**Question 1**

Show us a scatterplot between two interval level variables.  (Use Excel to chart them.)   Are the results bunched together or far apart?   Is the relationship linear?  Is the relationship non-linear?   Is there no apparent relationship between the two variables?

**Question 2**

We use Pearson’s correlation coefficient as a measure of association between 2 continuous variables.   Give some examples of where two concepts (variables) are correlated, but this does not imply a causal relationship between the two.   Can there be a causal relationship between two items but no correlation?

**Question 3**

Find a study with regression in it.  Report on the model (the regression coefficient and the R-squared) and interpret the results.  By how much does the dependent variable change for a one-unit change in the independent variable?   Is the coefficient significant (i.e., is its t-score close to 2 or above, or does it have a p-value less than .05)?