

Regression Models Course Project

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Analysis of mtcars Dataset With Respect to Whether Automatic versus Manual Transmissions Significantly Affect Vehicle Fuel Efficiency (miles per gallon)

Executive Summary

Exploratory Data Analysis

- show means for mpg grouped by automatic and manual transmissions
- show correlation of mpg with each of auto, wt, hp
- show scatter plots of mpg with respect to these 3.

Model selection

show multiple models and compare with anova and confidence intervals on coefficients.

Residual Plots and Diagnostics

Conclusions

Appendix

Including Plots

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.