Assignment 1

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# Assignment Instructions

In a Word document, respond to the following and upload via Canvas:

1. Download the rollercoasters.sav file and open it in SPSS (or import it into R)
2. Write up a response to the following question, using an ANOVA: Do roller coasters that have different excitement ratings differ in their max speed?
   * Make sure to describe center, spread, and shape of the distribution of the variables (Analyze, Descriptives, Explore may be helpful here)
   * Are assumptions of ANOVA met? (What are the assumptions? You can look in your book for this, or also use Laerd Statistics (Links to an external site.))
   * Include all relevant output from the ANOVA in your response to the question

summary(cars)

## speed dist   
## Min. : 4.0 Min. : 2.00   
## 1st Qu.:12.0 1st Qu.: 26.00   
## Median :15.0 Median : 36.00   
## Mean :15.4 Mean : 42.98   
## 3rd Qu.:19.0 3rd Qu.: 56.00   
## Max. :25.0 Max. :120.00

## 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.

### Header 3

Here.