

Election Result Analysis

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[project link](#)

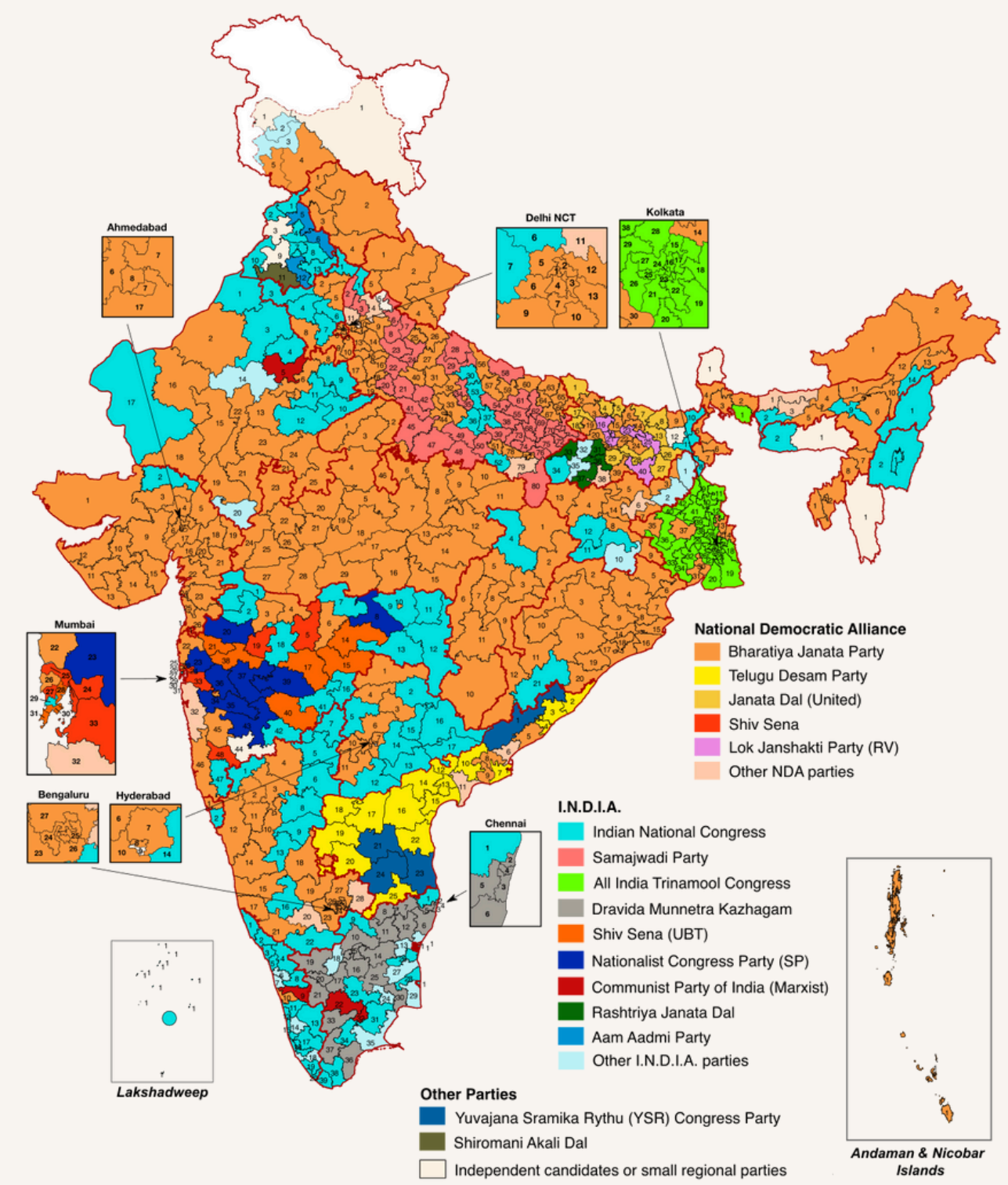




Table of content

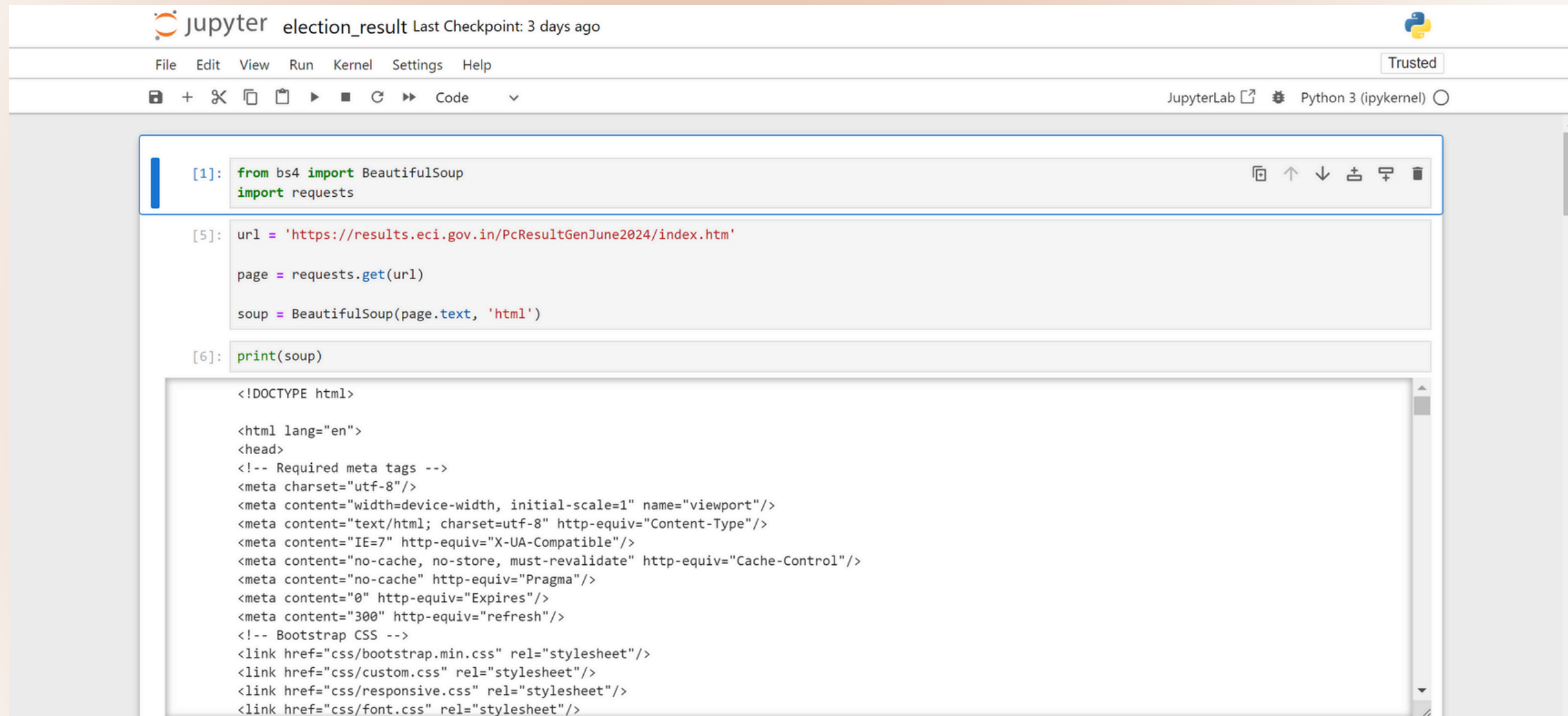
About	3
Methodology	4
Key Insights	7
Conclusion	18
Contact	19

About the Task

In the given task, I have scraped data from the ECI website and created the following analysis. In this presentation I will be showing the process and the insights that I have developed.

Methodology

Step - 1: From the website given I scraped 5 table data. The web scrapping was done using Python in Jupyter Notebook. Here is an example snippet of the code.

A screenshot of a Jupyter Notebook interface. The top bar shows the Jupyter logo, the name 'election_result', and 'Last Checkpoint: 3 days ago'. Below this is a menu bar with 'File', 'Edit', 'View', 'Run', 'Kernel', 'Settings', and 'Help'. A 'Trusted' button is on the right. The toolbar includes icons for saving, adding, deleting, and running code. The main area displays a code cell with the following Python code:

```
[1]: from bs4 import BeautifulSoup
import requests

[5]: url = 'https://results.eci.gov.in/PcResultGenJune2024/index.htm'

page = requests.get(url)

soup = BeautifulSoup(page.text, 'html')

[6]: print(soup)
```

The output of the code is visible below the cell, showing the HTML structure of the webpage, including the DOCTYPE, lang attribute, and various meta tags and CSS links.

Step - 2: Using Pandas dataframe the table was obtained which was then exported as a csv file becoming the dataset used for analysis.. Here is an example snippet of the code.

jupyter election_result Last Checkpoint: 3 days ago

File Edit View Run Kernel Settings Help

Trusted

JupyterLab Python 3 (ipykernel)

```
[25]: import pandas as pd

[28]: df = pd.DataFrame(columns = world_table_titles)

df

[28]: Party Won Leading Total

[30]: column_data = table.find_all('tr')

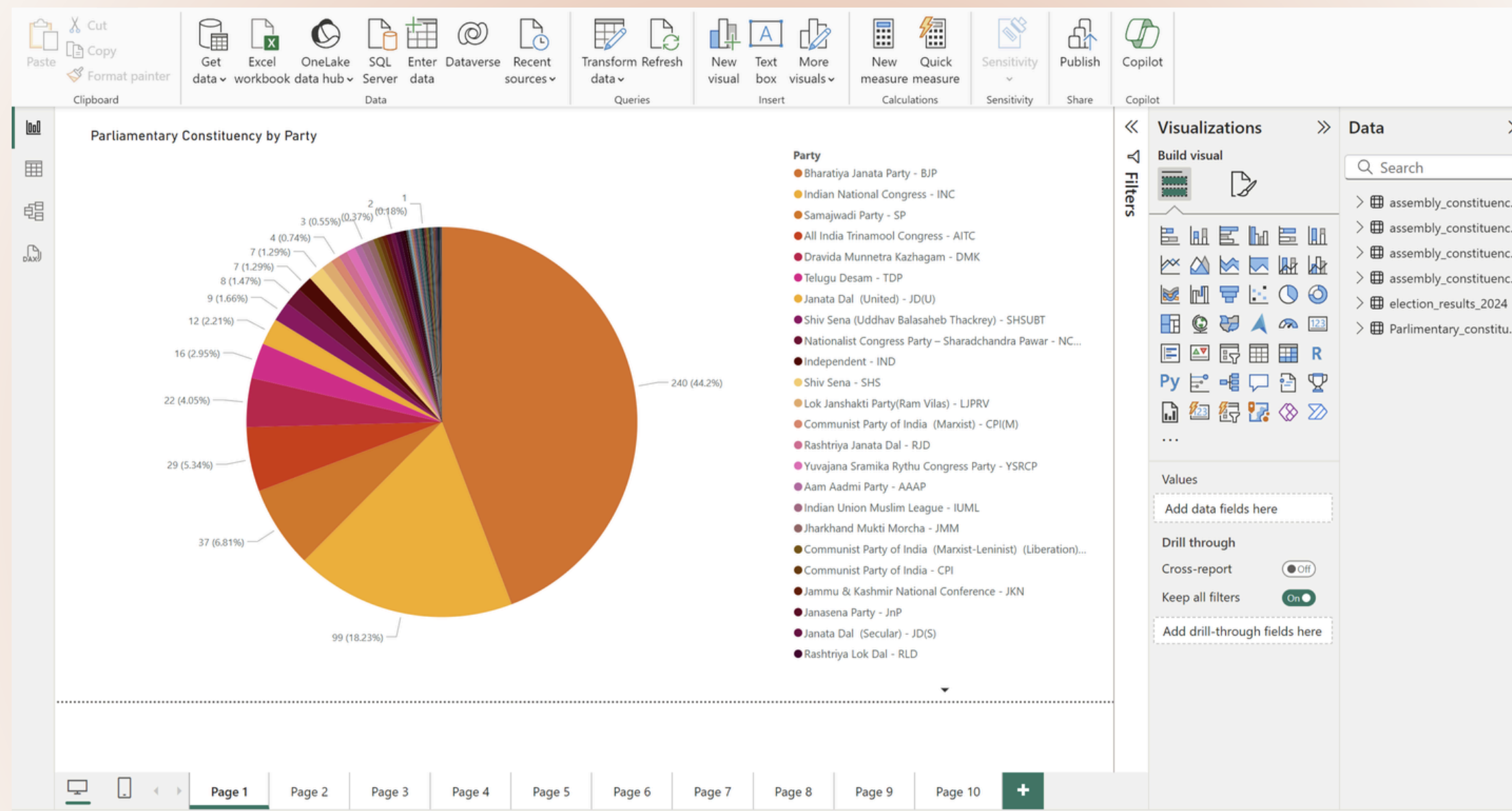
[39]: for row in column_data[1:43]:
    row_data = row.find_all('td')
    individual_row_data = [data.text.strip() for data in row_data]
    #print(individual_row_data)
    length = len(df)
    df.loc[length] = individual_row_data

[40]: df

[40]:
```

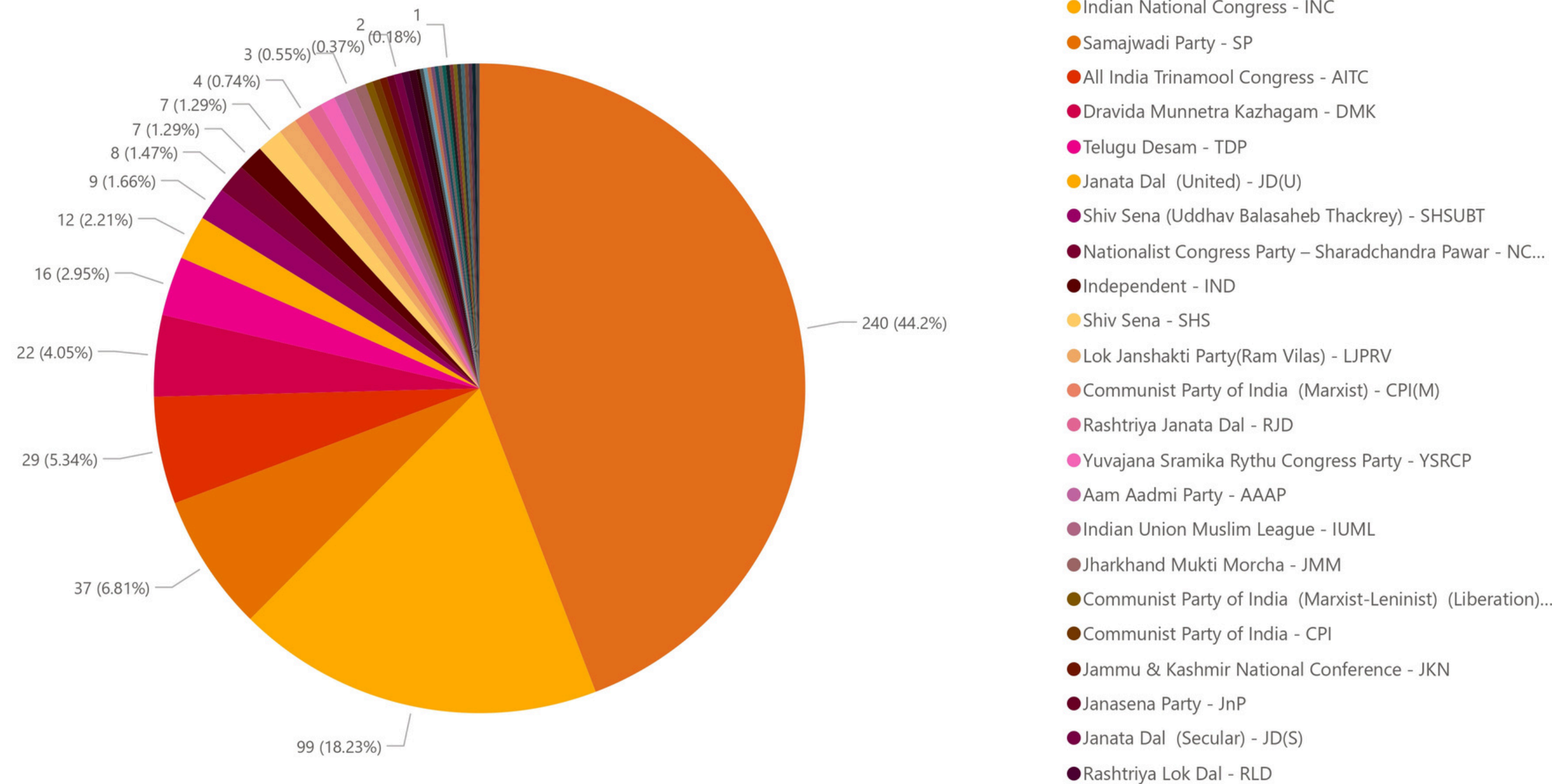
	Party	Won	Leading	Total
0	Bharatiya Janata Party - BJP	240	0	240
1	Indian National Congress - INC	99	0	99
2	Samajwadi Party - SP	37	0	37
3	All India Trinamool Congress - AITC	29	0	29
4	Dravida Munnetra Kazhagam - DMK	22	0	22
5	Telugu Desam - TDP	16	0	16
6	Janata Dal (United) - JD(U)	12	0	12
7	Shiv Sena (Uddhav Balasaheb Thackrey) - SHSUBT	9	0	9

Step - 3: For analysis I have used the visualization tool Power BI. In this I have imported my dataset (i.e. my csv files) and performed various operations to finally lay down 10 key insights. (I will be attaching all the key insights)

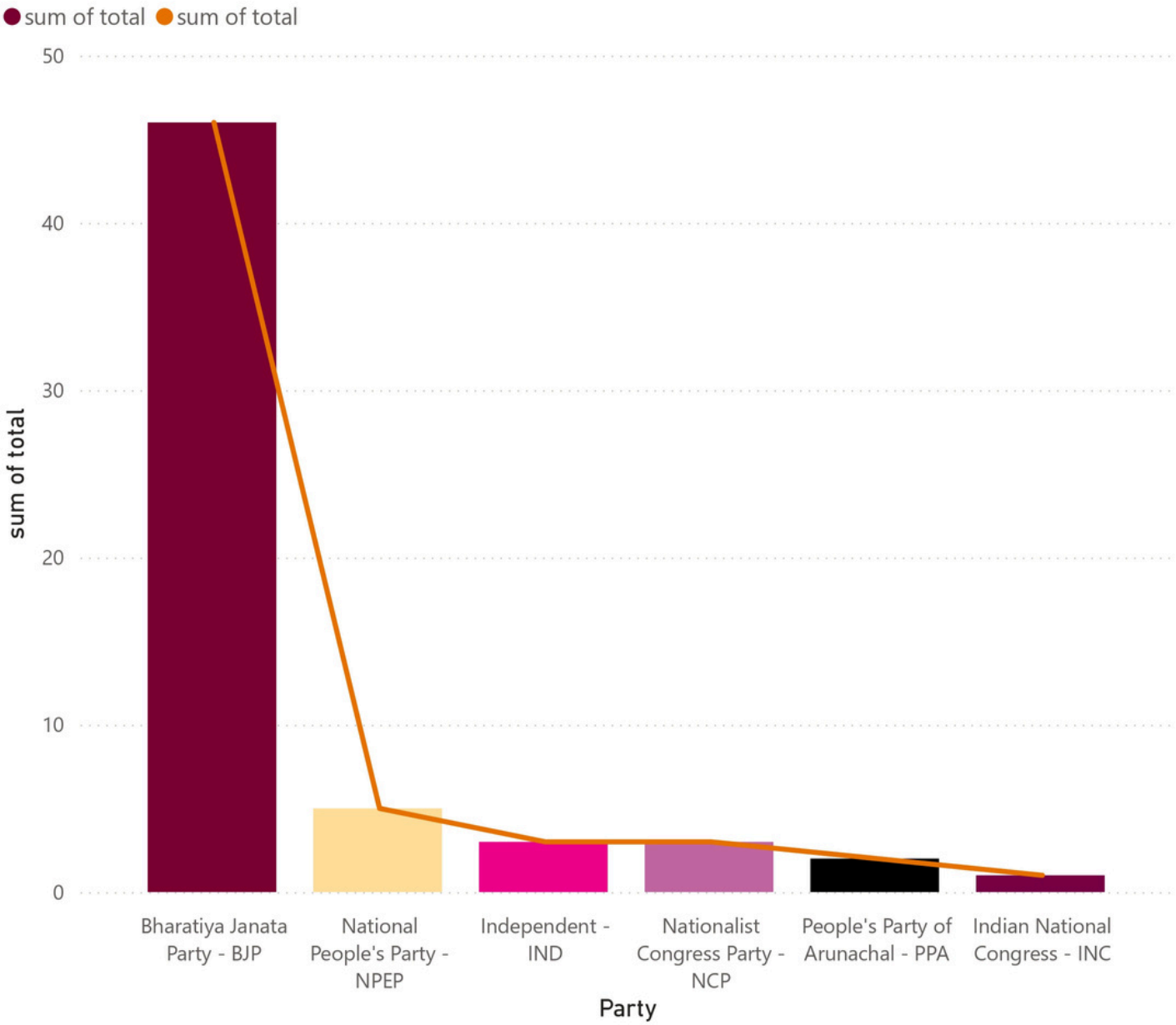


Key Insights are attached as follows

Parliamentary Constituency by Party

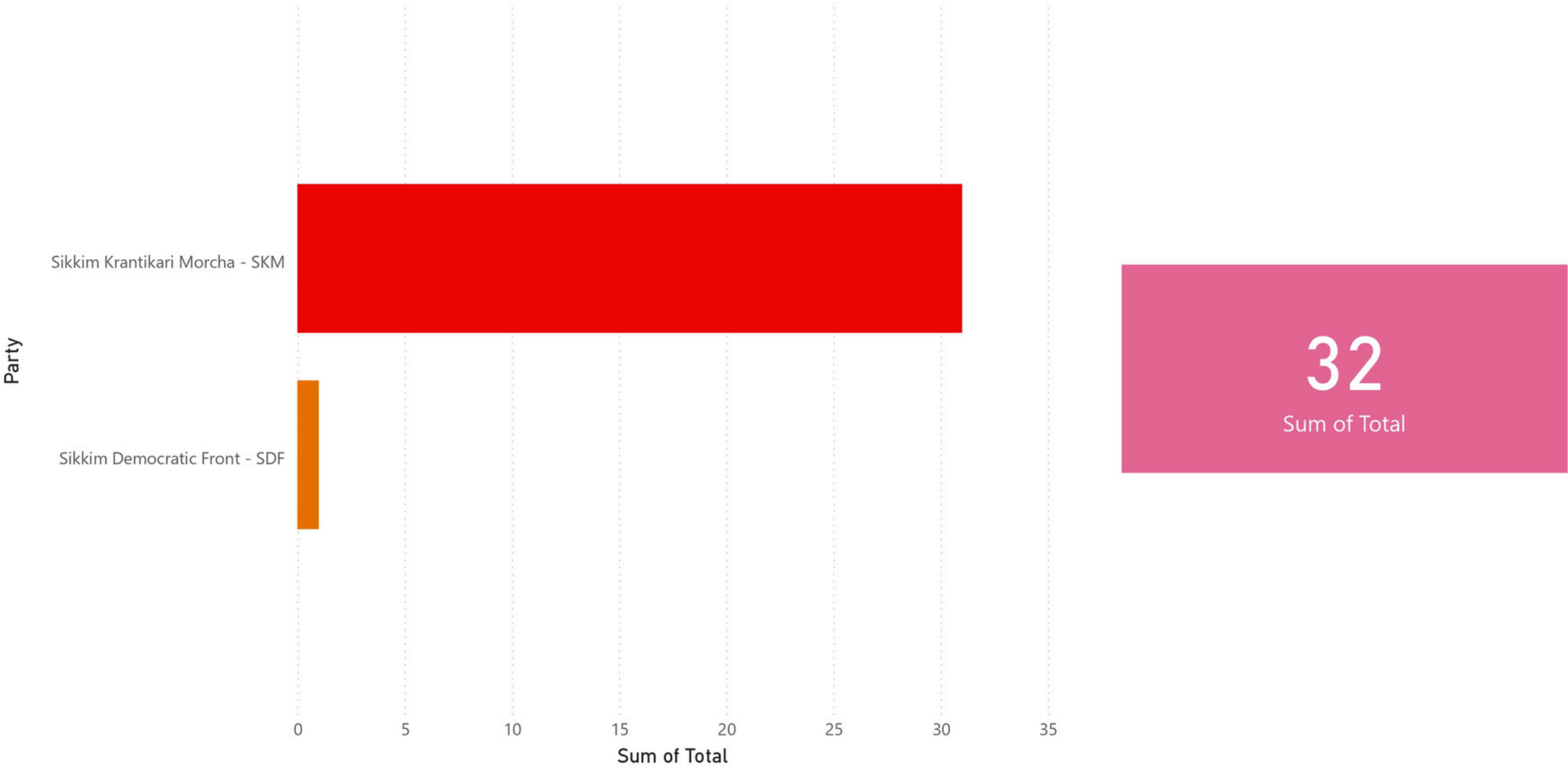


Assembly Constituencies of Arunachal Pradesh



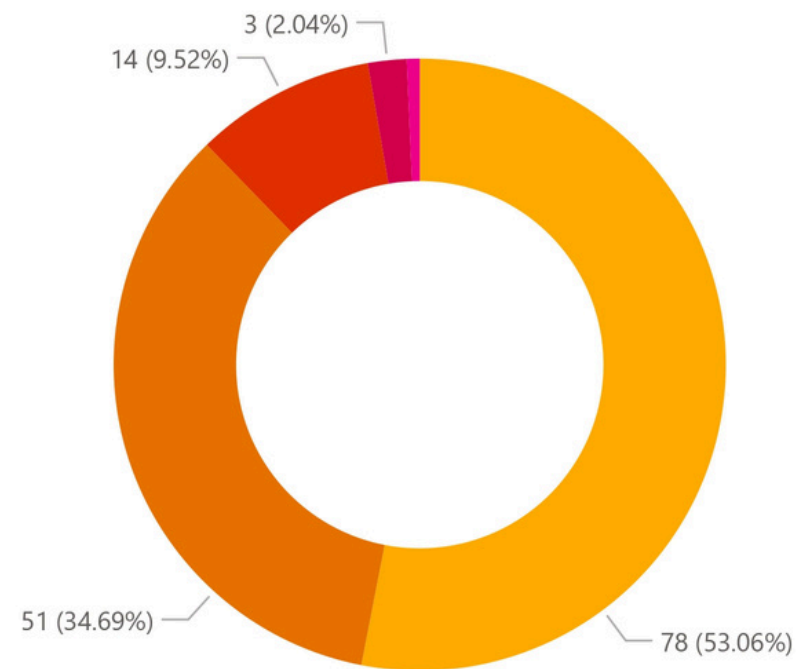
60
sum of total

Assembly Constituencies of Sikkim





Assembly Constituencies of Odisha



Party

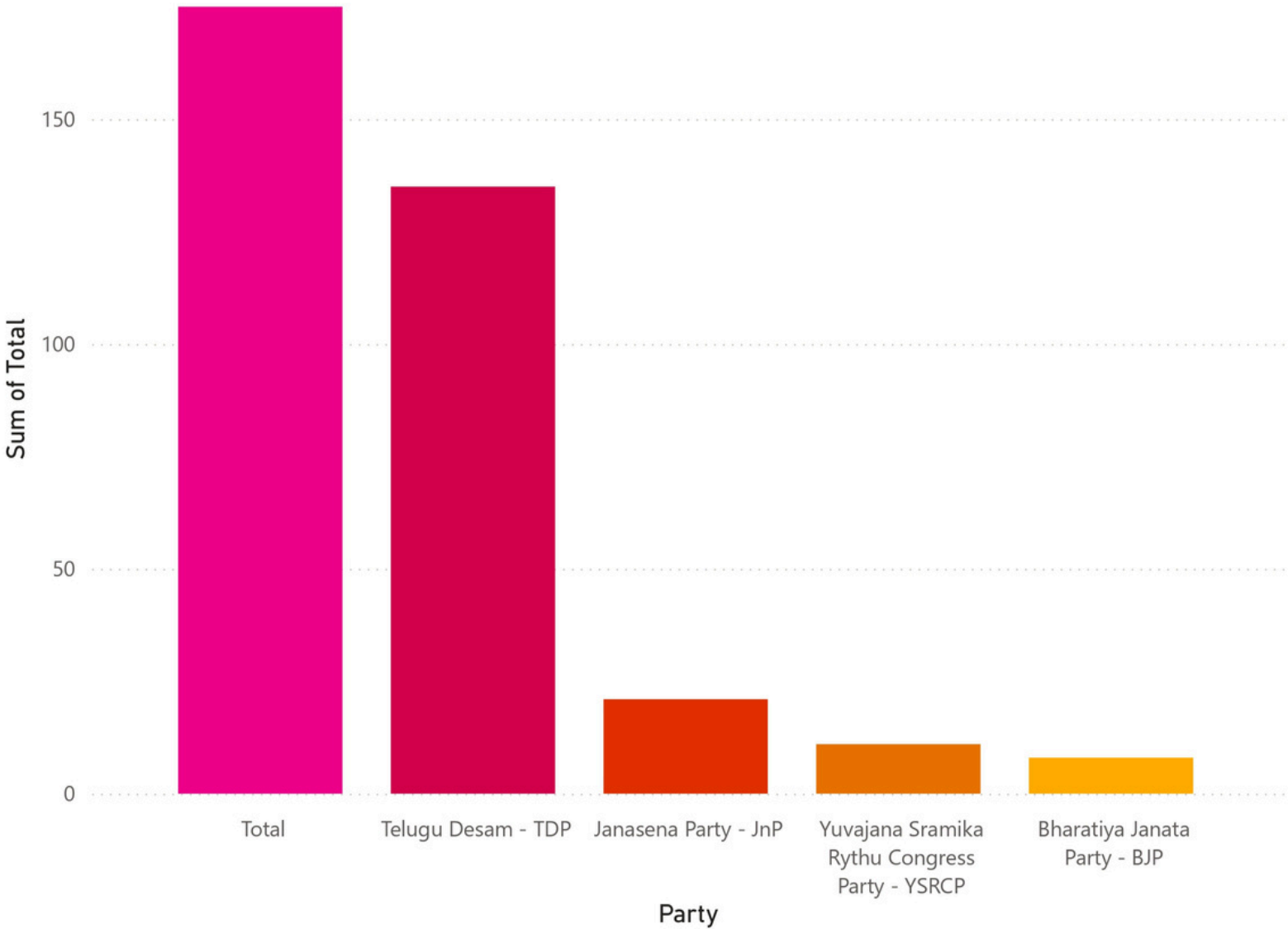
- Bharatiya Janata Party - BJP
- Biju Janata Dal - BJD
- Indian National Congress - INC
- Independent - IND
- Communist Party of India (Marxist) - CPI (M)

147

Sum of Total

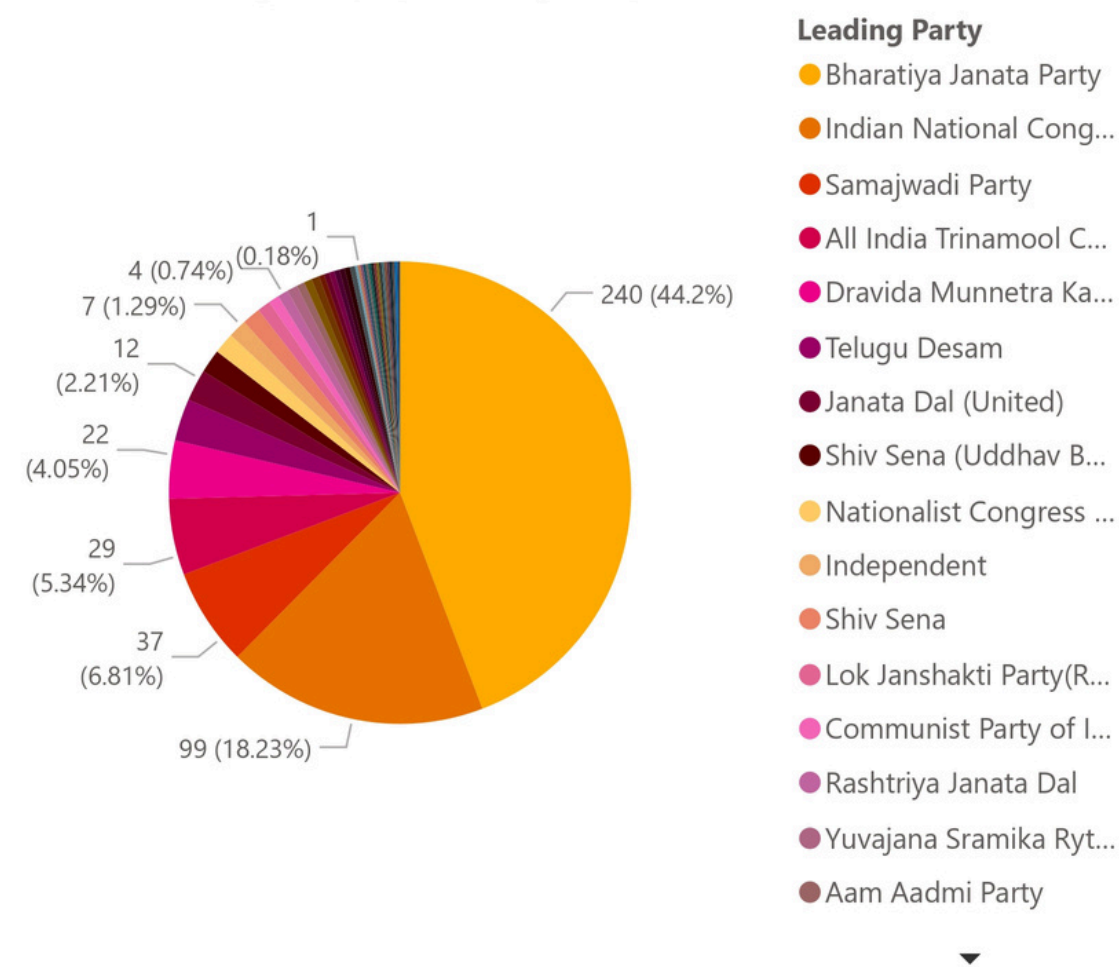
Assembly Constituencies of Andhra Pradesh

Total 8 11 21 135 175



350
Sum of Total

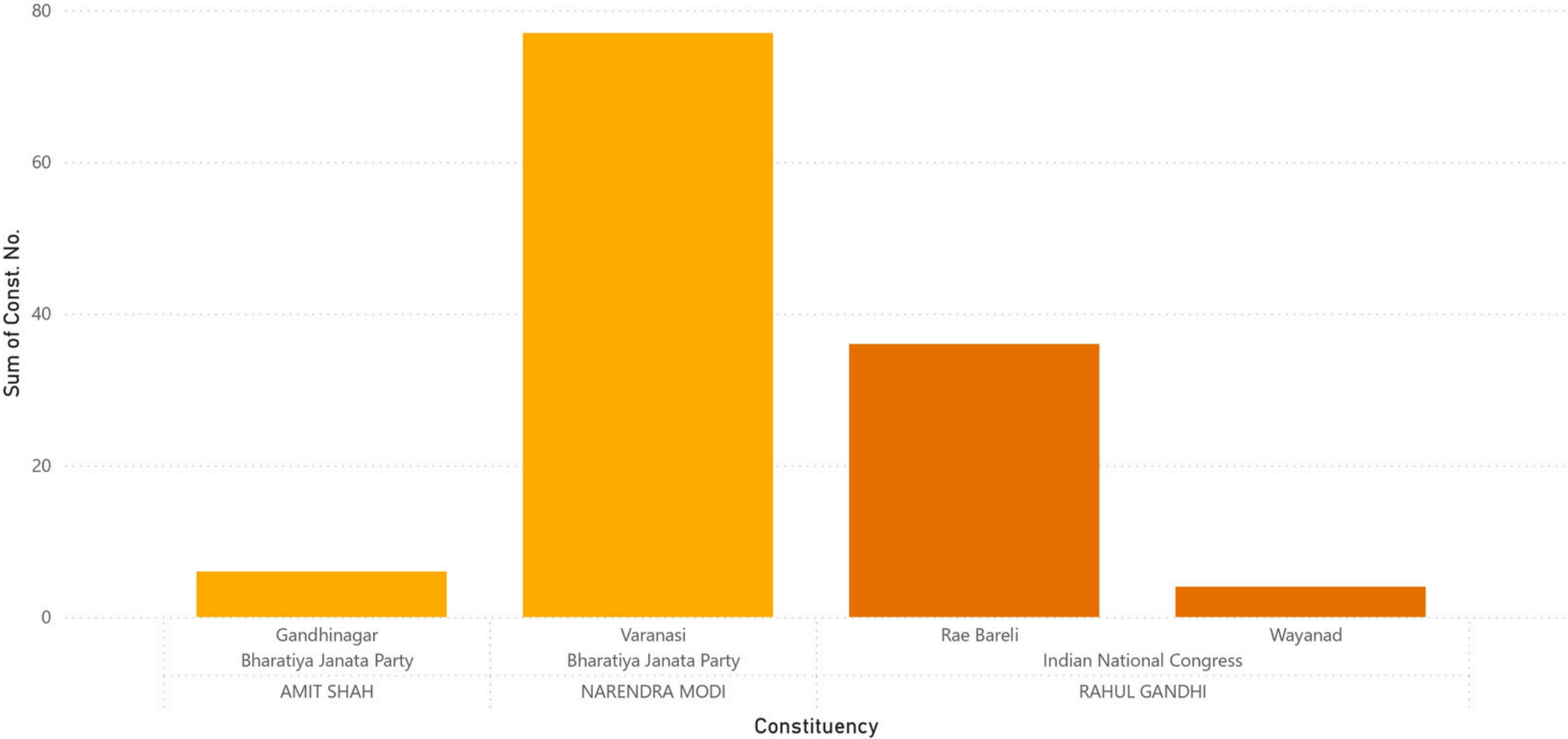
Count of Leading Party by Leading Party



Leading Party	Count of Leading Party
Bharatiya Janata Party	240
Indian National Congress	99
Samajwadi Party	37
All India Trinamool Congress	29
Dravida Munnetra Kazhagam	22
Telugu Desam	16
Janata Dal (United)	12
Shiv Sena (Uddhav Balasaheb Thackrey)	9
Nationalist Congress Party – Sharadchandra Pawar	8
Independent	7
Shiv Sena	7
Lok Janshakti Party(Ram Vilas)	5
Communist Party of India (Marxist)	4
Rashtriya Janata Dal	4
Yuvajana Sramika Rythu Congress Party	4
Aam Aadmi Party	3
Indian Union Muslim League	3
Jharkhand Mukti Morcha	3
Communist Party of India	2
Communist Party of India (Marxist-Leninist) (Liberation)	2
Total	543

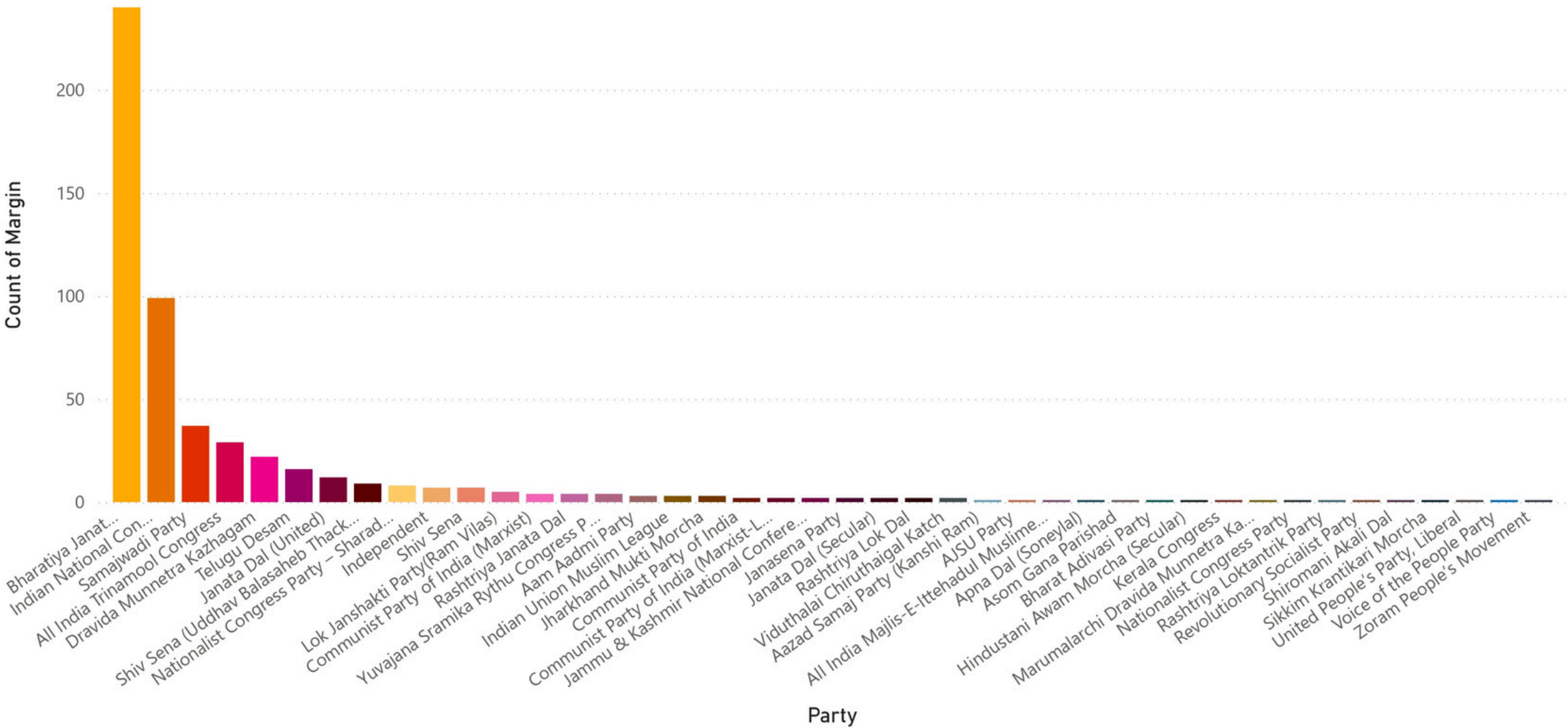
Comparison of votes of Rahul Gandhi, Narendra Modi and Amit Shah

Leading Party ● Bharatiya Janata Party ● Indian National Congress

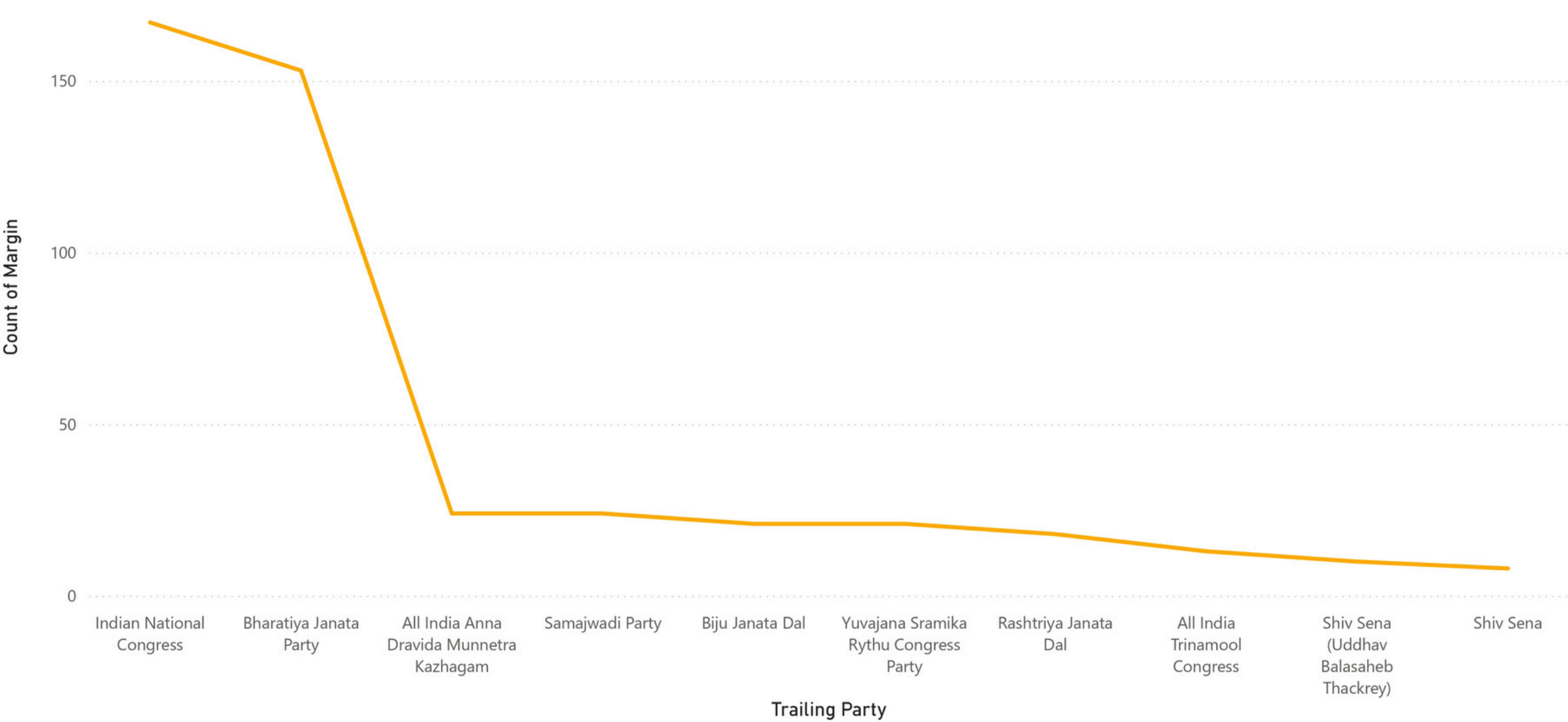


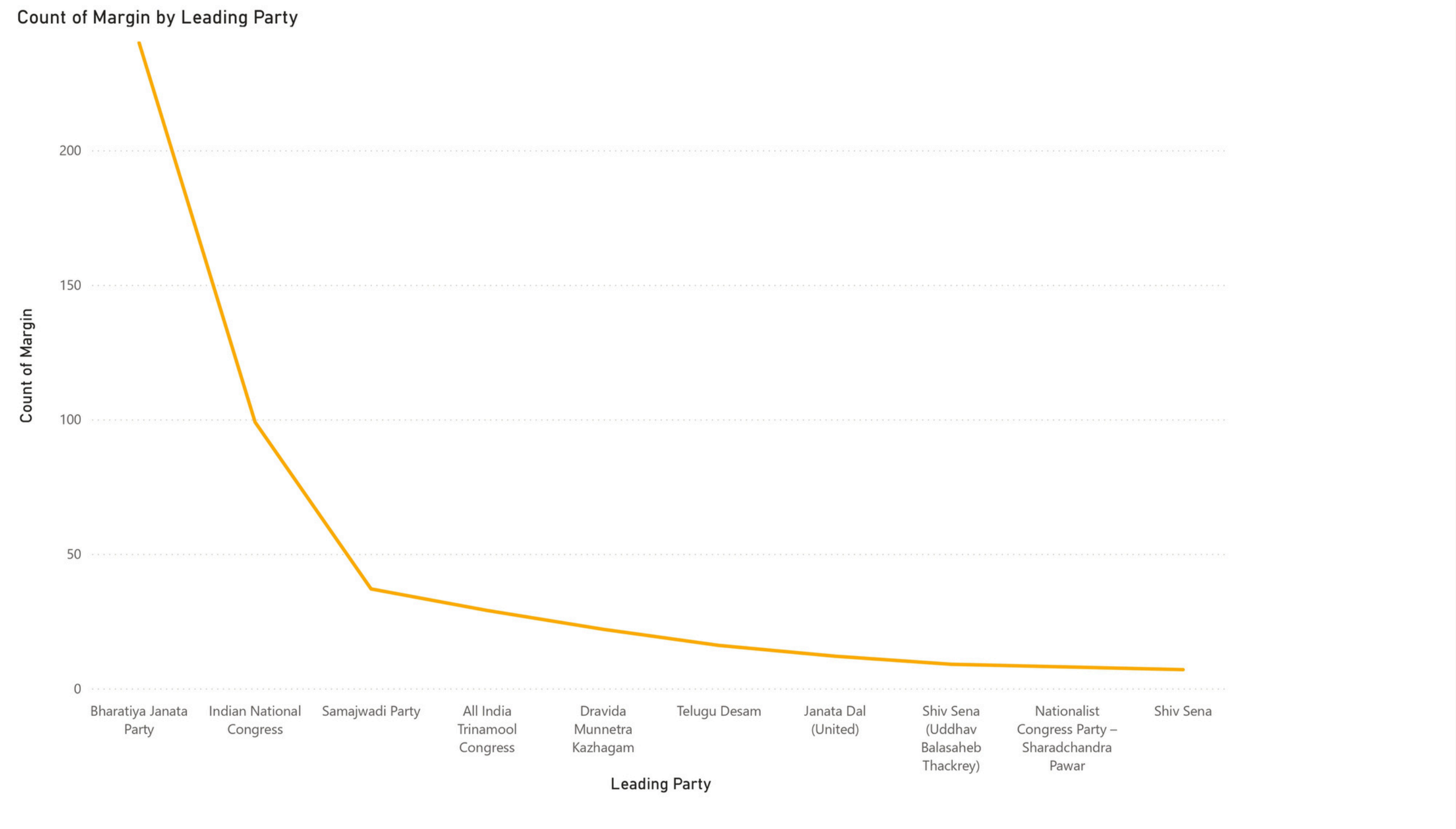
Number of Seats won by each party

Leading Party Bharatiy... Indian N... Samajw... All India... Dravida ... Telugu ... Janata D... Shiv Sen... Nationali... Indepen... Shiv Sena Lok Jans... ▶



top 10 trailing party





Conclusion

Through this task I analyzed the Parliamentary Constituency election as well as four Assembly Constituency elections.

Contact

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