# Homework 6

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February 21, 2012

- A simple one variable linear regression model. We would include our one independent variable, as it's all we've got. See *hw6_addendum* for results. When you look at the anova value, it is clear here that the p value is highly significant. For the summary data, we can see a base intercept of 159wpm, which changes by around 20wpm per drink. The variables are clearly correlated here.
- We used the dataset *weightRatings* from *languageR*. We used the IVs Sex and Class on the DV rating.
  For the main effects model, we can see that sex is marginally significant, while class is highly significant as a modulator of rating. In the summary, we can see that 'male' sex cases a decrease of .16, wile class 'plant' causes a decrease of 1.89.
  For the interactions model, we see that the p value is statistically insignificant at .70.
  See the addendum for the details.