## Week 12 Polling

A researcher tests the extent to which the timing of a stimulus presentation can be used to predict the frequency of a behavioral response. Which variable is the predictor?

The frequency of a behavioral response

The timing of a stimulus presentation

Both variables are predictors in this example

When pairs of scores for two variables move in the opposite directions, the slope of the regression line

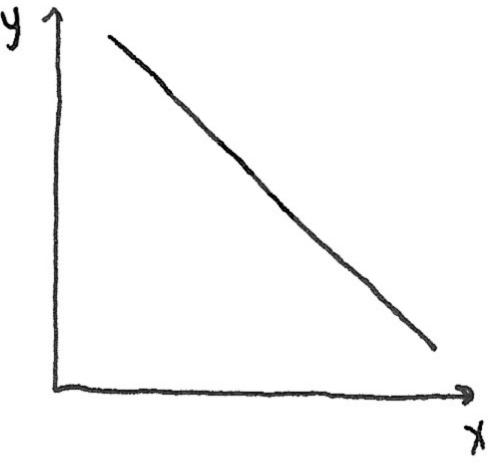
is:

Nonlinear

**Positive** 

**Negative** 

Minimal



A statistical procedure used to compute the intercept and slope of the regression line is called the:

The method of least squares

The method of most squares

The method of common squares

The method of data squares

An analysis of regression measures only the variance in \_\_\_\_ because it is the value we want to predict.

X

The predictor variable



If  $b = .54 \text{ M}_Y = 3.25$ ,  $M_X = 5.85$ , then what is the value of the intercept for the regression line?

0.09 a = My - b(Mx) a = 3.25 - .54(5.85)10.27 a = 3.25 - 3.159a = .09 The standard error of the estimate is a measure of:

The accuracy of predictions made using the equation of a regression line

The square root of the mean square residual

The average distance that data points fall from the regression line

All of the above