Types of Data

Study Smiles

Raw Data — As collected

Numerical observations or measurements — Quantitative

Qualitative — Non-numerical observations

Continuous — Can take any value on a continuous numerical scale

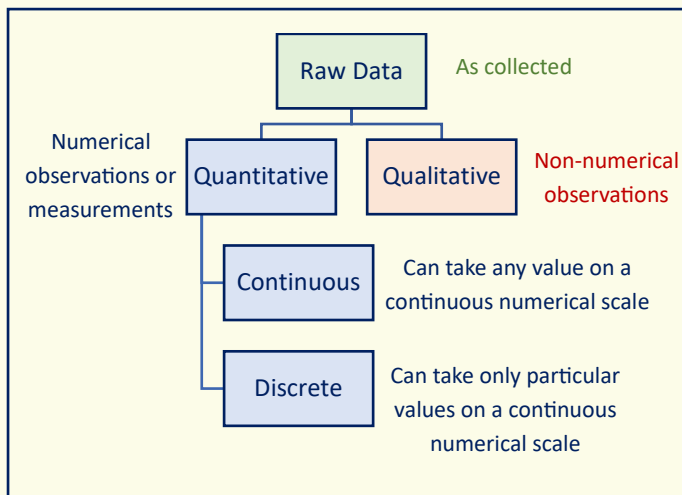Discrete — Can take only particular values on a continuous numerical scale

Categorical data can be sorted into non-overlapping categories

Ordinal data can be written in order or given a numerical rating scale

Bivariate data is pairs of related data

Multivariate data involves 3 or more related data values

Answers

Number of sheep in a field	Quantitative and Discrete
Nationality of a football player	Qualitative
Time taken to solve a Rubik's cube	Quantitative and Continuous
Colour of a car	Qualitative
Age and shoe size	Bivariate
Type of pet owned	Qualitative
The mass of a suitcase	Quantitative and Continuous
Number of people watching a cricket match	Quantitative and Discrete
The length of a piece of string	Quantitative and Continuous