

DATASCIENCE WITH PYTHON

PYTHON FOR EVERYONE

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Submitted to
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MAIN PROJECT REPORT

DATA SCIENCE WITH PYTHON

INTRODUCTION

The Vice President of India is the deputy to the head of state of the Republic of India, i.e. the president of India. The office of vice president is the second-highest constitutional office after the president and ranks second in the order of precedence and first in the line of succession to the presidency. The vice president is also a member of the Parliament of India as the ex officio chairman of the Rajya Sabha.

Article 66 of the Constitution of India states the manner of election of the vice president. The vice president is elected indirectly by members of an electoral college consisting of the members of both Houses of Parliament and not the members of state legislative assembly by the system of proportional representation using single transferable votes and the voting is conducted by Election Commission of India via secret ballot. The vice president also acts as the chancellor of the central universities of India

Jagdeep Dhankhar of the Bharatiya Janata Party is the current vice president. He became vice president after defeating Indian National Congress candidate Margaret Alva in the 2022 Indian Vice Presidential election

QUALIFICATION

To be qualified to be elected as Vice President, a person must:

Be a citizen of India.

Be at least 35 years of age.

Not hold any office of profit.

The Vice President must be qualified for election as a member of the Rajya Sabha.

TERM

The Vice President holds office for five years.

IMPORTANCE OF VICE PRESIDENT ELECTION

To Succeed to the presidency upon the death or resignation of a president. Moreover, a vice president's only constitutional duty is to preside over the senate. Vice President cannot vote in the senate, except to break a tie, nor may they formally address the Senate, except with senators' permission.

DATA AND METHODOLOGIES

```
import pandas as pd

import numpy as np
import matplotlib.pyplot as plt
from scipy.optimize import curve_fit
import seaborn as sns

import plotly.express as px
import plotly.graph_objects as go

csv_data_path = "Vice_President_data.csv"

data= pd.read_csv(csv_data_path)

data
```

	No.	Vice President	Home State	Term of office Assumed Office	Term of office Left Office	Term of office Time in Office	Election	President	Political Party
0	1	Sarvepalli Radhakrishnan(1888–1975)	Tamil Nadu	13 May 1952	12 May 1957	10.000	1952	Rajendra Prasad	Independent
1	1	Sarvepalli Radhakrishnan(1888–1975)	Tamil Nadu	13 May 1957	12 May 1962	10.000	1957	Rajendra Prasad	Independent
2	2	Zakir Husain(1897–1969)	Telangana	13 May 1962	12 May 1967	5.000	1962	Sarvepalli Radhakrishnan	Independent
3	3	Varahagiri Venkata Giri(1894–1980)	Odisha	13 May 1967	3 May 1969	1.355	1967	Zakir Husain	Independent
4	4	Gopal Swarup Pathak(1896–1982)	Uttar Pradesh	31 August 1969	30 August 1974	5.000	1969	Varahagiri Venkata	Independent
5	5	B. D. Jatti(1912–2002)	Karnataka	31 August 1974	30 August 1979	5.000	1974	Fakhruddin Ali Ahmed	Indian National Congress
6	6	M. Hidayatullah(1905–1992)	Uttar Pradesh	31 August 1979	30 August 1984	5.000	1979	Neelam Sanjiva Reddy	Independent
7	7	R. Venkataraman(1910–2009)	Tamil Nadu	31 August 1984	24 July 1987	2.327	1984	Giani Zail Singh	Indian National Congress
8	8	Shanker Dayal Sharma(1918–1999)	Madhya Pradesh	3 September 1987	24 July 1992	4.325	1987	R. Venkataraman	Indian National Congress
9	9	K. R. Narayanan(1920–2005)	Kerala	21 August 1992	24 July 1997	4.337	1992	Shanker Dayal Sharma	Indian National Congress
10	10	Krishan Kant(1927–2002)	Punjab	21 August 1997	27 July 2002	4.340	1997	K. R. Narayanan	Janata Dal
11	11	Bhairon Singh Shekhawat(1923–2010)	Rajasthan	19 August 2002	21 July 2007	4.336	2002	A. P. J. Abdul Kalam	Bharatiya Janata Party
12	12	M. Hamid Ansari(1937–)	West Bengal	11 August 2007	10 August 2012	10.000	2007	Pratibha Devisingh Patil	Indian National Congress
13	12	M. Hamid Ansari(1937–)	West Bengal	11 August 2012	10 August 2017	10.000	2012	Pranab Mukherjee	Indian National Congress
14	13	M. Venkaiah Naidu(1949–)	Andhra Pradesh	11 August 2017	10 August 2022	5.000	2017	Ram Nath Kovind	Bharatiya Janata Party
15	14	Jagdeep Dhankhar(1951–)	Rajasthan	11 August 2022	Incumbent	0.200	2022	Droupadi Murmu	Bharatiya Janata Party

We have use the above data for our main project in which we did analysis on Vice President Data.In which, There are 8

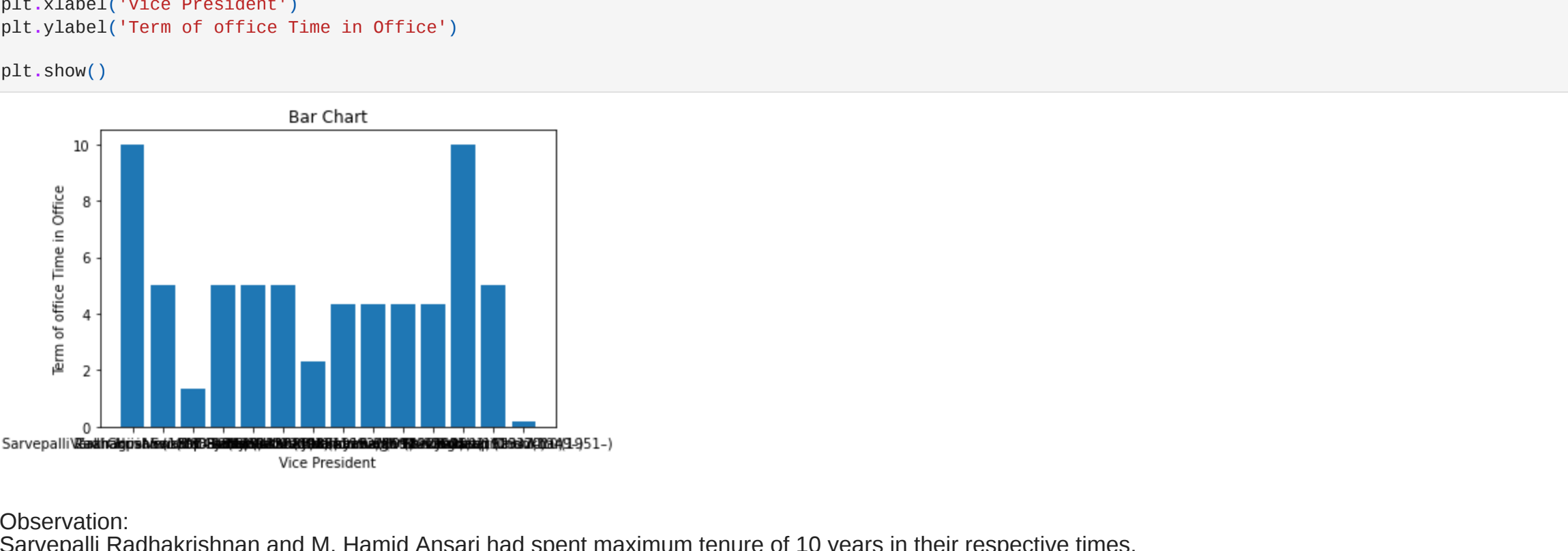
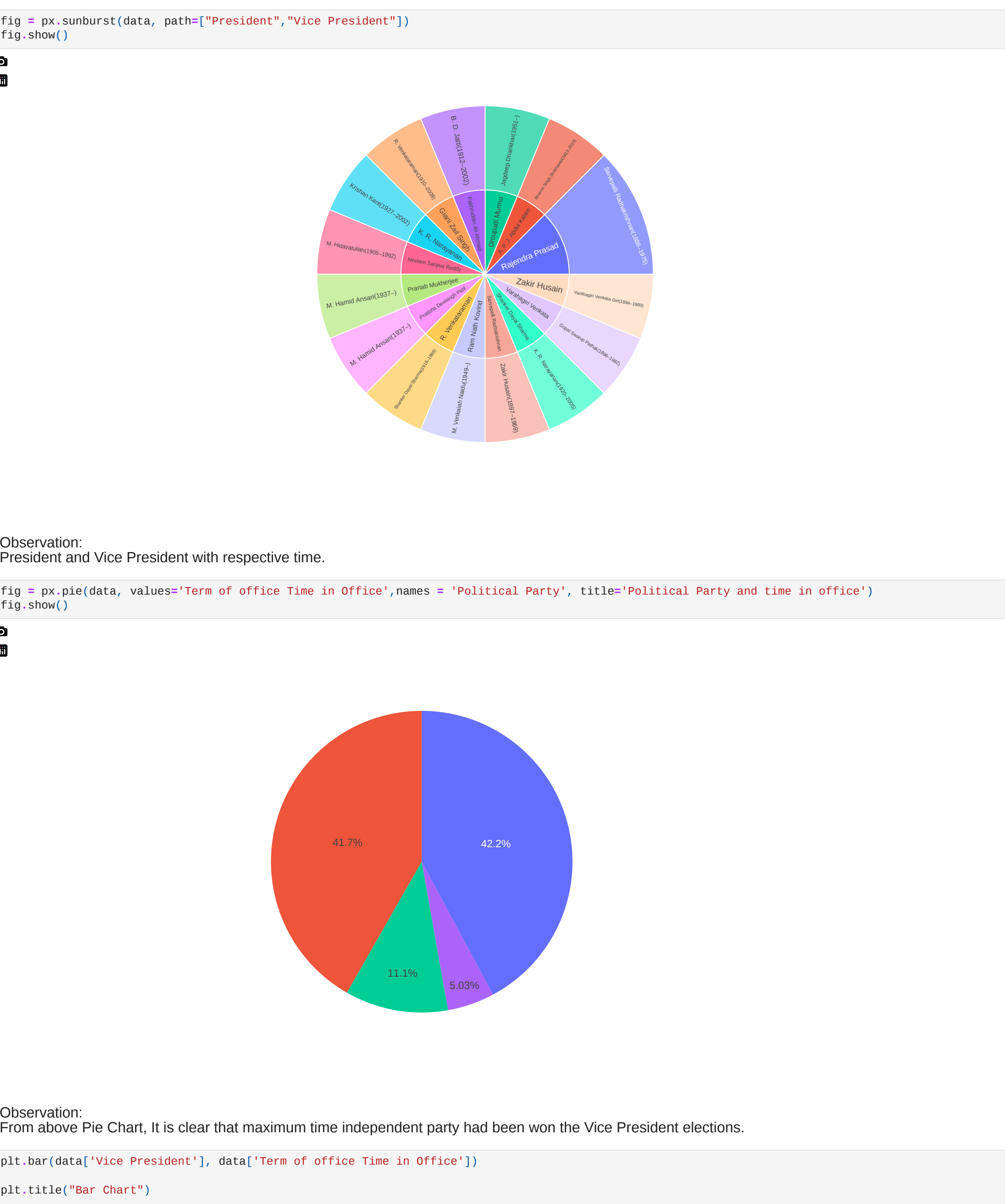
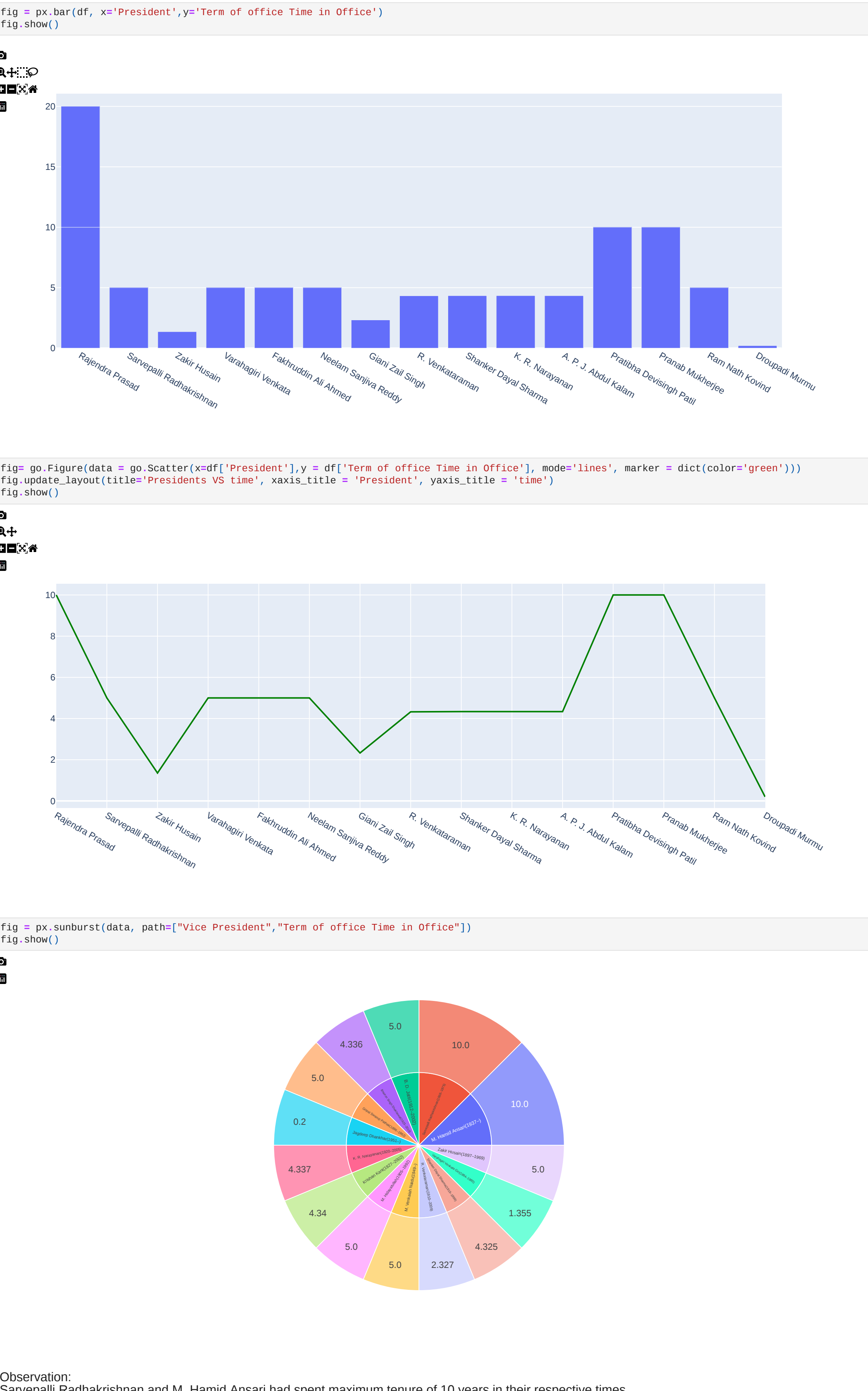
We have use the above data for our main project in which we did analysis on Vice President Data.In which, There are 8 columns and 16 rows.The 8 columns of data are following:

['No.', 'Vice President', 'Home State', 'Term of office Assumed Office','Term of office Left Office', 'Term of office Time in Office','Election', 'President', 'Political Party']

METHODOLOGIES

We have use pandas and matplotlib libraries to explore the vice president data. We have use pandas to explore the data. We have use matplotlib to make Pie chart, Histogram, Bar Graph, Sunburst to show visualization of vice President Data.

RESULTS AND DISCUSSION



CONCLUSION

FROM ABOVE DATA OBSERVATION, WE CONCLUDE THAT FROM TILL NOW INDEPENDENT PARTY WON MAXIMUM TIMES.ALSO, WE GOT VICE PRESIDENT MAXIMUM THRE TIMES FROM STATE TAMIL NADU.SARVEPALLI RADHAKRISHNNAN AND M. HAMID ANSARI SERVE THEIR DUTY IN BEST WAY BECAUSE THEY HAD SPENT MAXIMUM TENURE OF 10 YEARS IN THEIR RESPECTIVE TIMES.IN THE PRESENT TIME, DRAUPADI MURMU IS SERVING AS A VICE PRESIDENT OF INDIA.