



CSE523 Machine Learning

Weekly Report - 4

Section - 1

Submitted to faculty: Prof. Mehul Raval

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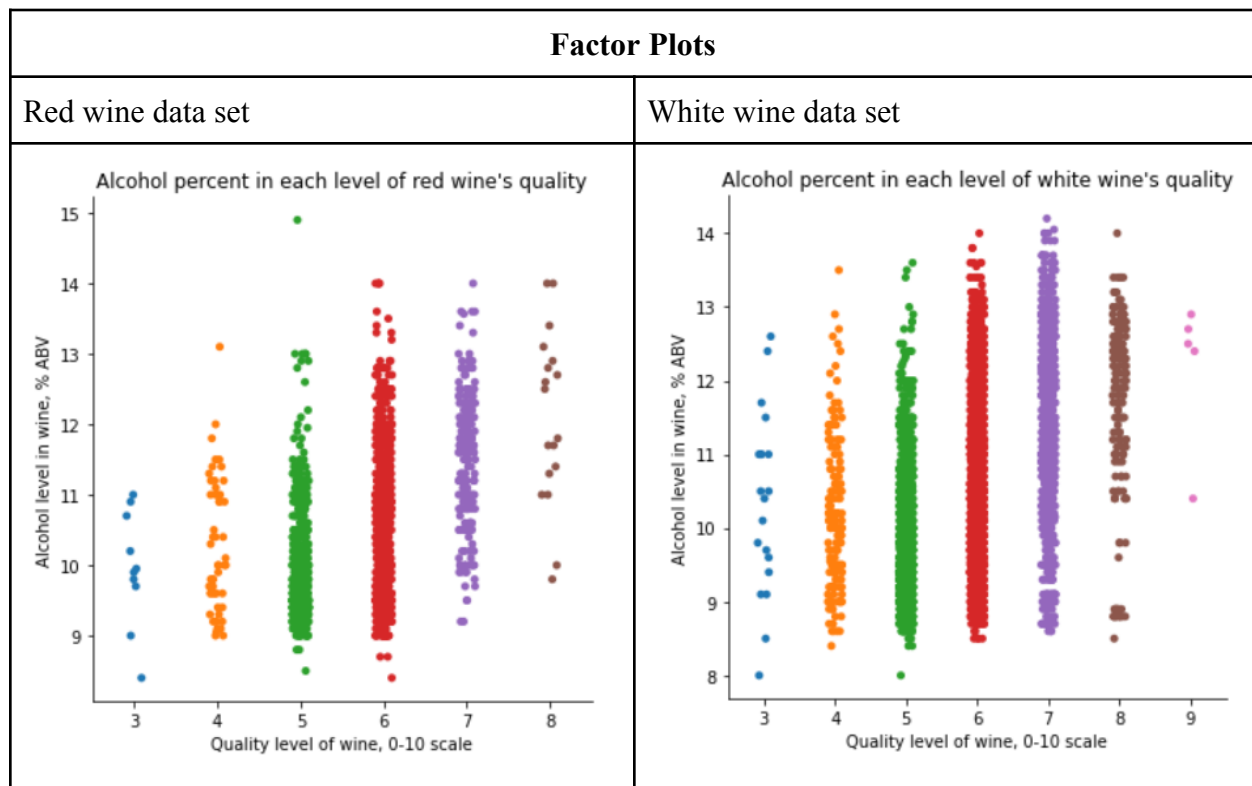
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2022-2023 (Winter Semester)

Tasks Performed: Data Exploration and Model Building

Outcomes:

After countplot, factorplots are also plotted for more data exploration.



By these, we can know the outliers in the data.

Model Building:

We are starting with Logistic Regression for the model building. These are the results for Logistic Regression on Red and White wine datasets.

Logistic Regression results	
Red wine data set	White wine data set
Confusion Matrix: [[120 39] [40 121]] Accuracy: 0.753125 Score: 0.753125 RMSE: 0.4968651728587948	Confusion Matrix: [[145 176] [120 539]] Accuracy: 0.6979591836734694 Score: 0.6979591836734694 RMSE: 0.5495824017620384