HW3

Q1. Use the provided data set hw3_data1. The data shows the driving speeds of cars measured in two different highways.

a. Run t-test, and run ANOVA using the same data set to test the hypothesis that mean speeds of cars in the two highways are the same.

b. Compare the p values from the two tests.

c. What is the relation between t value and F value?

Q2. Use the provided data set hw3_data2. The data shows exam scores of 19 students in a class in four exams.

a. Run RCBD ANOVA to test whether the exam scores were significantly different across four exams or not.

b. Construct normal probability plot of residuals.

HW3

Q3. You can find question 3 in HW3_Q3.m file.

% Data sets are in the Black board.

% For Q1 & Q2, reports R command lines and outputs of the command.

% hard copy please.

% Due on Wed (May 4).