

# Assignment 1

Student #: 23088091

Name : Sean Peralta Garcia

## 1. Executive Summary

## 2. Introduction

## 3. Methodology

- `plot()` - plots all combinations of terms
  - only use some in results - ones of note

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- mathematical justification for choosing transformation
  - find relationship approx linear
  - with approx constant variance
  - scatter plot to see if there are any obvious transformations
    - and least squares regression line to find outliers (find points above and below line)
  - fit a linear model wk2 and 3 lab - no r code shown
  - residual plot to see what variables should be transformed
  - estimated regression line
  - cross table
  - residual plot

## 4. Results

## 5. Discussion

## 6. References

### 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.