Stat 6021: Output for Midterm 1

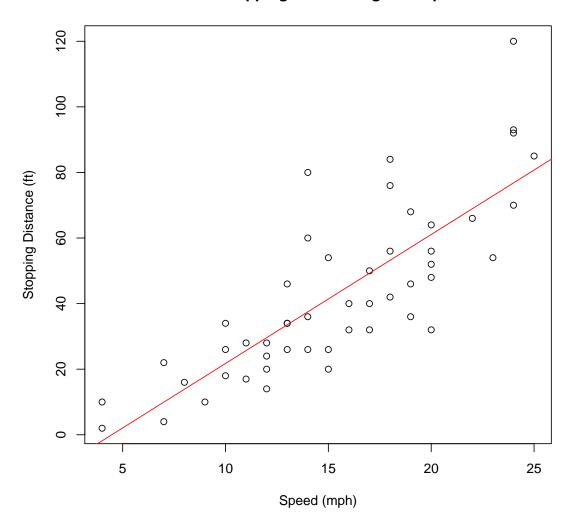
Spring 2020

OUTPUT FOR QUESTION 2.

```
Call:
lm(formula = faithful$waiting ~ faithful$eruptions)
Coefficients:
                  Estimate Std. Error t value Pr(>|t|)
                                       28.98 <2e-16 ***
(Intercept)
                  33.4744
                             1.1549
faithful$eruptions 10.7296
                              0.3148
                                       34.09
                                              <2e-16 ***
Signif. codes: 0 *** 0.001 ** 0.01 * 0.05 . 0.1 1
Residual standard error: 5.914 on 270 degrees of freedom
Multiple R-squared: 0.8115, Adjusted R-squared: 0.8108
F-statistic: \_ on 1 and 270 DF, p-value: < 2.2e-16
```

OUTPUT FOR QUESTION 3.

Plot of Stopping Distance against Speed



Residual plot

