

Correlational Coefficients Exercise

For each of the following correlations, draw the scatterplot of the relationship. Then, for each, please indicate: **(a) the direction of the relationship, and (b) the strength of the relationship**

1. $r = -.96$ between craving for pizza and ability to concentrate on studying.



a)

b)

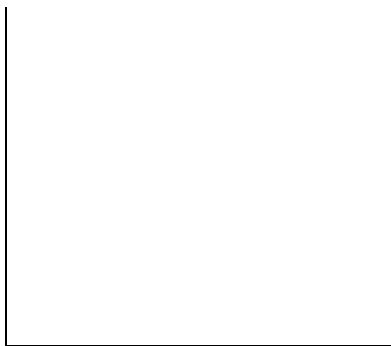
2. $r = .65$ between subjective well-being and extroversion



a)

b)

3. $r = -.53$ between age and likelihood of falsely confessing to a crime.



a)

b)

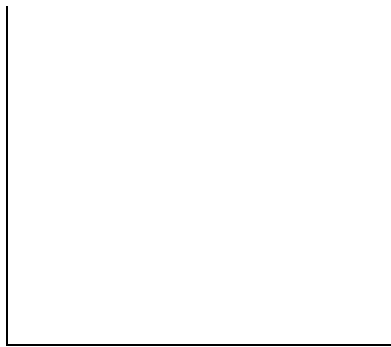
4. $r = .33$ between religiosity and gratitude



a)

b)

5. $r = .79$ between time spent with dogs and level of self-reported happiness.



a)

b)

6. Create your own correlation between two variables. What would the correlation coefficient be? Draw the scatter plot as you did for the examples above.



a)

b)