MATH3714 Coursework

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1 Introduction

We have been given a data frame \mathbf{A}_{393x9} which is the table of different cars with mpg, cylinders, displacement, horsepower, weight, acceleration, year, origin and name for a given car. Our goals is to be make a model that is capable of predicting mpg from our data given. Now we plit up \mathbf{A}_{393x9} into \mathbf{Y}_{393x1} which contains only mpg and \mathbf{Y}_{393x8} which contains everything in \mathbf{A}_{393x9} apart from mpg. This sets up our responds and explainatory variable.

2 Initial Data Analysis

In this prelimatory stage we want to investigate outliers and possible missing data in our dataframe ${\bf A}_{393x9}$