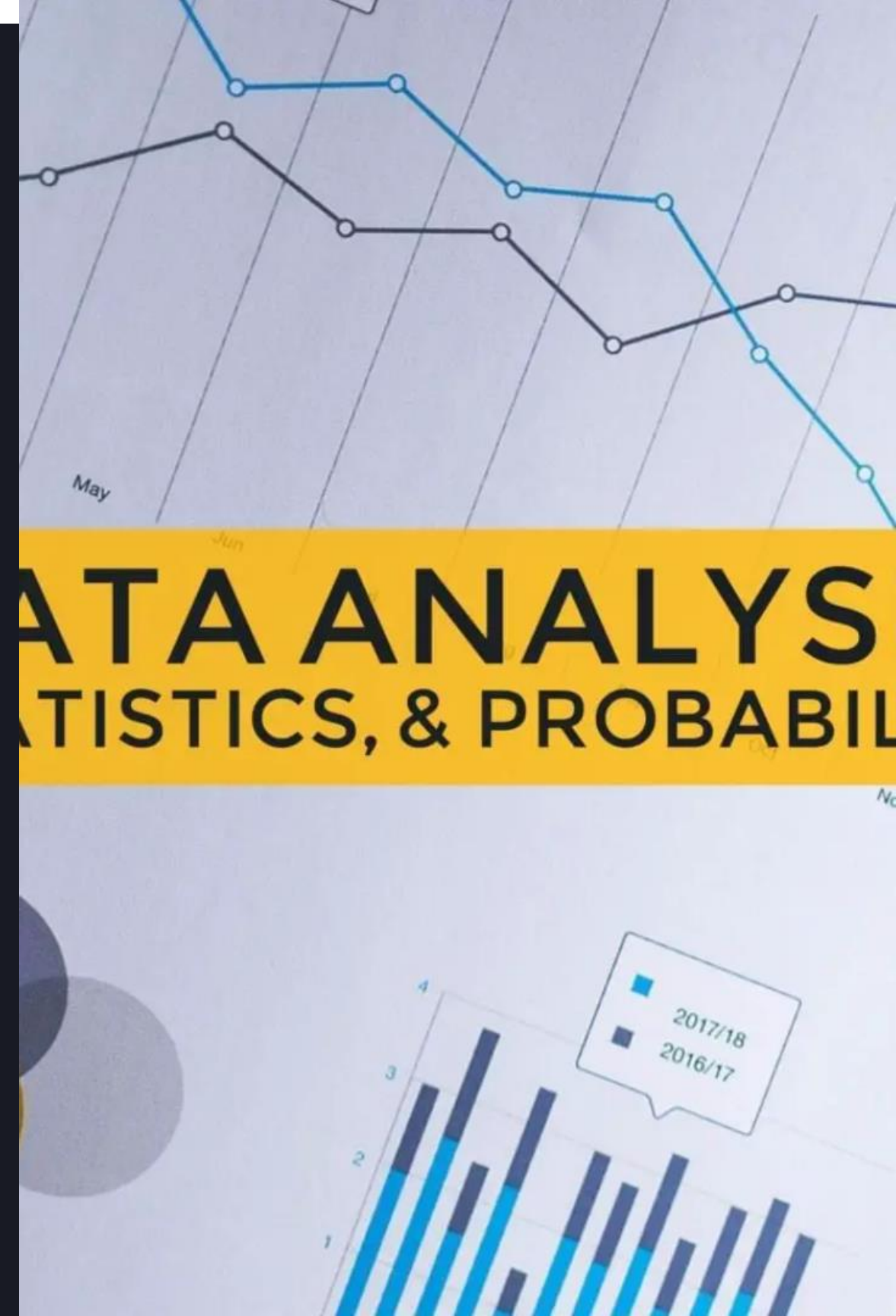


Characteristics of Statistics

SGK GOVT DEGREE COLLEGE, VINUKONDA
LECTURER IN COMMERCE

○ CH. vijaya kalpana





Definition of Statistics

Statistics is the study of data collection, organization, analysis, interpretation, and presentation. It provides insights into trends, patterns, and relationships within a dataset.

Uses of Statistics

1

Decision Making



Statistics helps in informed decision making by providing quantitative evidence and insights.

2

Research

It is an essential tool in scientific research, aiding in data analysis to draw meaningful conclusions.

3

Forecasting

Statistical models and techniques enable predictions and projections of future outcomes.

Types of Statistics

Descriptive Statistics

Summarizes and describes data using measures like mean, median, and standard deviation.

Inferential Statistics

Uses sample data to make generalizations or predictions about a population.

Probability

Deals with uncertainty and calculates the likelihood of events occurring.

Data Collection Methods

<input type="checkbox"/> Dine in <input type="checkbox"/> Take out <input type="checkbox"/> Breakfast <input type="checkbox"/> Lunch <input type="checkbox"/> Dinner				
The name of your server: _____				
What did you order? _____				
Quality of food:	<input type="checkbox"/> Excellent	<input type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor
Portion size:	<input type="checkbox"/> Excellent	<input type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor
Ease of Ordering:	<input type="checkbox"/> Excellent	<input type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor
Service:	<input type="checkbox"/> Excellent	<input type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor
Cleanliness:	<input type="checkbox"/> Excellent	<input type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor
Overall Value:	<input type="checkbox"/> Excellent	<input type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor
Comments? _____				

Surveys

Gather information by questioning a sample or population using structured forms.



Interviews

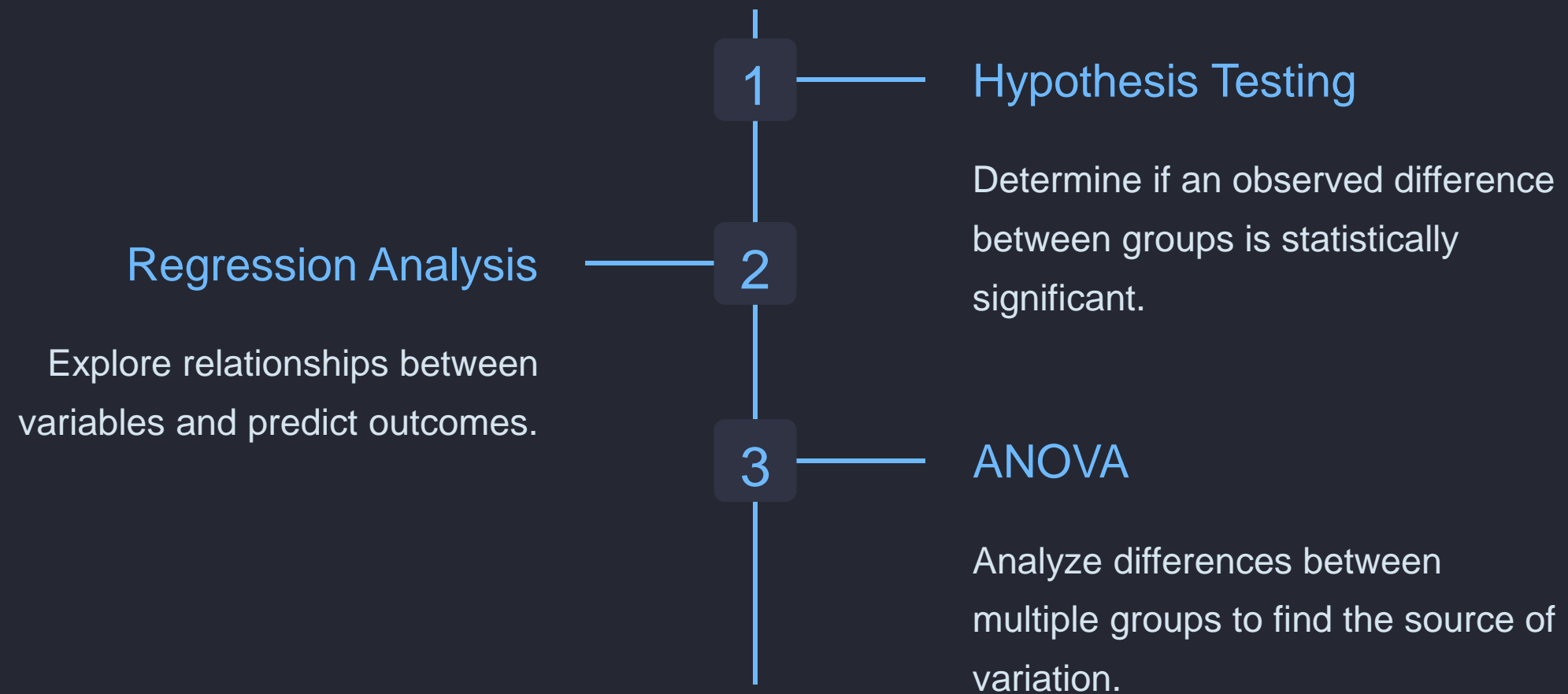
Collect data through face-to-face discussions or phone conversations with individuals or groups.



Observations

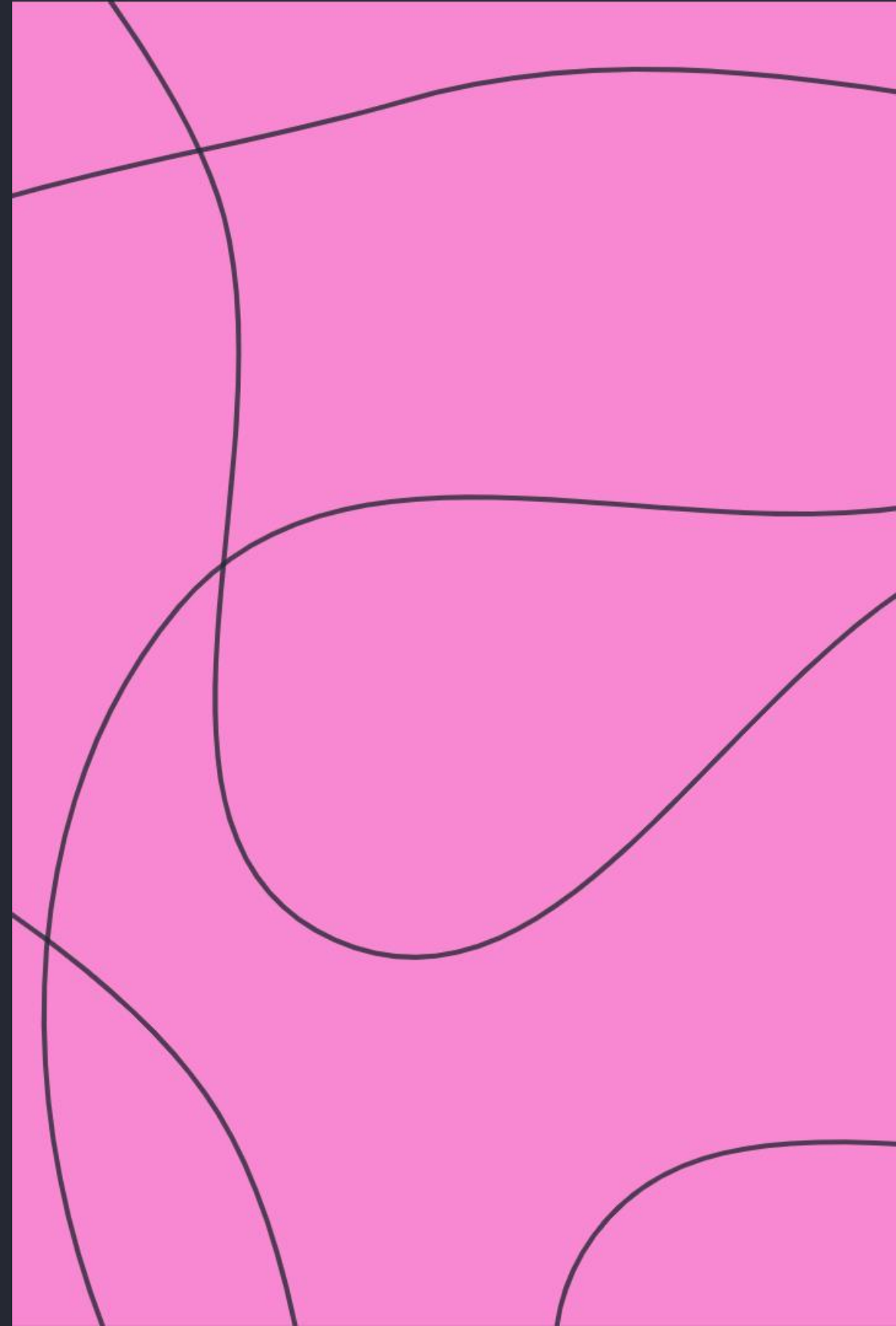
Record data by systematically watching and recording behaviors or events.

Statistical Analysis Techniques



Interpretation of Statistical Results

Interpreting statistical results involves understanding the context, evaluating significance, and drawing meaningful conclusions that inform decisions and actions.



Applications of Statistics in Various Fields

Business

Identifying market trends, analyzing financial data, and optimizing business processes.

Healthcare

Assessing treatment effectiveness, analyzing disease patterns, and conducting clinical trials.

Social Sciences

Studying human behavior, conducting surveys, and analyzing demographic data.