The MechaCar\_mpg.csv dataset contains mpg test results for 50 prototype MechaCars. The MechaCar prototypes were produced using multiple design specifications to identify ideal vehicle performance. Using R, we will design a linear model.

Linear Regression

Text

Description automatically generated

Summary Linear Regression

Text

Description automatically generated

Table

Description automatically generated

Table

Description automatically generated

Lot 1

Text, letter

Description automatically generated

Lot 2

Text

Description automatically generated

Lot 3

Text

Description automatically generated

In order to run the statistical test more data such as the men of both samples, the standard deviation and the number of the observations would be required for accurate sampling.