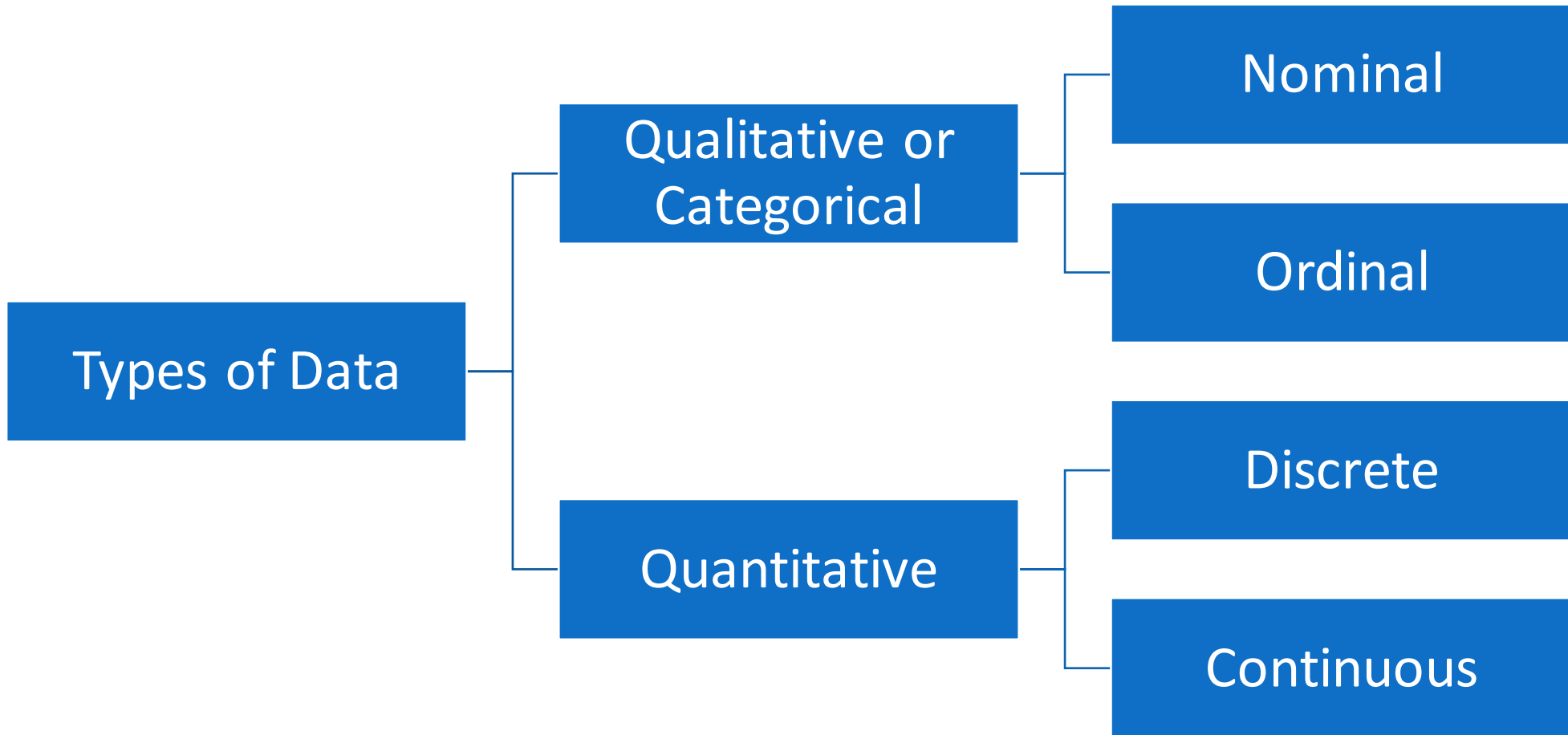




Start-Tech Academy

TYPES OF DATA




QUALITATIVE DATA

A variable that cannot assume a numerical value but can be classified into two or more nonnumeric categories is called a qualitative or categorical variable. The data collected on such a variable are called **qualitative** data.

Types

There are **two types** of Qualitative variables:

1. **Nominal Variables** The values are not ordered. Example: Nationality, Gender etc.
2. **Ordinal Variables** - The values are ordered or ranked. Example: Satisfaction score (Not satisfied, Satisfied, Delighted), Spiciness of food (Less spicy, mild & Hot )



QUANTITATIVE DATA

A Variable that can be measured numerically is called a quantitative variable.
The data collected on a quantitative variable are called quantitative data.

TYPES

There are **two types** of Quantitative variables:

1. **Discrete Variables** - A variable whose values are countable is called a discrete variable. In other words, a discrete variable can assume only certain values with no intermediate values. Example: Number of heads in 10 tosses etc.
2. **Continuous Variables** - A variable that can assume any numerical value over a certain interval or intervals is called a continuous variable. Example: Height of person etc.

