

STEPS INVOLVED



DATA COLLECTION



DATA PREPROCESSING-MISSING DATA



DATA CLEANING-ERRORS REMOVAL



DATA NORMALISATION-FEATURES HAVE SAME MAGNITUTE



MODEL SELECTION-L.R,DECISION TREE,SVM,RANDOM FOREST



MODEL TRAININGModel learns patterns
and relationships in the
data



MODEL EVALUATION-ACCURACY AND PRECISION

LIBRARY AND IT'S WORK

1.NUMPY-(ndarrays) Example:

```
import numpy as np
arr=np.array([1,2,3,4,5])
```

2.PANDAS-importing, analysis and manipulation of data

Example:

```
import pandas as pd
df=pd.readcsv("data.csv")
```

3.Matplotlib-: Data visualization library for creating static, interactive, or animated plots

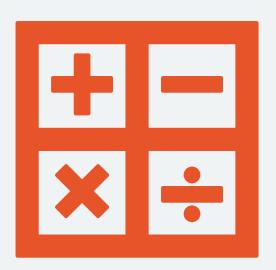
Example:

```
import matplotlib.pyplot as plt
plt.plot([1, 2, 3, 4], [1, 4, 9, 16])
plt.show()
```

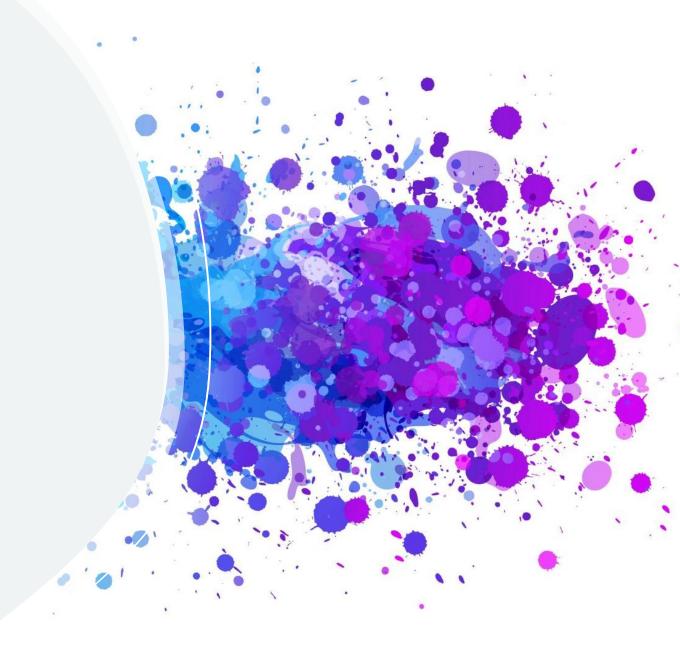
4. **Cufflinks (for Plotly in Pandas)-**A library that connects Plotly with Pandas to create interactive visualizations easily.

Example:

```
import cufflinks as cf
cf.go_offline()
df.iplot(kind='scatter', x='x', y='y', mode='markers')
```



DEMO OF THE PROJECT



APPLICATION OF CANCER PREDICTION SYSTEM

- 1. Early Detection
- 2. Risk Assessment-risk of developing cancer based on various factors like age, lifestyle, family history, and environmental exposures.
- 3. Personalised Medicine
- 4. Patient Outcome Prediction-survival rates and response to different treatment regimens.
- 5. Public Health Planning





THANKYOU!