Type of Probability Distribution:

Each dataset may follow a different distribution.

1. Bernoulli Distribution: Outcomes are completely binary

Eg: Tossing a coin

Since we will plotting a discrete random variable which has discrete values, probability mass function would be used to plot the distribution.

2. Binomial Distribution: Also contains discrete values so we will use a probability mass function.

3. Normal / Gaussian Distribution: Plotted using a Probability density function.

4. Poisson distribution: Plotted using a Probability mass function.

5. Log normal distribution: Plotted using Probability density function.

6. Uniform distribution: Plotted using Probability mass function.

Based on distribution of data, we can make assumptions about it.

Example: For house price analysis, sea side or not is binary, price is continuous variable, no of rooms is discrete random variable, etc.

This will help in EDA,FE.