

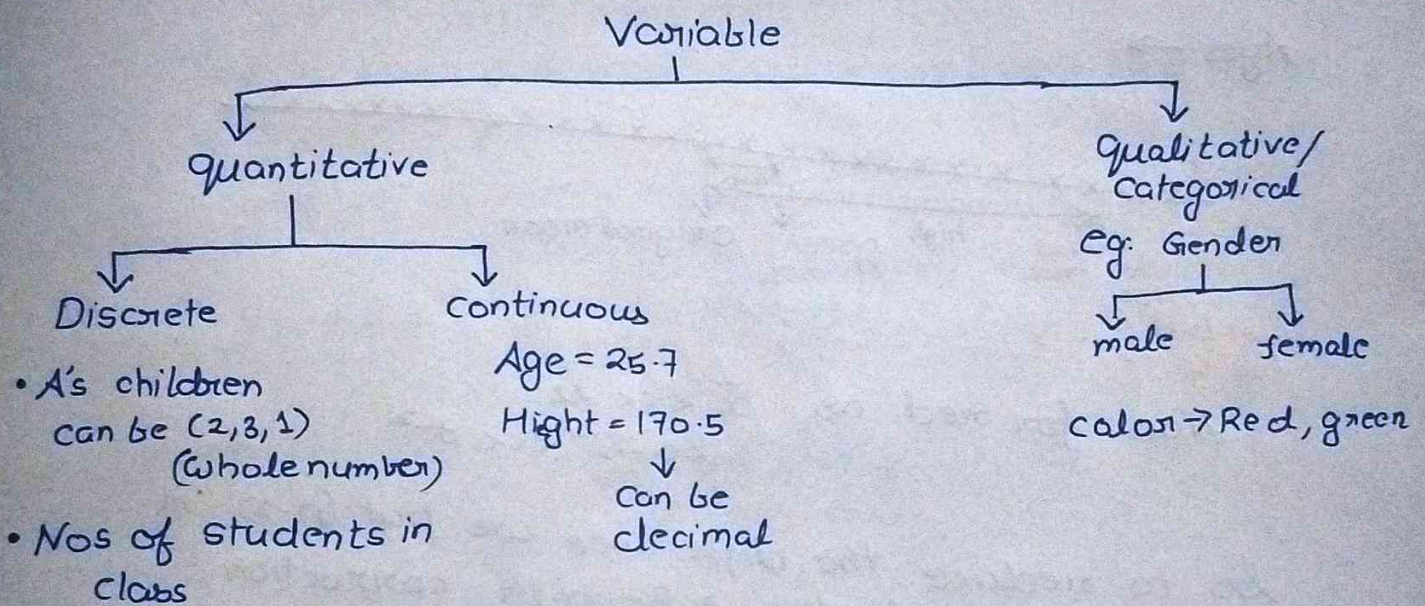
What are variables

Variable: It is property that can take up any value

✓ Age = 25
Variable

Ages = [25, 30, 23, 45]
↳ Not variable

Types of variables



Random Variables

$X \rightarrow$ notation

$$y = 5x + 2$$

$$\begin{array}{ll} x=1 & y=7 \\ x=2 & y=12 \end{array}$$

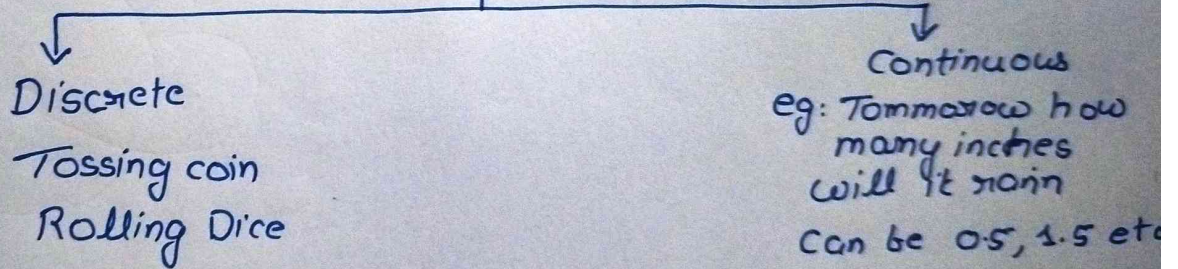
$X \rightarrow$ function \Rightarrow values \Rightarrow Process/Exp

$$X = \left\{ \begin{array}{l} \text{Tossing of coin} \\ \text{Rolling of Dice} \end{array} \right\}$$

$$X = \left\{ \begin{array}{l} 1 \leftarrow H \\ 0 \leftarrow T \end{array} \right\} \text{ (coin toss)}$$

Types of Random Variable

Random Variables



Random variable gets its value through process or experiment