**Data Handling**

1. Numpy -- array handling
2. pandas -- dataframe, import and export

**Data Cleaning**

1. smote

**Data visualization**

1. matplotlib bokeh
2. seaborn

**Statistical Leaning**

1. scipy
2. stats model

**Maching Leaning - models**

1. sklearn
2. automl
3. auto-sklearn

**Deep Leaning**

1. Tensorflow
2. pytorch
3. kevas

**NLP**

1. nltk
2. gensim
3. spacy
4. stanford-nlp

**Properties of normal distribution**

1. It is a bell shaped curve
2. Mean , median and mode are centered and equal to each other (hypothetical rule)
3. The distribution is symmetrical around the mean
4. It follows the empirical rule
5. It is asymptotic to the x-axis (The distribution never touches the x-axis)

**Types of Probablity**

1. Classical
2. Subjective
3. Empirical

* For conditional probablity calculations using contigency table we need two binary discrete columns.

**Mutual Events**

1. Mutually Exclusice events
2. Mutually Non-Exclusice events

**Independent Events**

**Non-Independent Events**