Lab

# Lab 8 – Linear Modeling

In Chapter 16 we explored how to build linear models to be able to explain/predict variables in a dataset.

In this assignment, we will do that with the “mtcars” dataset. Specifically, try to build a model predicting mpg from wt. Build a different model predicting mpg from hp.

After building these two models, answer the following questions:

1. Which model is better (and why)?

2. For the better mode, how much of the variance of mpg is explained by the model?

Finally, build a third model, predicting mpg using both wt and hp.

3. Is that model better than the other two?