

Import Libraries

```
In [1]: 1 import pandas as pd
        2 import matplotlib.pyplot as plt
        3 import seaborn as sns
        4 import numpy as np
```

Import Dataset

```
In [2]: 1 df = pd.read_csv('election_results_2024.csv')
```

In [3]: 1 df.head(10)

Out[3]:

	Constituency	Const. No.	Leading Candidate	Leading Party	Trailing Candidate	Trailing Party	Margin	
0	AJMER	13	BHAGIRATH CHOUDHARY	Bharatiya Janata Party	RAMCHANDRA CHOUDHARY	Indian National Congress	329991	⌈
1	ALWAR	8	BHUPENDER YADAV	Bharatiya Janata Party	LALIT YADAV	Indian National Congress	48282	⌈
2	AMBALA	1	VARUN CHAUDHRY	Indian National Congress	BANTO KATARIA	Bharatiya Janata Party	49036	⌈
3	ANANTNAG-RAJOURI	3	MIAN ALTAF AHMAD	Jammu & Kashmir National Conference	MEHBOOBA MUFTI	Jammu & Kashmir Peoples Democratic Party	281794	⌈
4	ARAKKONAM	7	JAGATHRATCHAKAN S	Dravida Munnetra Kazhagam	L VIJAYAN	All India Anna Dravida Munnetra Kazhagam	306559	⌈
5	ARANI	12	THARANIVENTHAN M S	Dravida Munnetra Kazhagam	GAJENDRAN, G.V.	All India Anna Dravida Munnetra Kazhagam	208766	⌈
6	Adilabad	1	GODAM NAGESH	Bharatiya Janata Party	ATHRAM SUGUNA	Indian National Congress	90652	⌈
7	Agra	18	PROF S P SINGH BAGHEL	Bharatiya Janata Party	SURESH CHAND KARDAM	Samajwadi Party	271294	⌈
8	Ahmedabad East	7	HASMUKHBHAI PATEL (H.S.PATEL)	Bharatiya Janata Party	HIMMATSINH PRAHLADSINH PATEL	Indian National Congress	461755	⌈
9	Ahmedabad West	8	DINESHBHAI MAKWANA (ADVOCATE)	Bharatiya Janata Party	BHARAT YOGENDRA MAKWANA	Indian National Congress	286437	⌈

In [4]: 1 df.shape

Out[4]: (543, 8)

```
In [5]: 1 df.isna().sum()
```

```
Out[5]: Constituency      0
Const. No.      0
Leading Candidate  0
Leading Party     0
Trailing Candidate 1
Trailing Party    1
Margin          0
Status          0
dtype: int64
```

```
In [6]: 1 df.duplicated().sum()
```

```
Out[6]: 0
```

```
In [7]: 1 df.sample(5)
```

```
Out[7]:
```

	Constituency	Const. No.	Leading Candidate	Leading Party	Trailing Candidate	Trailing Party	Margin	St
400	Palamau	13	VISHNU DAYAL RAM	Bharatiya Janata Party	MAMTA BHUIYAN	Rashtriya Janata Dal	288807	R Dec
270	Kairana	2	IQRA CHOUDHARY	Samajwadi Party	PRADEEP KUMAR	Bharatiya Janata Party	69116	R Dec
502	TIRUPPUR	18	SUBBARAYAN, K.	Communist Party of India	ARUNACHALAM, P.	All India Anna Dravida Munnetra Kazhagam	125928	R Dec
11	Akbarpur	44	DEVENDRA SINGH ALIAS BHOLE SINGH	Bharatiya Janata Party	RAJARAM PAL	Samajwadi Party	44345	R Dec
488	Srerampur	27	KALYAN BANERJEE	All India Trinamool Congress	KABIR SHANKAR BOSE	Bharatiya Janata Party	174830	R Dec

Party with highest and lowest margin of victory

```
In [15]: 1 party_votes = df.groupby('Leading Party')['Margin'].sum().sort_values(asc
2 df['Margin'] = pd.to_numeric(df['Margin'], errors='coerce')
3 party_votes[:5]
```

```
Out[15]: Leading Party
Bharatiya Janata Party      46081536.0
Indian National Congress    13005922.0
Dravida Munnetra Kazhagam    5081582.0
All India Trinamool Congress  4910963.0
Telugu Desam                 3660927.0
Name: Margin, dtype: float64
```

```
In [16]: 1 # Party with highest and lowest margin of victory
2 highest_margin = df.loc[df['Margin'].idxmax()]
3 lowest_margin = df.loc[df['Margin'].idxmin()]
```

```
In [17]: 1 highest_margin
```

```
Out[17]: Constituency      INDORE
Const. No.                26
Leading Candidate          SHANKAR LALWANI
Leading Party              Bharatiya Janata Party
Trailing Candidate        SANJAY S/O LAKSHMAN SOLANKI
Trailing Party            Bahujan Samaj Party
Margin                    1175092.0
Status                    Result Declared
Name: 221, dtype: object
```

```
In [18]: 1 lowest_margin
```

```
Out[18]: Constituency      Mumbai North West
Const. No.                27
Leading Candidate          RAVINDRA DATTARAM WAIKAR
Leading Party              Shiv Sena
Trailing Candidate        AMOL GAJANAN KIRTIKAR
Trailing Party            Shiv Sena (Uddhav Balasaheb Thackrey)
Margin                    48.0
Status                    Result Declared
Name: 357, dtype: object
```

Plot number of seats won by each party

```
In [19]: 1 leading_party_highest_votes = party_votes.idxmax()
2 leading_party_lowest_votes = party_votes.idxmin()
```

Number of seats won by each party

```
In [20]: 1 seats_won = df['Leading Party'].value_counts()
        2 seats_won
```

```
Out[20]: 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
          Shiv Sena                           7
          Independent                         7
          Lok Janshakti Party(Ram Vilas)        5
          Communist Party of India (Marxist)     4
          Yuva Jana Sramika Rythu Congress Party 4
          Rashtriya Janata Dal                  4
          Indian Union Muslim League            3
          Jharkhand Mukti Morcha                3
          Aam Aadmi Party                      3
          Rashtriya Lok Dal                    2
          Communist Party of India (Marxist-Leninist) (Liberation) 2
          Communist Party of India              2
          Jammu & Kashmir National Conference    2
          Janasena Party                       2
          Janata Dal (Secular)                  2
          Viduthala Chiruthaigal Katch          2
          Hindustani Awam Morcha (Secular)       1
          Sikkim Krantikari Morcha              1
          Voice of the People Party             1
          Nationalist Congress Party            1
          Aazad Samaj Party (Kanshi Ram)         1
          Rashtriya Loktantrik Party            1
          Shiromani Akali Dal                   1
          Apna Dal (Soneylal)                   1
          AJSU Party                           1
          Zoram People's Movement              1
          Kerala Congress                      1
          Revolutionary Socialist Party          1
          Asom Gana Parishad                   1
          United People's Party, Liberal        1
          Bharat Adivasi Party                  1
          All India Majlis-E-Ittehadul Muslimeen 1
          Marumalarchi Dravida Munnetra Kazhagam 1
          Name: Leading Party, dtype: int64
```

```
In [21]: 1 df[:2]
```

```
Out[21]:
```

	Constituency	Const. No.	Leading Candidate	Leading Party	Trailing Candidate	Trailing Party	Margin	Status
0	AJMER	13	BHAGIRATH CHOUDHARY	Bharatiya Janata Party	RAMCHANDRA CHOUDHARY	Indian National Congress	329991.0	Result Declared
1	ALWAR	8	BHUPENDER YADAV	Bharatiya Janata Party	LALIT YADAV	Indian National Congress	48282.0	Result Declared

Candidate Seats

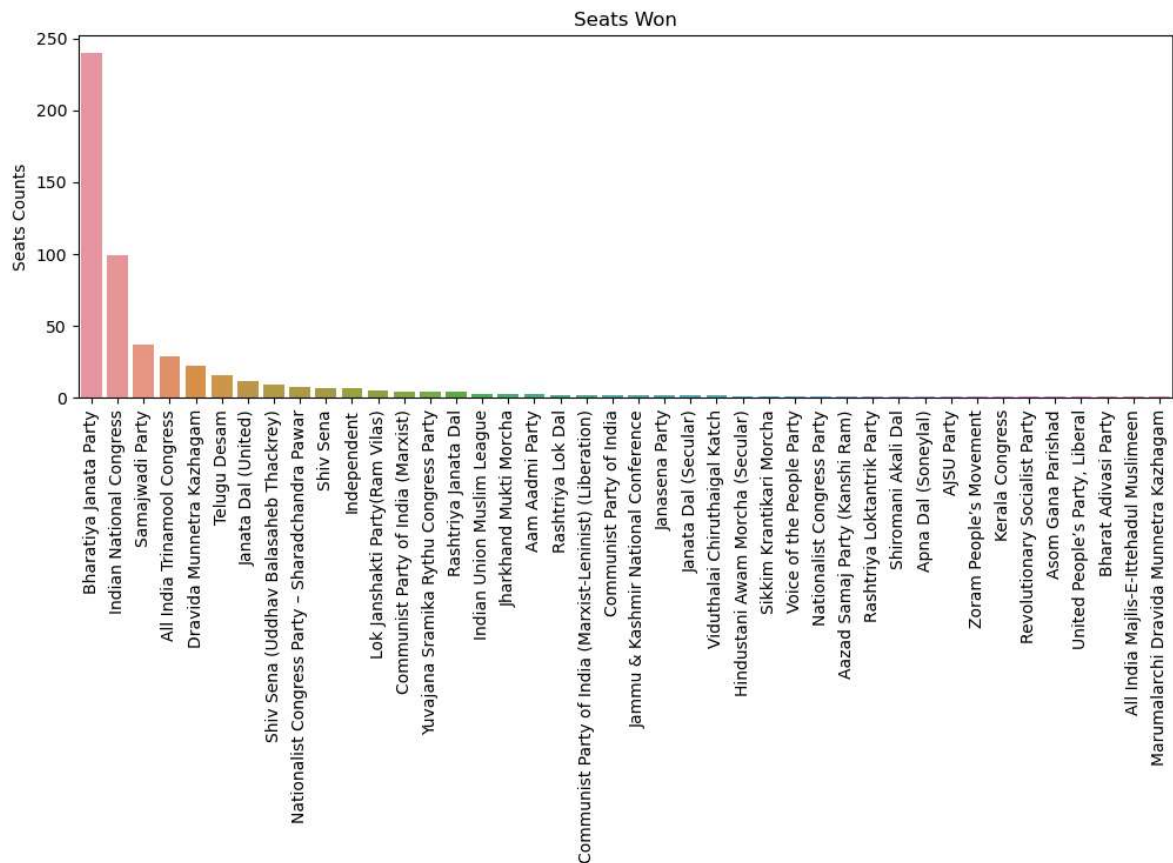
```
In [22]: 1 candidate = df.groupby("Leading Candidate")['Margin'].sum().sort_values(a
2 candidate[10:]
```

```
Out[22]: Leading Candidate
Sasikanth Senthil          572155.0
KUNDURU RAGHUVeer          559905.0
DR. MAHESH SHARMA          559472.0
VISHNU DATT SHARMA (V.D.SHARMA)  541229.0
JYOTIRADITYA M. SCINDIA      540929.0
...
RAO RAJENDRA SINGH          1615.0
RABINDRA NARAYAN BEHERA      1587.0
ADV ADOOR PRAKASH            684.0
RAVINDRA DATTARAM WAIKAR       48.0
MUKESHKUMAR CHANDRAKAANT DALAL    0.0
Name: Margin, Length: 532, dtype: float64
```

plot Seats win by each party

In [23]:

```
1 plt.figure(figsize=(12,4))
2 sns.barplot(x=seats_won.index, y=seats_won.values)
3 plt.title("Seats Won")
4 plt.ylabel("Seats Counts")
5 plt.xticks(rotation=90)
6 plt.show()
```



Get the votes for Rahul Gandhi, Narendra Modi, and Amit Shah

In [24]:

```
1 rahul_entries = df[df['Leading Candidate'] == 'RAHUL GANDHI']
2 modi_entries = df[df['Leading Candidate'] == 'NARENDRA MODI']
3 amit_entries = df[df['Leading Candidate'] == 'AMIT SHAH']
4 chirag_paswan_enties = df[df['Leading Candidate'] == "CHIRAG PASWAN"]
```

In [25]:

```
1 rahul_entries
```

Out[25]:

	Constituency	Const. No.	Leading Candidate	Leading Party	Trailing Candidate	Trailing Party	Margin	Status
430	Rae Bareli	36	RAHUL GANDHI	Indian National Congress	DINESH PRATAP SINGH	Bharatiya Janata Party	390030.0	Result Declared
539	Wayanad	4	RAHUL GANDHI	Indian National Congress	ANNIE RAJA	Communist Party of India	364422.0	Result Declared

In [26]:

```
1 modi_entries
```

Out[26]:

	Constituency	Const. No.	Leading Candidate	Leading Party	Trailing Candidate	Trailing Party	Margin	Status
533	Varanasi	77	NARENDRA MODI	Bharatiya Janata Party	AJAY RAI	Indian National Congress	152513.0	Result Declared

In [27]:

```
1 amit_entries
```

Out[27]:

	Constituency	Const. No.	Leading Candidate	Leading Party	Trailing Candidate	Trailing Party	Margin	Status
186	Gandhinagar	6	AMIT SHAH	Bharatiya Janata Party	SONAL RAMANBHAI PATEL	Indian National Congress	744716.0	Result Declared

In [28]:

```
1 chirag_paswan_enties
```

Out[28]:

	Constituency	Const. No.	Leading Candidate	Leading Party	Trailing Candidate	Trailing Party	Margin	Status
206	Hajipur	21	CHIRAG PASWAN	Lok Janshakti Party(Ram Vilas)	SHIV CHANDRA RAM	Rashtriya Janata Dal	170105.0	Result Declared

Get the votes for Rahul Gandhi, Narendra Modi, and Amit Shah

In [29]:

```
1 rahul_votes = rahul_entries['Margin'].values
2 rahul_votes
```

Out[29]: array([390030., 364422.])


```
In [30]: 1 modi_votes = modi_entries['Margin'].values[0] if not modi_entries.empty else 0
2 amit_votes = amit_entries['Margin'].values[0] if not amit_entries.empty else 0
```

```
In [31]: 1 modi_votes
```

```
Out[31]: 152513.0
```

```
In [32]: 1 amit_votes
```

```
Out[32]: 744716.0
```

```
In [33]: 1 chirag_votes = chirag_paswan_entries['Margin'].values[0] if not chirag_paswan_entries.empty else 0
2 chirag_votes
```

```
Out[33]: 170105.0
```

Getting Constituencies

```
In [34]: 1 # Get the original constituency names for Rahul Gandhi
2 rahul_constituencies = list(rahul_entries['Constituency'])
3
4 # Get the original constituency name for Narendra Modi
5 modi_constituency = modi_entries['Constituency'].values[0] if not modi_entries.empty else 0
6
7 # Get the original constituency name for Amit Shah
8 amit_constituency = amit_entries['Constituency'].values[0] if not amit_entries.empty else 0
9
10 # Get the original constituency name for Chirag Paswan
11 chirag_constituency = chirag_paswan_entries['Constituency'].values[0] if not chirag_paswan_entries.empty else 0
```

Combine the data

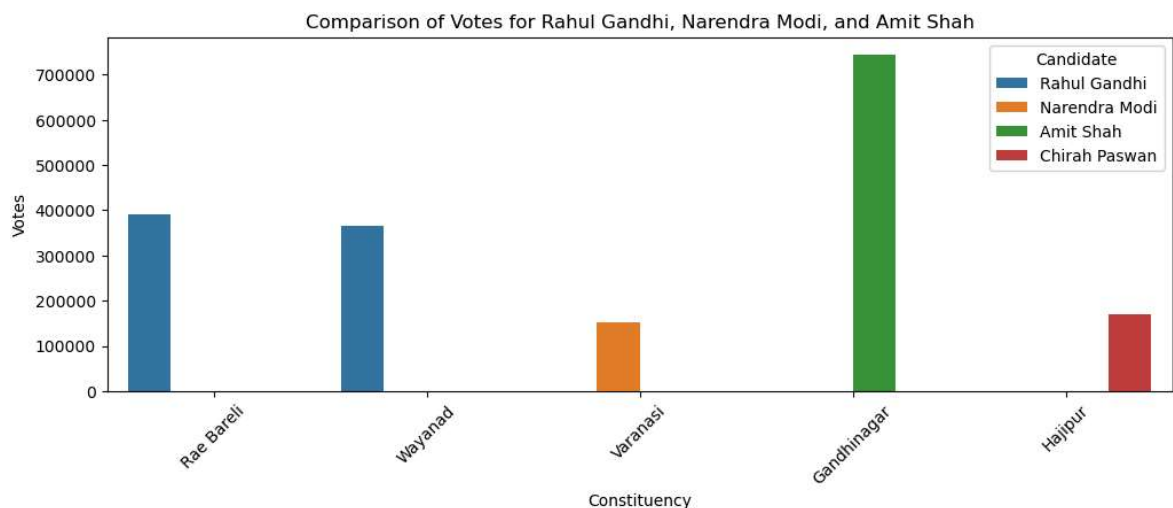
```
In [35]: 1 data_to_plot = pd.DataFrame({
2     'Candidate': ['Rahul Gandhi'] * len(rahul_votes) + ['Narendra Modi',
3     'Constituency': rahul_constituencies + [modi_constituency, amit_constituency, chirag_constituency]
4     'Votes': list(rahul_votes) + [modi_votes, amit_votes, chirag_votes]
5 })
```

```
In [36]: 1 data_to_plot
```

Out[36]:

	Candidate	Constituency	Votes
0	Rahul Gandhi	Rae Bareli	390030.0
1	Rahul Gandhi	Wayanad	364422.0
2	Narendra Modi	Varanasi	152513.0
3	Amit Shah	Gandhinagar	744716.0
4	Chirah Paswan	Hajipur	170105.0

```
In [37]: 1 # Plot the comparison
2 plt.figure(figsize=(12, 4))
3 sns.barplot(data=data_to_plot, x='Constituency', y='Votes', hue='Candidate')
4 plt.title('Comparison of Votes for Rahul Gandhi, Narendra Modi, and Amit')
5 plt.xlabel('Constituency')
6 plt.ylabel('Votes')
7 plt.xticks(rotation=45)
8 plt.show()
```



Highest and lowest Victory Candidate

```
In [38]: 1 highest_margin_entry = df.loc[df['Margin'].idxmax()]
2 lowest_margin_entry = df.loc[df['Margin'].idxmin()]
```

In [39]: 1 print(highest_margin_entry)

```
Constituency          INDORE
Const. No.            26
Leading Candidate      SHANKAR LALWANI
Leading Party          Bharatiya Janata Party
Trailing Candidate    SANJAY S/O LAKSHMAN SOLANKI
Trailing Party        Bahujan Samaj Party
Margin                1175092.0
Status                Result Declared
Name: 221, dtype: object
```

In [40]: 1 print(lowest_margin_entry)

```
Constituency          Mumbai North West
Const. No.            27
Leading Candidate      RAVINDRA DATTARAM WAIKAR
Leading Party          Shiv Sena
Trailing Candidate    AMOL GAJANAN KIRTIKAR
Trailing Party        Shiv Sena (Uddhav Balasaheb Thackrey)
Margin                48.0
Status                Result Declared
Name: 357, dtype: object
```

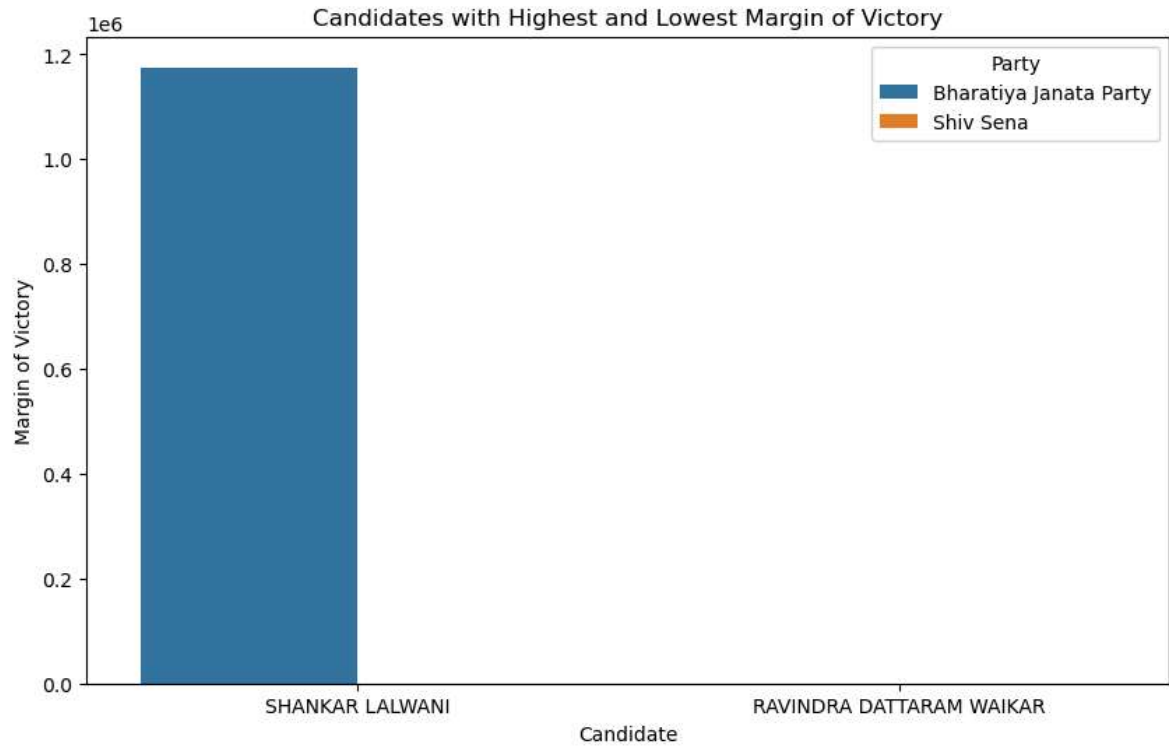
In [41]:

```
1 # Combine the data
2 data_margins = pd.DataFrame({
3     'Candidate': [highest_margin_entry['Leading Candidate'], lowest_margi
4     'Party': [highest_margin_entry['Leading Party'], lowest_margin_entry[
5     'Margin': [highest_margin_entry['Margin'], lowest_margin_entry['Margi
6 })
7 data_margins
```

Out[41]:

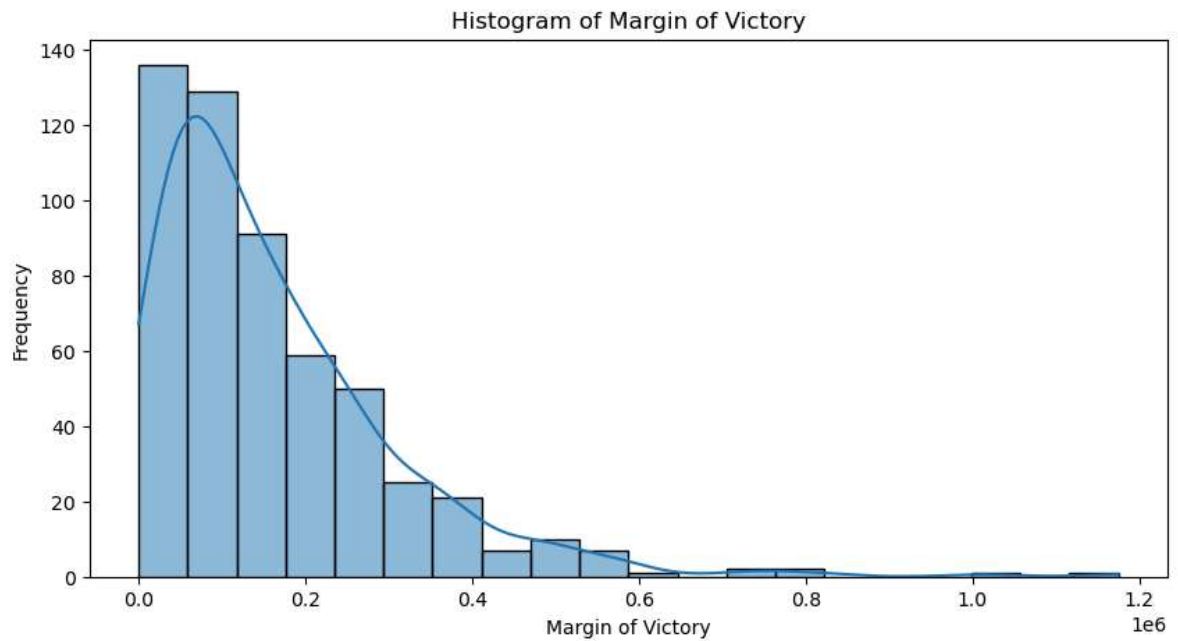
	Candidate	Party	Margin
0	SHANKAR LALWANI	Bharatiya Janata Party	1175092.0
1	RAVINDRA DATTARAM WAIKAR	Shiv Sena	48.0

```
In [42]: 1 # Plot the comparison
2 plt.figure(figsize=(10, 6))
3 sns.barplot(data=data_margins, x='Candidate', y='Margin', hue='Party')
4 plt.title('Candidates with Highest and Lowest Margin of Victory')
5 plt.xlabel('Candidate')
6 plt.ylabel('Margin of Victory')
7 plt.show()
```



```
In [ ]: 1
```

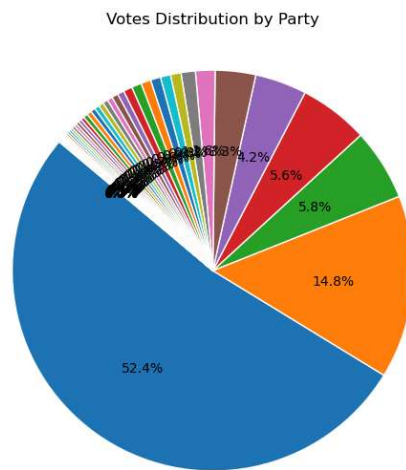
```
In [43]: 1 plt.figure(figsize=(10, 5))
2 sns.histplot(df['Margin'], bins=20, kde=True)
3 plt.title('Histogram of Margin of Victory')
4 plt.xlabel('Margin of Victory')
5 plt.ylabel('Frequency')
6 plt.show()
```



Votes distribution by party

```
In [44]: 1 party_votes = df.groupby('Leading Party')['Margin'].sum().sort_values(asc
```

```
In [45]: 1 # Plot pie chart
2 plt.figure(figsize=(10, 6))
3 wedges, texts, autotexts = plt.pie(party_votes, labels=None, autopct='%1.
4 plt.title('Votes Distribution by Party', pad=20)
5 plt.axis('equal')
6
7 plt.legend(labels=party_votes.index, loc='center left', bbox_to_anchor=(1
8
9
10 plt.show()
```



- Bharatiya Janata Party
- Indian National Congress
- Dravida Munnetra Kazhagam
- All India Trinamool Congress
- Telugu Desam
- Samajwadi Party
- Janata Dal (United)
- Shiv Sena (Uddhav Balasaheb Thackrey)
- Communist Party of India (Marxist)
- Lok Janshakti Party(Ram Vilas)
- Nationalist Congress Party - Sharadchandra Pawar
- Indian Union Muslim League
- Shiv Sena
- Independent
- Jammu & Kashmir National Conference
- Janasena Party
- Voice of the People Party
- Jharkhand Mukti Morcha
- Janata Dal (Secular)
- All India Majlis-E-Ittehadul Muslimeen
- Rashtriya Janata Dal
- Communist Party of India
- Marumalarchi Dravida Munnetra Kazhagam
- Bharat Adivasi Party
- Aam Aadmi Party
- Asom Gana Parishad
- Yuvajana Sramika Rythu Congress Party
- Rashtriya Lok Dal
- Viduthalai Chiruthaigal Katch
- Communist Party of India (Marxist-Leninist) (Liberation)
- Aazad Samaj Party (Kanshi Ram)
- Revolutionary Socialist Party
- Hindustani Awam Morcha (Secular)
- Kerala Congress
- Nationalist Congress Party
- AJSU Party
- Sikkim Krantikari Morcha
- Zoram People's Movement
- United People's Party, Liberal
- Shiromani Akali Dal
- Rashtriya Loktantrik Party
- Apna Dal (Soneylal)

```
In [ ]: 1
```

Top 10 trailing party by VOTE

```
In [46]: 1 trailing_party_votes = df.groupby('Trailing Party')['Margin'].sum().sort_
2 trailing_party_seats = df['Trailing Party'].value_counts()
```

```
In [47]: 1 trailing_party_votes
```

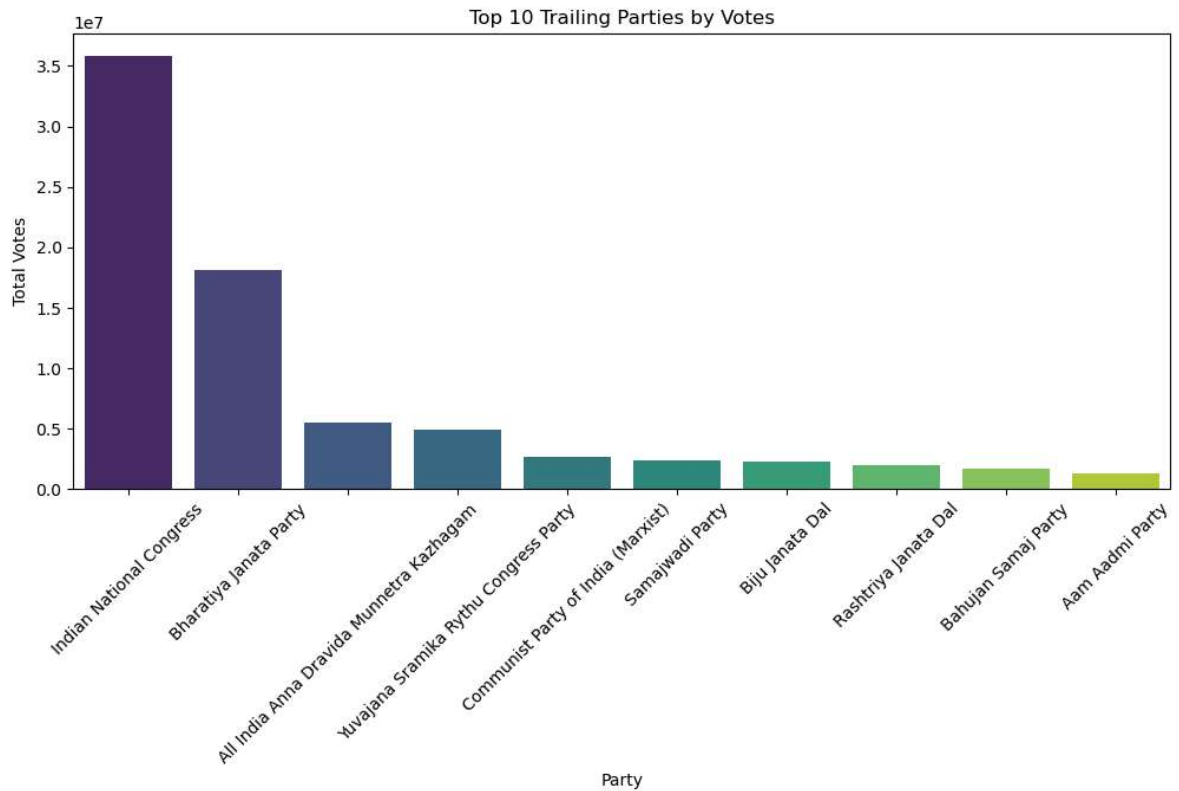
```
Out[47]: Trailing Party
Indian National Congress 35872203.0
Bharatiya Janata Party 18160854.0
All India Anna Dravida Munnetra Kazhagam 5519091.0
Yuva Jana Sramika Rythu Congress Party 4926068.0
Communist Party of India (Marxist) 2622123.0
Samajwadi Party 2365143.0
Biju Janata Dal 2236289.0
Rashtriya Janata Dal 1962693.0
Bahujan Samaj Party 1716321.0
Aam Aadmi Party 1277670.0
Shiv Sena (Uddhav Balasaheb Thackeray) 1131265.0
All India United Democratic Front 1012476.0
All India Trinamool Congress 949763.0
Bharat Rashtra Samithi 817012.0
Shiv Sena 753394.0
Independent 631276.0
Nationalist Congress Party 629130.0
Communist Party of India (Marxist-Leninist) (Liberation) 546128.0
Communist Party of India 531456.0
Desiya Murpokku Dravida Kazhagam 509858.0
Jammu & Kashmir Peoples Democratic Party 470210.0
Vikassheel Insaan Party 399636.0
Jharkhand Mukti Morcha 340662.0
Nationalist Congress Party - Sharadchandra Pawar 307601.0
Assam Jatiya Parishad 279321.0
Ammu Makkal Munnettra Kazhagam 278825.0
Janata Dal (United) 275993.0
Jammu & Kashmir National Conference 204142.0
Suheldev Bharatiya Samaj Party 162943.0
National People's Party 155241.0
All India Majlis-E-Ittehadul Muslimeen 134650.0
Rashtriya Samaj Paksha 134061.0
Apna Dal (Soneylal) 129234.0
Kerala Congress (M) 87266.0
Naga Peoples Front 85418.0
Citizen Action Party-Sikkim 80830.0
Mizo National Front 68288.0
Telugu Desam 62695.0
Bodoland Peoples Front 51583.0
Nationalist Democratic Progressive Party 50984.0
Janata Dal (Secular) 42649.0
Pattali Makkal Katch 21300.0
Name: Margin, dtype: float64
```

In [48]: 1 trailing_party_seats

```
Out[48]: Indian National Congress 167
Bharatiya Janata Party 153
All India Anna Dravida Munnetra Kazhagam 24
Samajwadi Party 24
Biju Janata Dal 21
Yuva Jana Sramika Rythu Congress Party 21
Rashtriya Janata Dal 18
Communist Party of India (Marxist) 17
All India Trinamool Congress 13
Aam Aadmi Party 13
Shiv Sena (Uddhav Balasaheb Thackeray) 10
Shiv Sena 8
Independent 5
Communist Party of India 4
Janata Dal (United) 4
Nationalist Congress Party - Sharadchandra Pawar 3
Vikassheel Insaan Party 3
Nationalist Congress Party 3
Desiya Murpokku Dravida Kazhagam 3
Communist Party of India (Marxist-Leninist) (Liberation) 2
Bharat Rashtra Samithi 2
Bahujan Samaj Party 2
Jammu & Kashmir Peoples Democratic Party 2
Jharkhand Mukti Morcha 2
Nationalist Democratic Progressive Party 1
Citizen Action Party-Sikkim 1
Naga Peoples Front 1
Rashtriya Samaj Paksha 1
Mizo National Front 1
Apna Dal (Soneylal) 1
Kerala Congress (M) 1
Amma Makkal Munnettra Kazagam 1
Suheldev Bharatiya Samaj Party 1
Bodoland Peoples Front 1
Telugu Desam 1
Janata Dal (Secular) 1
Assam Jatiya Parishad 1
All India United Democratic Front 1
Pattali Makkal Katch 1
Jammu & Kashmir National Conference 1
All India Majlis-E-Ittehadul Muslimeen 1
National People's Party 1
Name: Trailing Party, dtype: int64
```

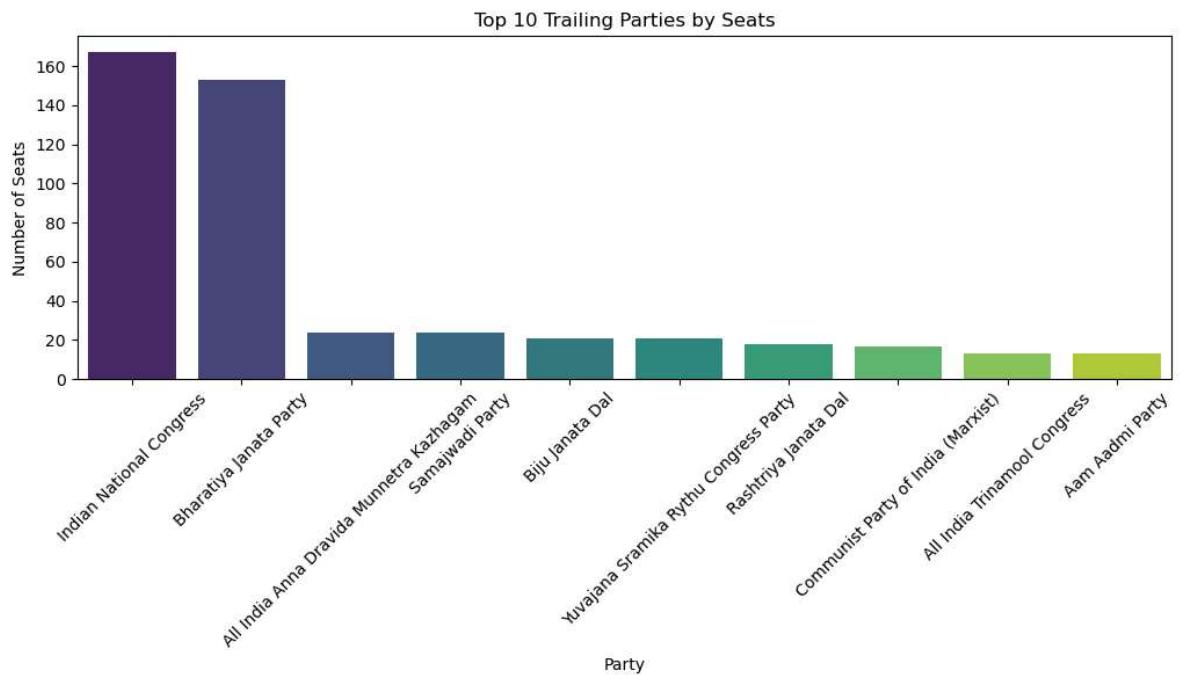


```
In [49]: 1 plt.figure(figsize=(12, 5))
2
3 # Plot votes distribution by trailing party
4 sns.barplot(x=trailing_party_votes.index[:10], y=trailing_party_votes.val
5 plt.title('Top 10 Trailing Parties by Votes')
6 plt.xlabel('Party')
7 plt.ylabel('Total Votes')
8 plt.xticks(rotation=45)
9 plt.show()
```



Top 10 trailing party by SEAT

```
In [50]: 1 plt.figure(figsize=(20, 6))
2 plt.subplot(1, 2, 2)
3 sns.barplot(x=trailing_party_seats.index[:10], y=trailing_party_seats.val
4 plt.title('Top 10 Trailing Parties by Seats')
5 plt.xlabel('Party')
6 plt.ylabel('Number of Seats')
7 plt.xticks(rotation=45)
8
9 plt.tight_layout()
10 plt.show()
```



Top 10 Leading

```
In [51]: 1 df[:2]
```

Out[51]:

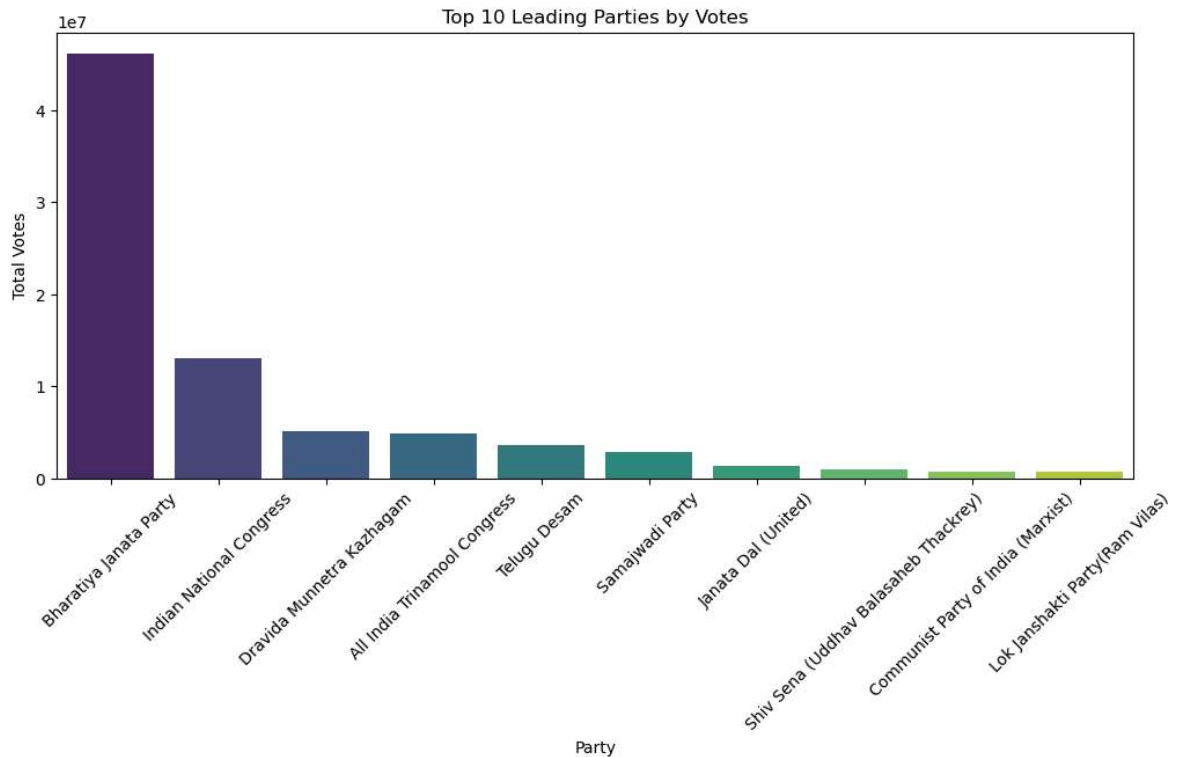
	Constituency	Const. No.	Leading Candidate	Leading Party	Trailing Candidate	Trailing Party	Margin	Status
0	AJMER	13	BHAGIRATH CHOUHARY	Bharatiya Janata Party	RAMCHANDRA CHOUHARY	Indian National Congress	329991.0	Result Declared
1	ALWAR	8	BHUPENDER YADAV	Bharatiya Janata Party	LALIT YADAV	Indian National Congress	48282.0	Result Declared


```
In [53]: 1 top_leading_seats = df['Leading Party'].value_counts()
        2 top_leading_seats
```

```
Out[53]: 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
         Shiv Sena                           7
         Independent                         7
         Lok Janshakti Party(Ram Vilas)        5
         Communist Party of India (Marxist)     4
         Yuva Janshakti Party                  4
         Rashtriya Janata Dal                  4
         Indian Union Muslim League            3
         Jharkhand Mukti Morcha                3
         Aam Aadmi Party                      3
         Rashtriya Lok Dal                    2
         Communist Party of India (Marxist-Leninist) (Liberation) 2
         Communist Party of India              2
         Jammu & Kashmir National Conference  2
         Janasena Party                       2
         Janata Dal (Secular)                  2
         Viduthala Chiruthaigal Katch          2
         Hindustani Awam Morcha (Secular)      1
         Sikkim Krantikari Morcha              1
         Voice of the People Party             1
         Nationalist Congress Party            1
         Aazad Samaj Party (Kanshi Ram)        1
         Rashtriya Loktantrik Party            1
         Shiromani Akali Dal                   1
         Apna Dal (Soneylal)                   1
         AJSU Party                           1
         Zoram People's Movement              1
         Kerala Congress                      1
         Revolutionary Socialist Party          1
         Asom Gana Parishad                   1
         United People's Party, Liberal        1
         Bharat Adivasi Party                  1
         All India Majlis-E-Ittehadul Muslimeen 1
         Marumalarchi Dravida Munnetra Kazhagam 1
         Name: Leading Party, dtype: int64
```

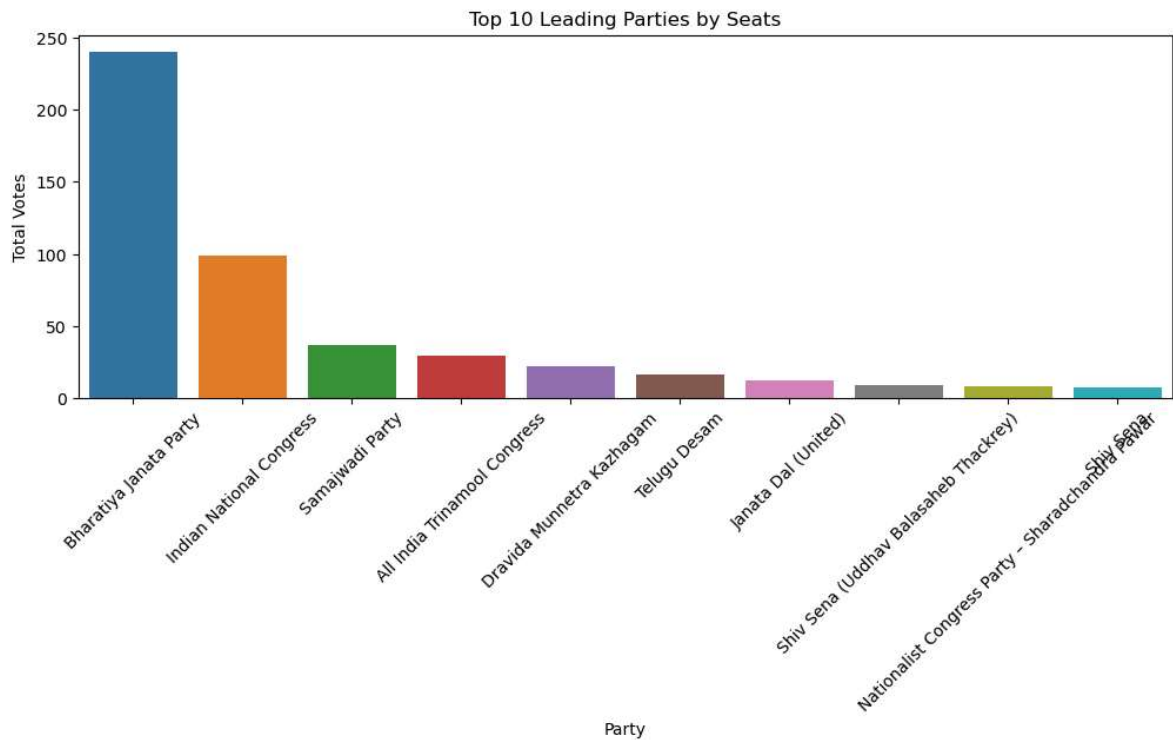
Top Leading Parties

```
In [54]: 1 plt.figure(figsize=(12, 5))
2
3 sns.barplot(x=top_leading.index[:10], y=top_leading.values[:10], palette=
4 plt.title('Top 10 Leading Parties by Votes')
5 plt.xlabel('Party')
6 plt.ylabel('Total Votes')
7 plt.xticks(rotation=45)
8 plt.show()
```



Top leading Party by Seats ¶

```
In [55]: 1 plt.figure(figsize=(12, 4))
2
3 sns.barplot(x=top_leading_seats.index[:10], y=top_leading_seats.values[:10])
4 plt.title('Top 10 Leading Parties by Seats')
5 plt.xlabel('Party')
6 plt.ylabel('Total Votes')
7 plt.xticks(rotation=45)
8 plt.show()
```



In []:

1

In []:

1