**Psy 633**

**Lab 4 Part 2
 Bivariate Correlation & Regression**

**Enter the data set in K & F's Chapter 15: Simple Regression or use the Excel data file.**

**a)    Run Analyze, Regression, Linear. Be sure to request Descriptives.

*Is the correlation significant? If so, explain the relationship.***

**b)    Create a scatterplot with Graphs, Legacy Dialogs, and Scatter/Dot. Then fit the regression line to total. Paste the scatterplot into your assignment please.**

**c)   In the corner of the scatterplot is displayed R2 Linear = 0.739.  What does this mean?  Please be specific.**

**d)   Write out the regression equation.**

**e)  With the above regression equation, what will be the average distance between predicted GPAs and actual GPAs.**

**f)      Use the regression equation to predict GPA when Reading Time = 13 hours.**

**g**)  **What would your advice/warning be to a colleague wanting to use this data set to predict GPA for Reading Time = 35 hours.**