**US ELECTION – DATA ANALYSIS**

**1.IMPORTING PANDAS:**

import pandas as pd

**2.IMPORTING CSV FILE:**

us\_election=pd.read\_csv(r'C:\Users\hp\Downloads\2020 November General Election - Turnout Rates.csv')

**3.TO SEE THE DATASET:**

us\_election

* Dataset will be displayed.

**4.TO IDENTIFY THE SHAPE OF THE DATASET:**

us\_election.shape

(52, 15) – which means 52 rows and 15 columns.

**5.TO DISPLAY FIRST 3 RECORDS FROM DATASET:**

us\_election.head(3)

**6. TO DISPLAY LAST 3 RECORDS FROM DATASET:**

us\_election.tail(3)

**7.TO DISPLAY NOTNULL VALUES:**

us\_election.notnull().sum()

**8.TO DISPLAY NULL VALUES:**

us\_election.isnull().sum()

**9.SETTING HEADING OF THE DATAFRAME:**

us\_election.style.set\_caption("US Election Details")

**10.SHOWING ALL THE STATES OF US:**

us\_election['State']

**11.SHOW THE RECORDS OF SOME STATES:**

us\_election[us\_election['State'].isin(["West Virginia","New York","California"])]

**12.DROP OVERSEAS ELIGIBLE COLUMN:**

us\_election.drop('Overseas Eligible',axis=1)

**13. TO DROP OVERSEAS ELIGIBLE COLUMN PERMANENTLY:**

us\_election.drop('Overseas Eligible',axis=1,inplace=True)

**14.TO VERIFY:**

us\_election.head(1)

**15.ADD SUFFIX TO THE COLUMN NAMES:**

us\_election=us\_election.add\_suffix('\_election')

**16.TO GET INFORMATION OF DATASET:**

us\_election.info()

**17.RETURNS COLUMN CONTAINING COUNT OF UNIQUE VALUES:**

us\_election.State\_election.value\_counts()

**18.GROUPBY STATE COLUMN:**

us\_election.groupby("State\_election").Probation\_election.sum()