

Project for MA 412, FALL 2017

You are given two sets of data. In each set you have the following information:

Test #1, Test#2, Test#3, Quiz, Home work(HW) ,Final exam scores, # of absences, Grand total and letter grade.

Find the following for each set of data.

1. The mean of each of the nine scores.
2. Draw the scatter plots of the Final grade vs Test#1,Test#2,Test#3, Final exam, Quiz, HW and Attendance
3. Find the correlation coefficient between Final grade and Test#1,Test#2,Test#3,Quiz,HW and attendance.
4. Do you see a significant difference in the two sections based on the results in 1, 2, 3 parts above? Please explain.
5. Find a Prediction equation for each set using multiple linear regression.
6. Use hypothesis testing technique learnt in class to test if there is a difference in the means of the Final exams at the .05 level of significance.
7. Due Nov. 28