HOMEWORK #8   Due **TUES** OCT 25

Use the chickwts.txt data set on the course web site to:

1. [2 pts] Test assumptions and conduct an ANOVA for the hypothesis that different chicken feeds caused different weights of chickens.

2. [2 pts] Present a graph of mean weights with 95% confidence intervals, and interpret that graph in light of the ANOVA results, with a recommendation to Farmer Jones on which feed(s) to use.

3. [4 pts] Plants may respond above ground or below ground to grazing, such as by producing more fruits or roots, respectively. Use the ipomopsis.txt data set (on the course web site) to test the hypothesis that grazing stimulates fruit and root production. Back up your conclusions with statistical results that are based on valid assumptions and use a graph to explain your results.

4. [2 pts] What was the power of the grazing experiment analyzed in question 3?