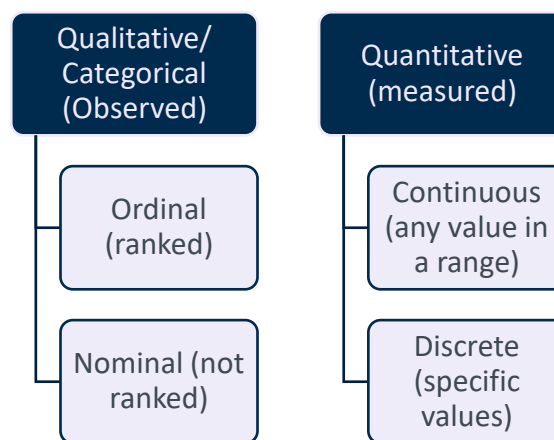


Introduction to Statistics

Data Processing Stages involved in Statistics



Classification of Primary & Secondary Data used in Statistics



Examples of Sorting of Data used in Statistics

Coding e.g. Fruit = 1, Vegetables = 2, Junk = 3

Grouping e.g. Age groups 25 – 34, 35 – 44, 45 – 54, 55 – 64, etc.

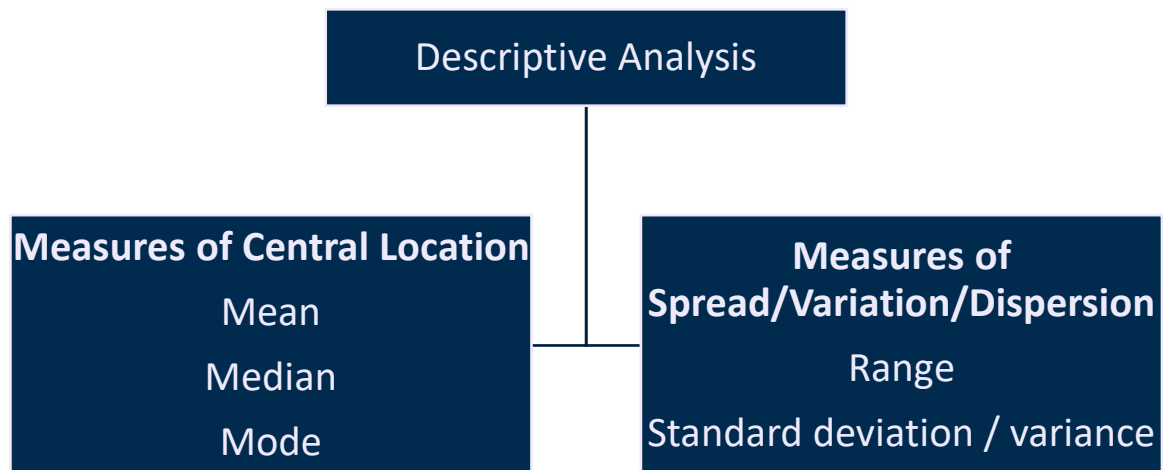
(**COUNT**, **COUNTIF** & **COUNTIFS Functions** can be used to obtain frequency of grouped data in MS Excel)

Analysis of Data used in Statistics

Descriptive Analysis: to describe the properties of data

Inferential Analysis: to draw conclusions or take decisions about data

Descriptive Statistics



Exercise: Use the data in the table below to:

1. Complete the descriptive statistics of weight, height and BMI (BMI = Weight (in kg)/ Height ² (in metres))
2. Make a scatter plot of BMI against Age

	A	B	C	D	E	F	G
1	Patients' data						
2	Name	Diet	Age	Weight (kg)	Height (cm)	Height (m)	BMI (kg/m ²)
3	Alisha	Fruit	55	123.4	183		
4	Allan	Vegetables	61	74.8	165		
5	Herring	Fruit	45	101.2	163		
6	Jake	Vegetables	29	91.2	157		
7	Owen	Fruit	38	87.5	173		
8	Rivas	Vegetables	48	131.1	160		
9	Skylar	Junk	41	96.6	178		
10	Thompson	Junk	37	85.3	168		
11	Jerry	Vegetables	45	105.6	160		

Alt text: Screenshot image of Excel spreadsheet with patients' data including name, diet, age, weight & height.

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