**MHS 6401 Datability Project - Template**

by Florida Gulf Coast University

**Directions**

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Make certain to go through the *Data Boot Camp for School Counselors and Administrators*  CD (Sabella, 2007). Now make sure you download and install the EZANALYZE Excel Add-in from<http://www.ezanalyze.com/>. Now you are ready to conduct do some “data snooping” and conduct some analyses using Microsoft Excel™. Submit via email a Word Document report that includes answers to the following questions and related charts when requested:

First open the spreadsheet entitled MS-Excel Spreadsheet Data Working File from the Data Boot Camp CD. You might want to save this onto your hard drive because you won’t be able to save changes on the DVD.

1.       How would you describe the reading scores (i.e., Mean, Median, Mode, Std. Dev., Range, Minimum Value, Maximum Value, and Sum)?

2.       If you could only work with 15 of the 68 students, to whom would you dedicate resources? Why?

3.       When you disaggregate the data for absences by race, grade, or sex, what do you learn, if anything?

4.       What type of correlation exists between absences and reading scores? Include a scatterplot graph of the results.

5.       Is there a statistically significant difference between boys and girls for reading scores (Hint: Independent Samples T-test)? Include a graph.

6.       What is the percent change from Pre to Post?

7.       Was there a statistically significant difference between pre and post test scores (Hint:Paired Sample T-Test). Include a graph.

8.       Is there a statistically significant different between the reading scores in this data set and the state average of 3.1 (independent samples)? Include a graph of the results.

Now open the spreadsheet entitled *NCES School Data for Lee County* from ANGEL.

9.       How many students are on free lunch in Title I schools?

10.     Would you say there are major differences in student to teacher ratios by locale (i.e., Mid-Size Central City, Rural inside CBSA, and Urban Fringe of Mid-Size City)?

11.     Which school has the lowest student to teacher ratio?

**Submit Your Work Here**

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Copy and paste or attach your work here.  Be sure your work is complete before you submit it.

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