

Experimental Design Vocab

Hypothesis

Discrete Data

Constant

Operational
Definition

Continuous data

Simple data table

Independent
Variable

Complex data table

Dependent
Variable

Line Graph

Variable

Bar Graph

Repeated Trials

Conclusion

Experimental Design Vocab

A statement of a possible relationship between independent and dependent variables

Levels of IV that are numerical

Any factor in an experiment that is not allowed to change

Tells how a variable is measured; also known as units

Levels of IV that are brands or categories

Created when there is only one trial per level of IV in an experiment

The factor in an experiment that is changed on purpose

Created when there are multiple trials in an experiment

The factor in an experiment that responds to the purposely changed variable

Type of graph created when continuous (numbers) data is collected

Any factor in an experiment that changes

Type of graph created when discrete (brands/ categories) data is collected

Used to reduce the effects of chance errors

Statement in past tense sums up results of experiment