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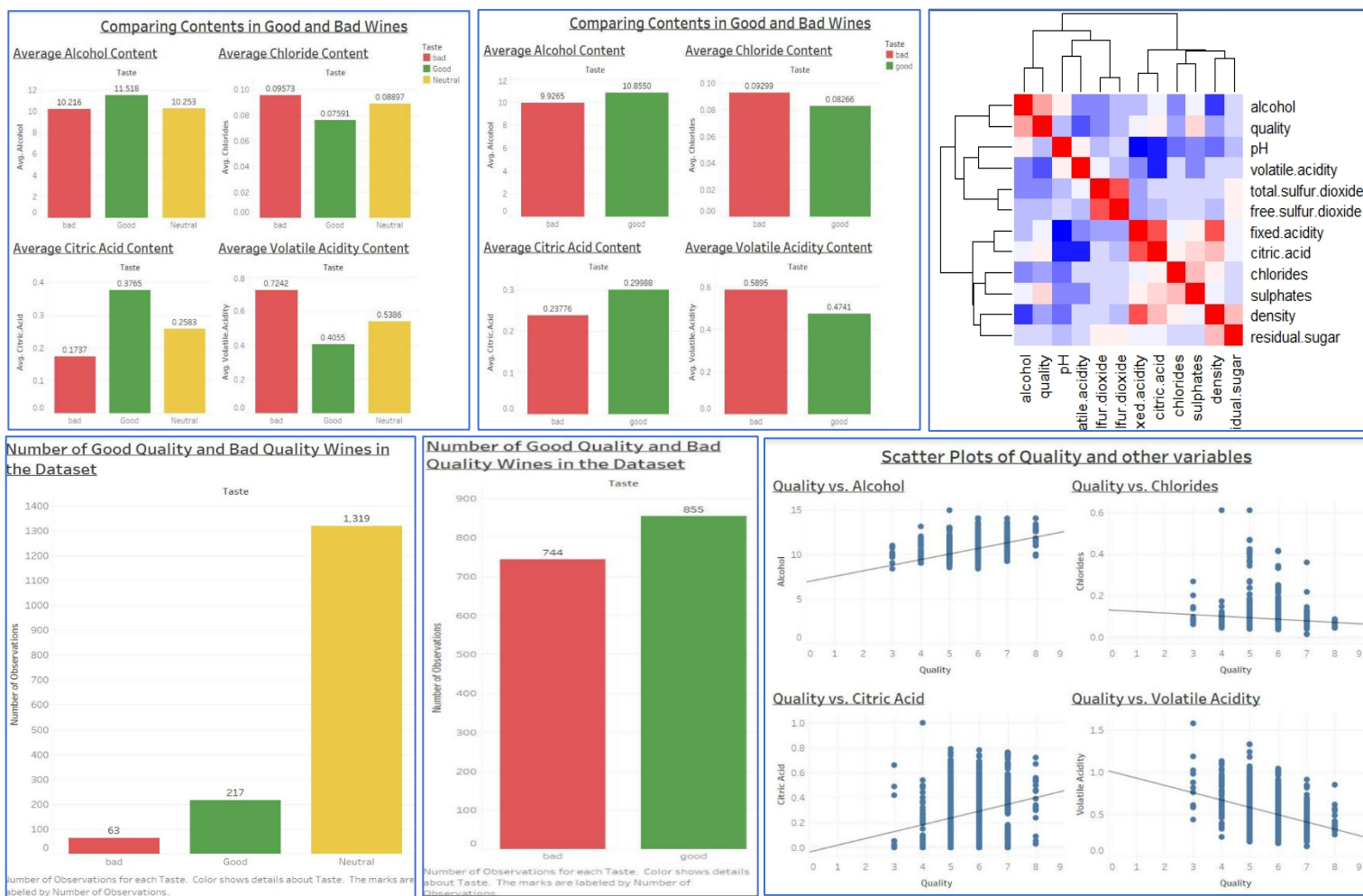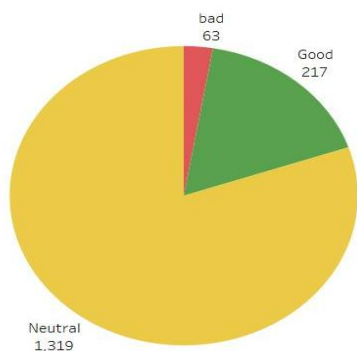
Red Wine Quality Prediction

Outline: Red wine quality is predicted from the physico chemical properties of wine like alcohol, sulphates, pH, density , volatile acidity.

Processing: We balanced dataset due to classes "Good and "Ok" not being equally represented. So created bins of quality rating and converted to 3 classes. The completed R file will be attached to canvas for further reference.

Visualizations: The below visualizations were missed in the presentation due to time constraints.

Conclusion:
1. Most significant variables to assess the quality of wine: Alcohol, Volatile Acidity, pH, citric acid, and density.
2. From our findings, a good quality wine should have high alcohol (increases density), low volatile acidity, low pH (3 to 4), and some presence of citric acid.