

Bivariate data

Relationship question

Data display

Data feature

Model

Relationship description

Prediction

Conclusion

A question about the relationship between two variables

Data involving two variables

Patterns, trends, or other noticeable characteristics in the data

A visual representation of the data, such as a scatter plot

An explanation of the nature and strength of the relationship between the variables

A mathematical equation or function that describes the relationship between the variables

A summary of the findings and their significance

Using the model to estimate a value of one variable given a value of the other variable

Multivariate data set

Continuous variable

Discrete variable

Regression analysis

R-squared (R^2)

A variable that can take on any value within a range

A data set with more than two variables

The process of finding a model that best fits the data

A variable that can only take on specific, distinct values

A statistic that measures the goodness of fit of the model