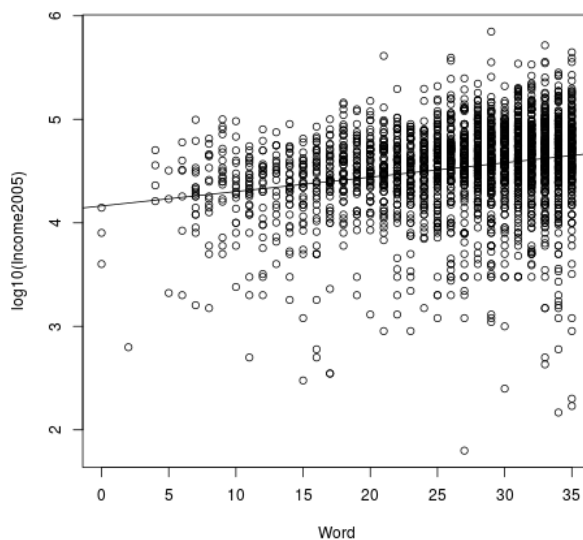# STAT1234 Assignment x

=-=

April 5, 2016

Question EX 10.09. Crab Claws

1. hahahah

2. $qt(0.025, df = 32) = -2.036933$, the 95% confidence interval is $\mu \pm t_{0.025}(32) * SE = 1.6601 \pm (-2.036933) * 0.7889$, which is $(0.05316356, 3.267036)$

Question EX 10.33. IQ Score and Income

1. We draw scatter plots for four test scores.

Figure 1: Word vs log(Income2005)

2. from the summary(lm.all), we find that slope for $Arith$ is 0.0121320, which is bigger than others. And the $p - value$ is $3.34e - 07$. We have to reject the null hypothesis that slope is 0. So we conclude that variable $Arith$ contributes the most.