

Trends in Two-Variable Data Sets

Terminology

Line of Best Fit – A _____ that passes _____, or as near as possible to, the points on a _____.

Regression Equation – The _____ of a _____.

Correlation Coefficient – A value between ____ and ____ which represents how _____ the points in a data set are, on average, from the _____. The closer the value of ____ is to ____ or ____, the closer the fit. The correlation coefficient does not indicate whether there is a _____ relationship between the variables.

Interpolation – To _____ or _____ a value _____ two other values in a data set.

Extrapolation – To _____ or _____ a value _____ a given data set.

Outlier – An _____ value in a set of data or a value _____ from the main body of data, which does not follow the _____ of the other values in the data set.

Influential Point – A data point with _____ values that greatly affects the _____ of the regression line. Does not _____ the coefficient of determination, _____, rather it _____ it.

Cause and Effect Relationship – A relation where a _____ in the _____ has a predictable _____ on the _____.