

## Homework 4 (Due Oct. 28)

### **Reading:**

You should read all of Chapter 10, except that you should **skip** the material in Chapter 10.3 on “ $\beta$  for the F Test”, “Data Transformation”, and “A Random Effects Model”.

You should then read Chapter 11.1 and 11.2, except **skip** the material in Chapter 11.1 on “Models for Random Effects” and in Chapter 11.2 on “Multiple Comparisons and “Models with Mixed and Random Effects”. We will **not** cover the material in Chapter 11.3 – 11.4.

### **Homework:**

Chapter 10 #4, 9 (Also compare the pairs of treatments using the Tukey-Kramer multiple comparison procedure.), 26, 29, 42, 46

Chapter 11 #6, 8, 10, 13, 14, 17, 18 (On part e is the result due to non-normality of residuals, or to their heteroscedasticity, or is it impossible to tell? Explain.)

All the data sets here are **very** small. (They are also “balanced” in the two way cases.) So you can do all the necessary computations by hand. However, you may use JMP for these calculations if you wish.