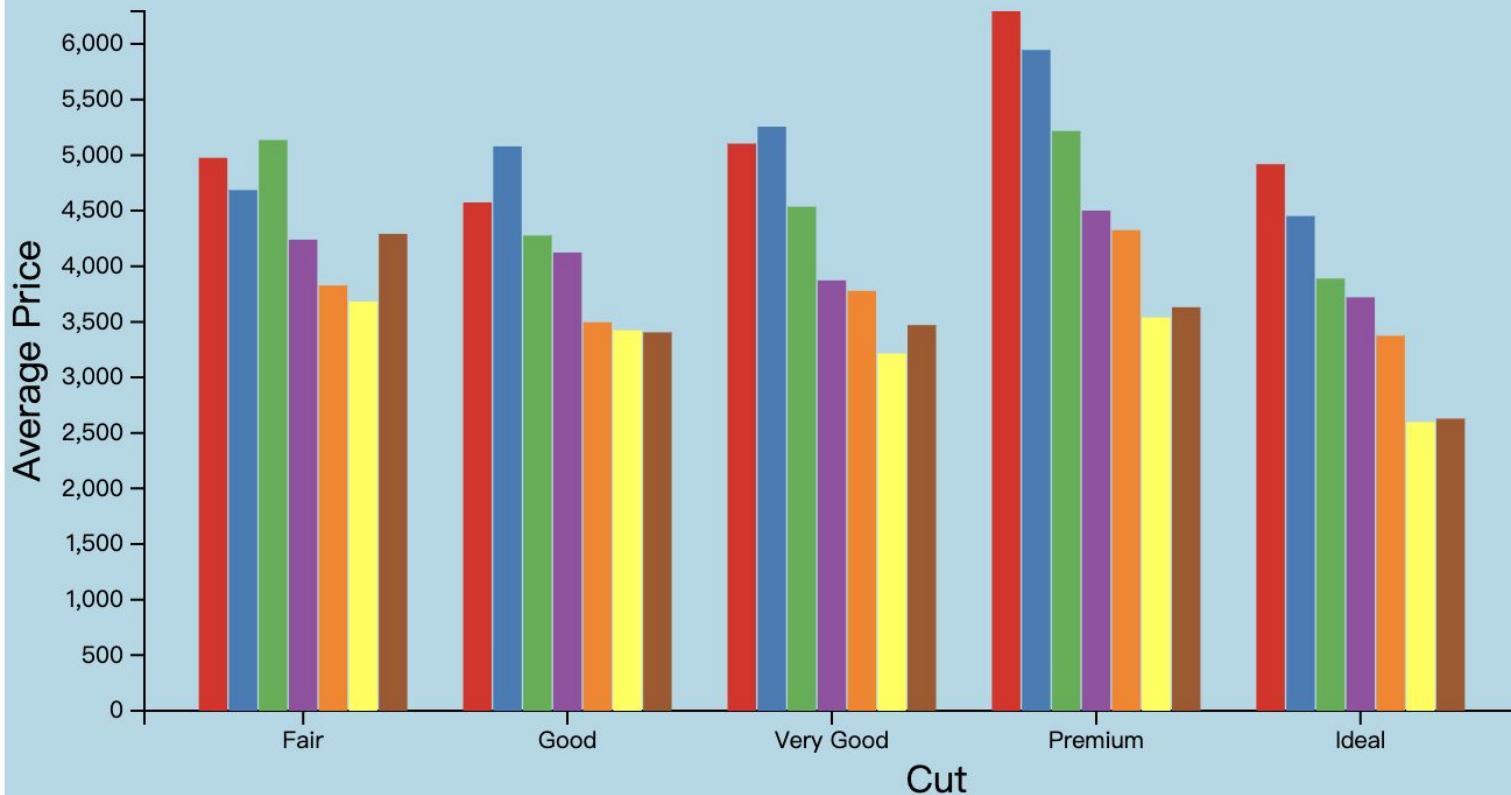
Cut: ☒ All ☐ Fair ☐ Good ☐ Ideal ☐ Premium ☐ Very Good



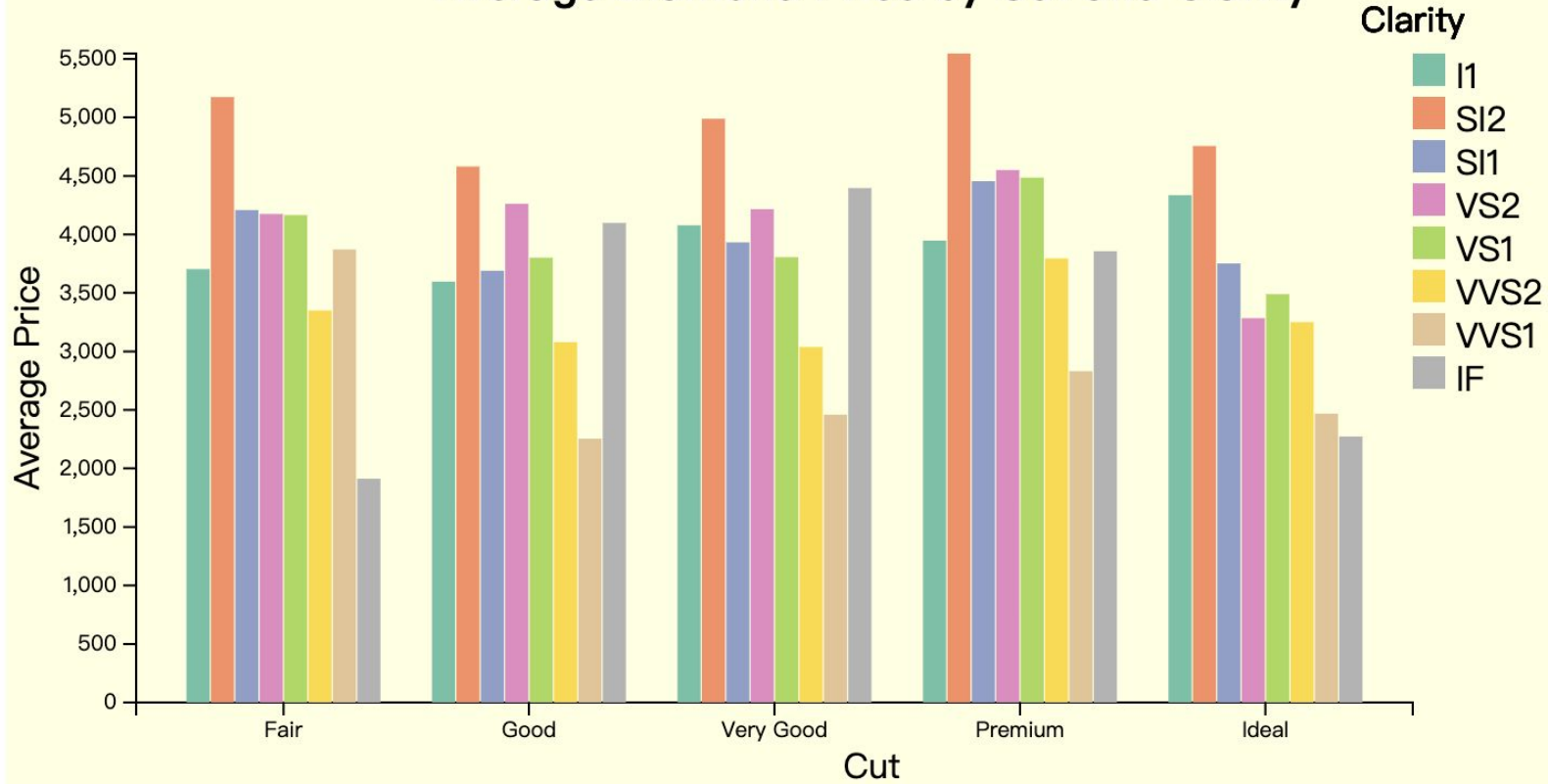


Average Diamond Price by Cut and Color

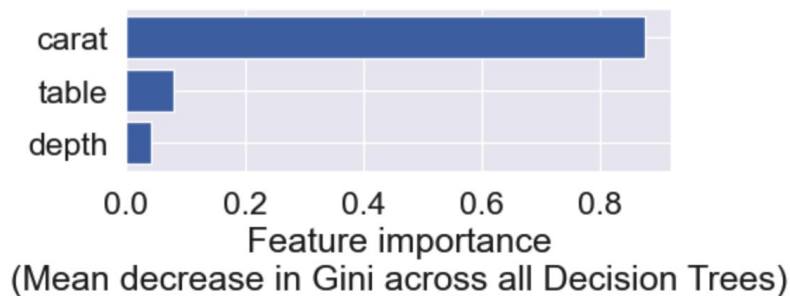
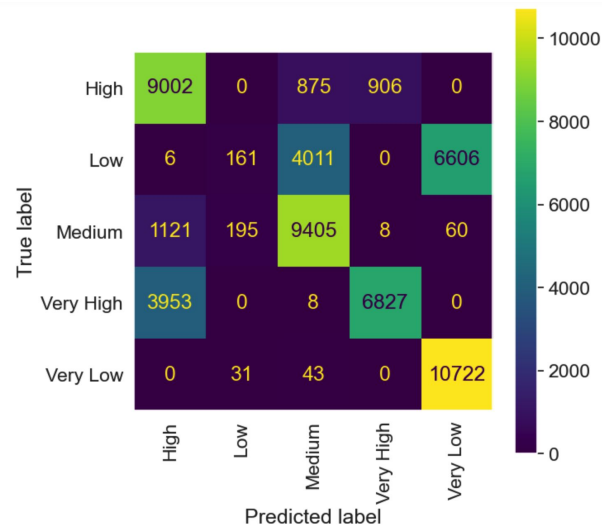
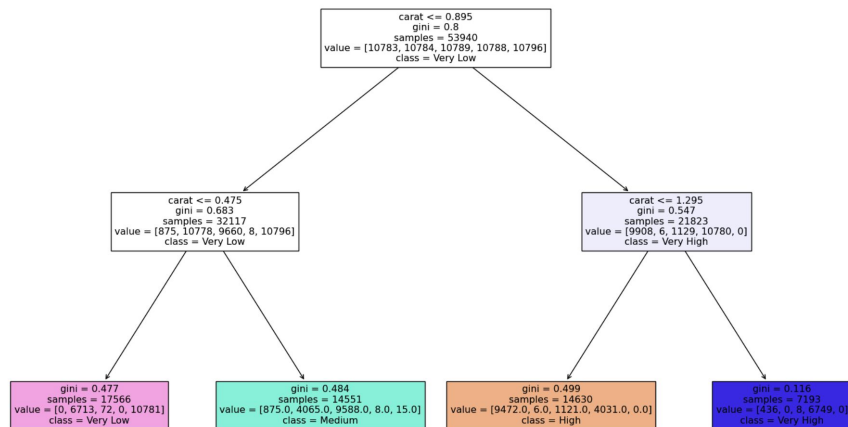
Color Grade



Average Diamond Price by Cut and Clarity



Decision Tree Classifier and feature importance for numerical variables



Analysis of numerical variables

Price Distribution by Cut, Color, and Clarity

