Final Report for Red Wine Analysis

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Introduction

The purpose of this document is to report the proposed statistical models for classification of red wine.

Description of Data

The data set provided is the Wine dataset from UC Irvine. It consists of 1599 with a total of 12 predictors. These predictors include the following fixed_acidity, volatile_acidity, citric_acid, residual_sugar, chlorides, free_sulfur_dioxide, total_sulfur_dioxide, density, pH, sulphates, alcohol, quality with the quality feature being associated with the judgement of the individual wine's quality. Quality is the feature of interest for the dataset as the vinter is interested in judging the wine's quality through objective means rather than todays subjective method of averaging the 1-10 point judgment of tastetesters.

Method

Regression

Classification

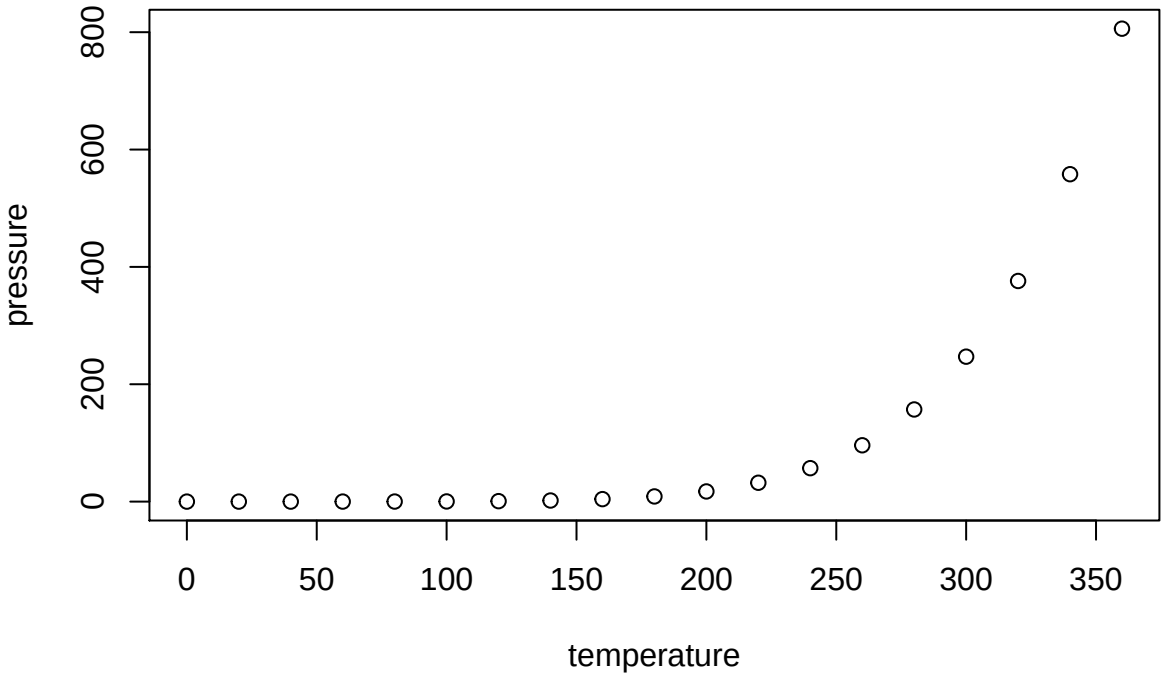
Comparison of Models

Discussion

Conclusion

Issues

You can also embed plots, for example:



Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.