**Homework 2**

Let’s analyze a completely random design!

Data: See attached file

1. Create a potential randomization for a CRD experiment with 5 trts and 30 reps per treatment:
   1. hint: there are functions in the agricolae library that do this for you
   2. you will then use the data file for the remainder of the questions.
2. What is the Null Hypothesis?
3. What is the Alternative hypothesis?
4. What is the Linear model?
5. What is the experimental unit?
6. What are the treatments?
7. How many factors are being studies?
8. How many levels are present?
9. Is the normality assumption true (qqplot)?
10. Complete the ANOVA table for the experiment.
11. Do we accept or reject the null hypothesis?
12. Construct a contrast between two treatments and interpret the result.