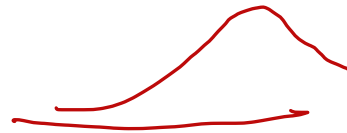


# Types of Probability Distribution(PDF, PMF, CDF)

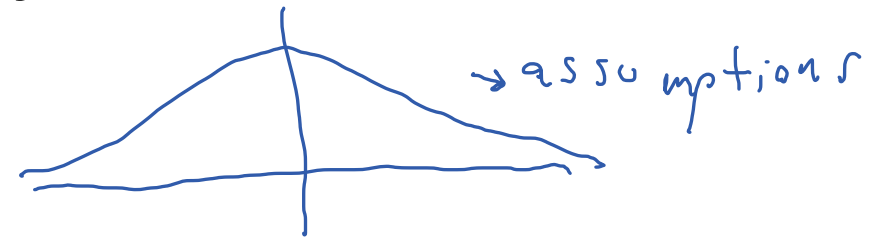
Ages, Weight, Salary

DATASET => Distribution



↓  
set of

- 1) Bernoulli Distribution ---> Outcomes are binary (PMF) => Discrete random Variable
- 2) Binomial Distribution ---> (PMF)
- 3) Normal/ Gaussian Distribution ---> (PDF) →
- 4) Poisson Distribution (PMF)
- 5) Log Normal Distribution (PDF)
- 6) Uniform Distribution(PMF)



Data science

Dataset ---> House price prediction dataset [EDA, FE] ---> Data Analysis

Size of the house	Number of rooms	Location	Floor	Sea Side	Price
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Continuous  
random  
variable  
pdf

{ Discrete }

{ Discrete }  
PMF

{ 0/1 }  
PMF

Continuous  
PDF