Analysis Of 2024 Election Using Power BI

Importance Of Election Analysis

Election analysis is crucial as it provides insights into voting patterns and key issues, ensuring transparency and public trust in the electoral process. It helps political parties refine strategies, improve campaigns, and allocate resources efficiently. Additionally, it aids in understanding voter preferences, essential for effective policy development.
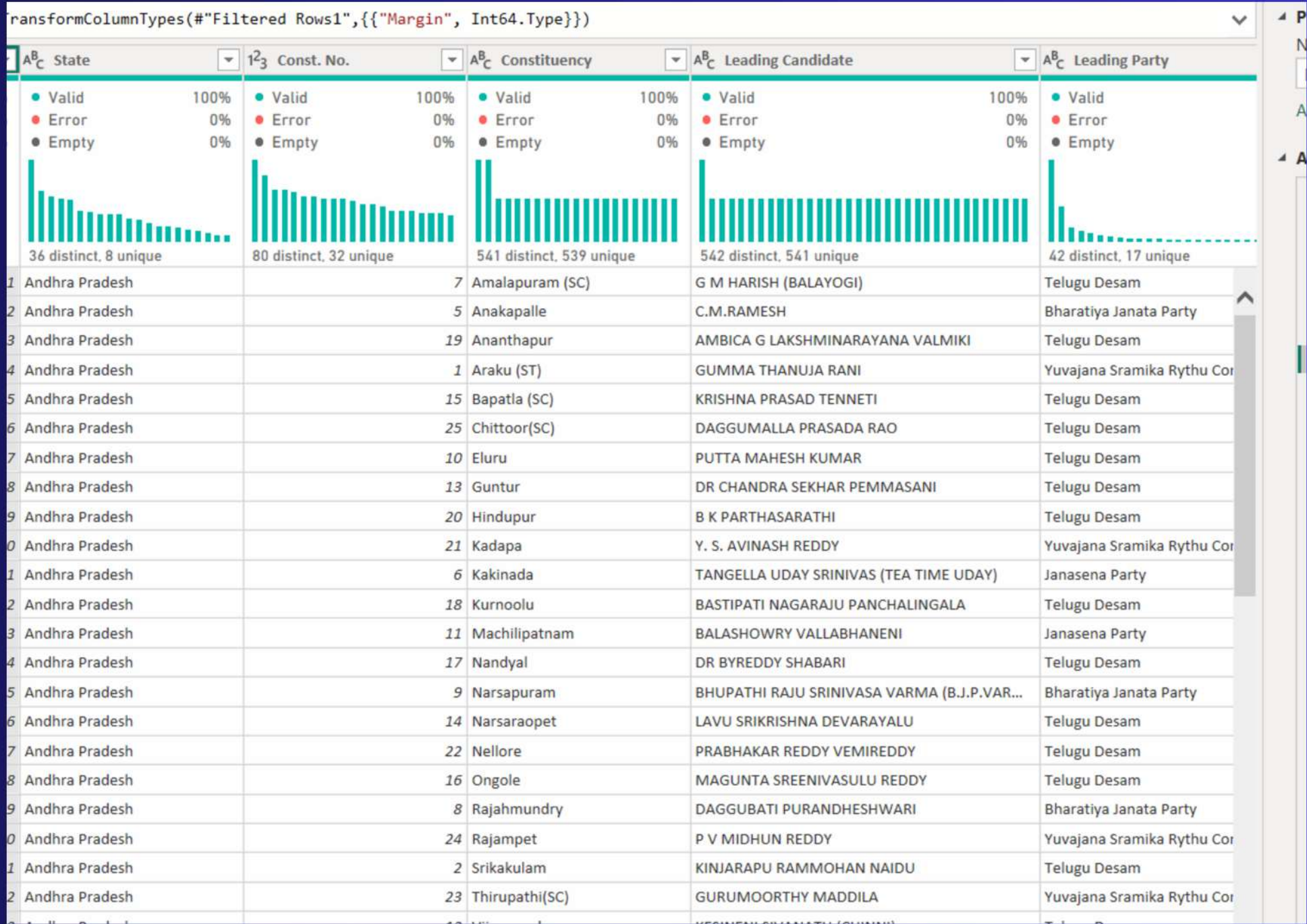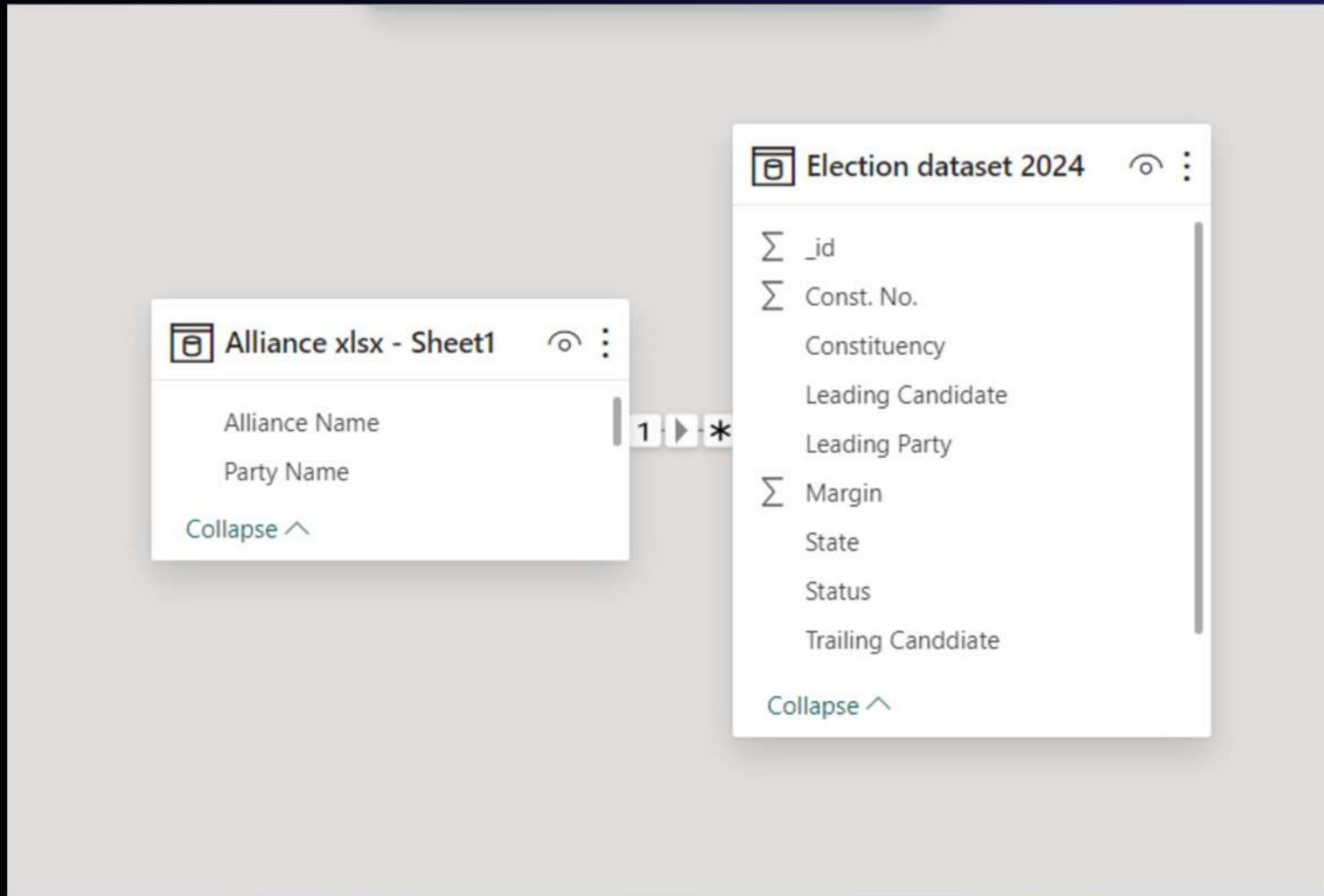
Data Description

Election Results Data:
- `_id`: Unique identifier for each record.
- `State`: Name of the state.
- `Const. No.`: Constituency number.
- `Constituency`: Name of the constituency.
- `Leading Candidate`: Name of the leading candidate.
- `Leading Party`: Name of the leading party.
- `Trailing Candidate`: Name of the trailing candidate.
- `Trailing Party`: Name of the trailing party.
- `Margin`: Vote margin between the leading and trailing candidates.
- `Status`: Status of the election result (e.g., Won, Lost, Leading, Trailing)

Party Alliance Data:
- `Party Name`: Name of the political party.
- `Alliance Name`: Name of the political alliance the party belongs to.
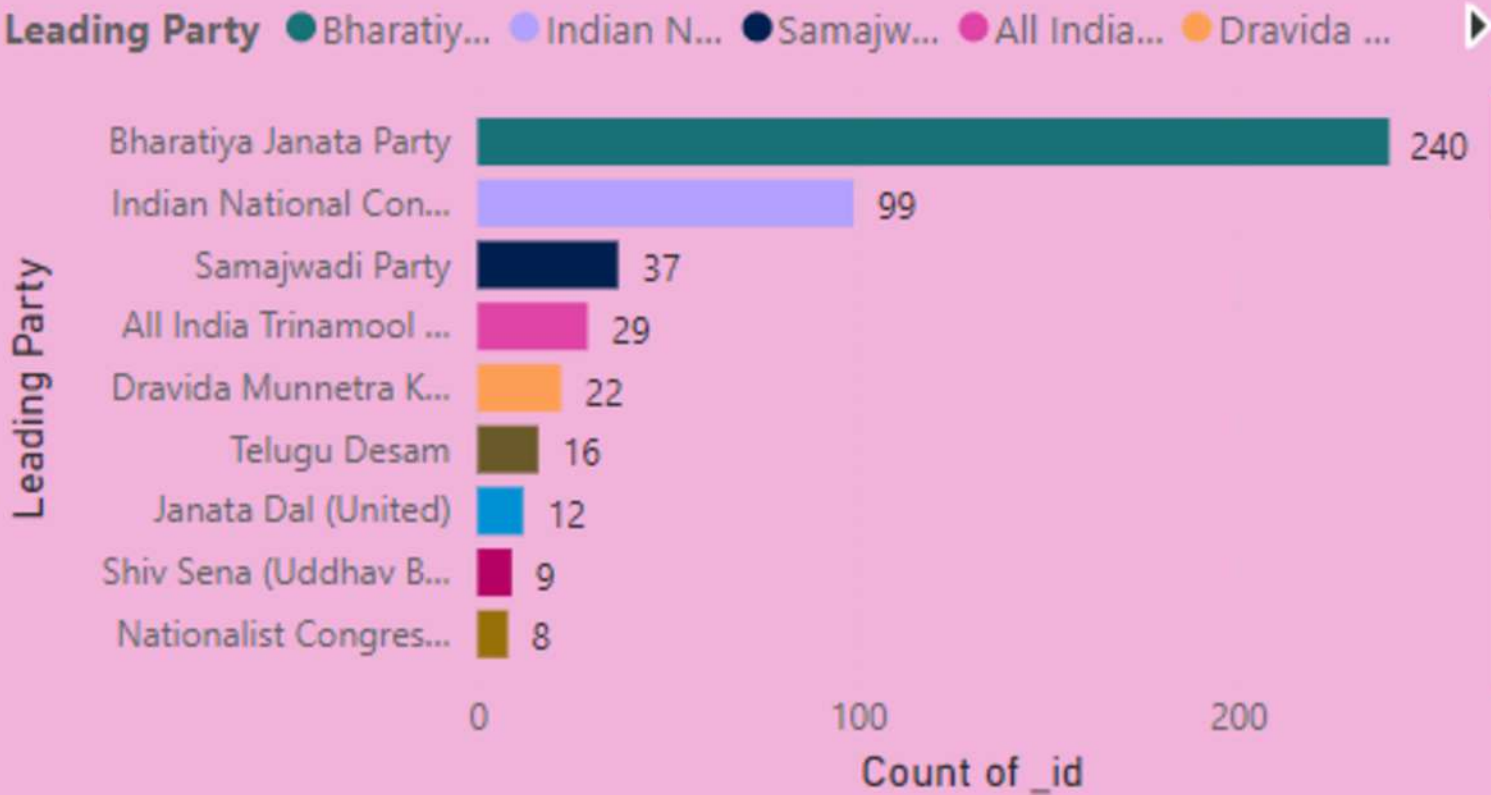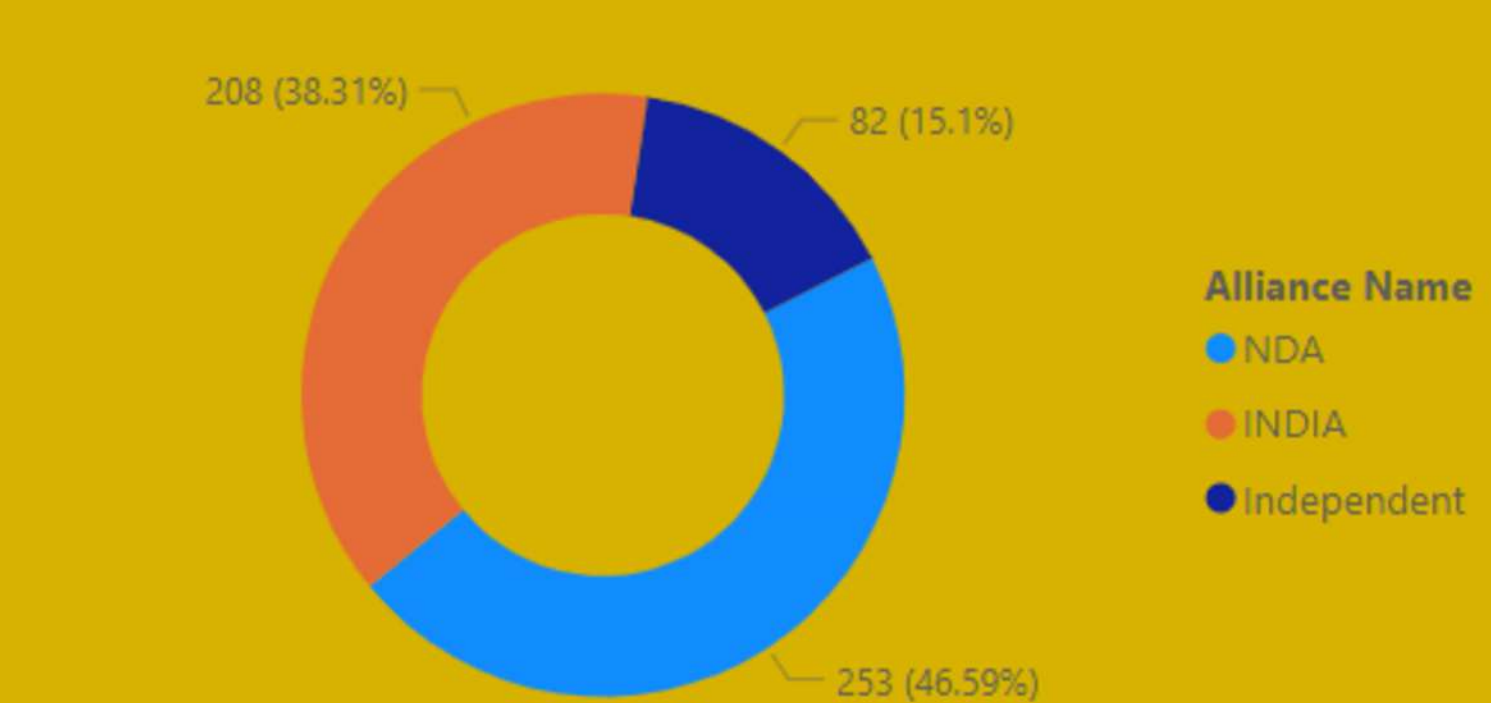.

Data Preparation and Cleaning
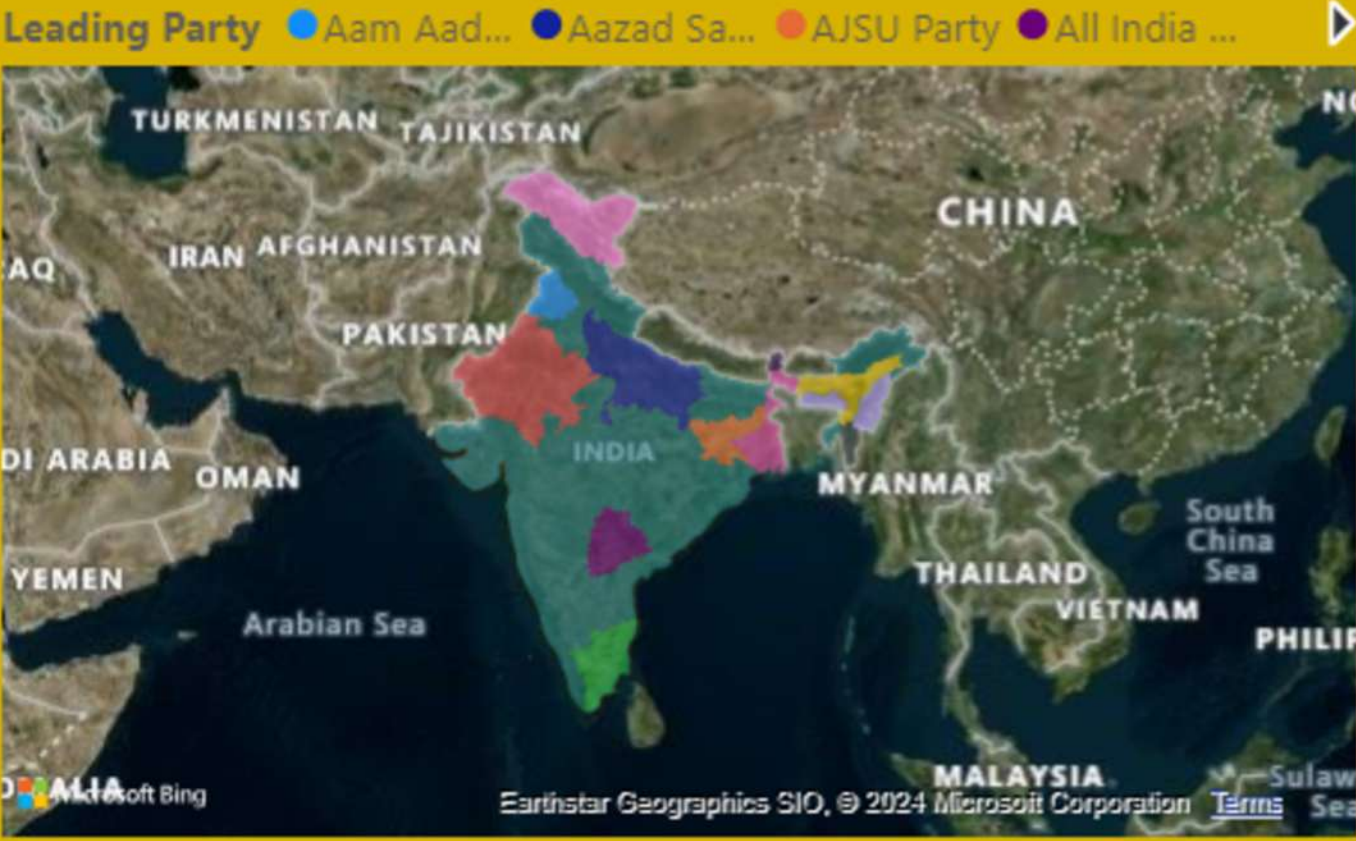
Overall Results

Total Seats won by each Party

Leading Party ● Bharatiy... ● Indian N... ● Samajw... ● All India... ● Dravida ... ▶

Leading Party	Count of _id
Bharatiya Janata Party	240
Indian National Con...	99
Samajwadi Party	37
All India Trinamool ...	29
Dravida Munnetra K...	22
Telugu Desam	16
Janata Dal (United)	12
Shiv Sena (Uddhav B...	9
Nationalist Congres...	8

Total Seats won by each Alliance

208 (38.31%)
82 (15.1%)
253 (46.59%)

Alliance Name
● NDA
● INDIA
● Independent

Leading Party	Alliance Name	Sum of Margin
Aazad Samaj Party (Kanshi Ram)	Independent	151473
AJSU Party	Independent	80880
All India Majlis-E-Ittehadul Muslimeen	Independent	338087
Bharat Adivasi Party	Independent	247054
Communist Party of India (Marxist)	Independent	746237
Communist Party of India (Marxist-Leninist) (Liberation)	Independent	165666
Hindustani Awam Morcha (Secular)	Independent	101812
Independent	Independent	629302
Jammu & Kashmir National Conference	Independent	470210
Janasena Party	Independent	452670
Janata Dal (Secular)	Independent	356008
Janata Dal (United)	Independent	1386413
Lok Janshakti Party(Ram Vilas)	Independent	720603
Nationalist Congress Party Sharadchandra Pawar	Independent	716571
Shiromani Akali Dal	Independent	49656
Shiv Sena (Uddhav Balasaheb Thackrey)	Independent	1015430
Telugu Desam	Independent	3660927
United Peoples Party, Liberal	Independent	51583
Voice of the People Party	Independent	371910
Yuvajana Sramika Rythu Congress Party	Independent	203915
Zoram Peoples Movement	Independent	68288
Aam Aadmi Party	INDIA	227517
All India Trinamool Congress	INDIA	4910963
Communist Party of India	INDIA	334885
Dravida Munnetra Kazhagam	INDIA	5081582
Indian National Congress	INDIA	13005922
Indian Union Muslim League	INDIA	702660
Total		**87993745**

State-wise Analysis

Leading Parties With respect to State

Leading Party ● Aam Aad... ● Aazad Sa... ● AJSU Party ● All India ... ▶

Alliance with respect to State

Alliance Name ● Independent ● INDIA ● NDA

State			
Uttar Pradesh	43		36
Maharashtra	18	13	17
West Bengal	30		12
Bihar	21	7	12
Tamil Nadu	37		
Madhya Pradesh	29		
Karnataka	9	17	
Gujarat	25		
Andhra Pradesh	22	3	

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Count of _id
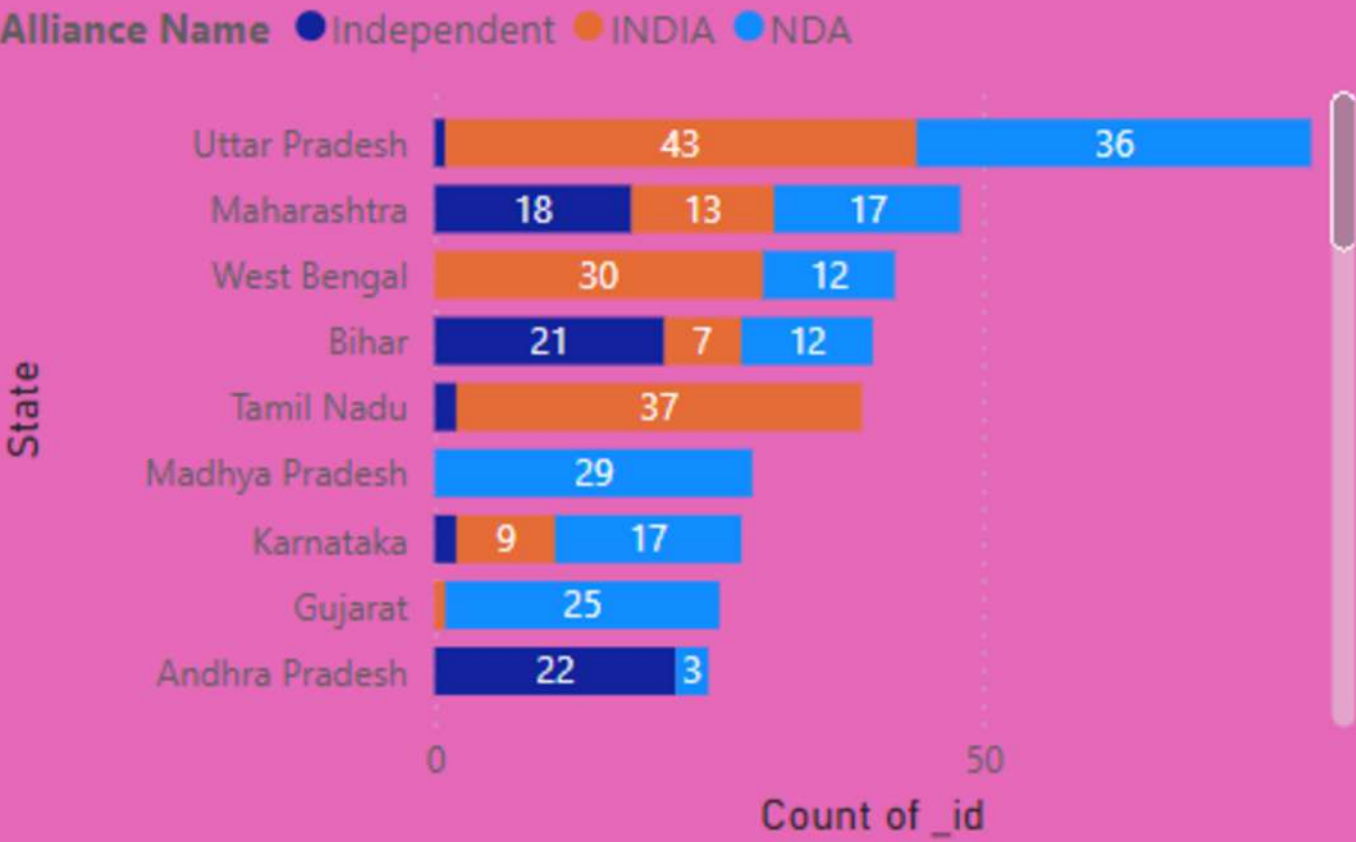
Heatmap of Parties Analysis
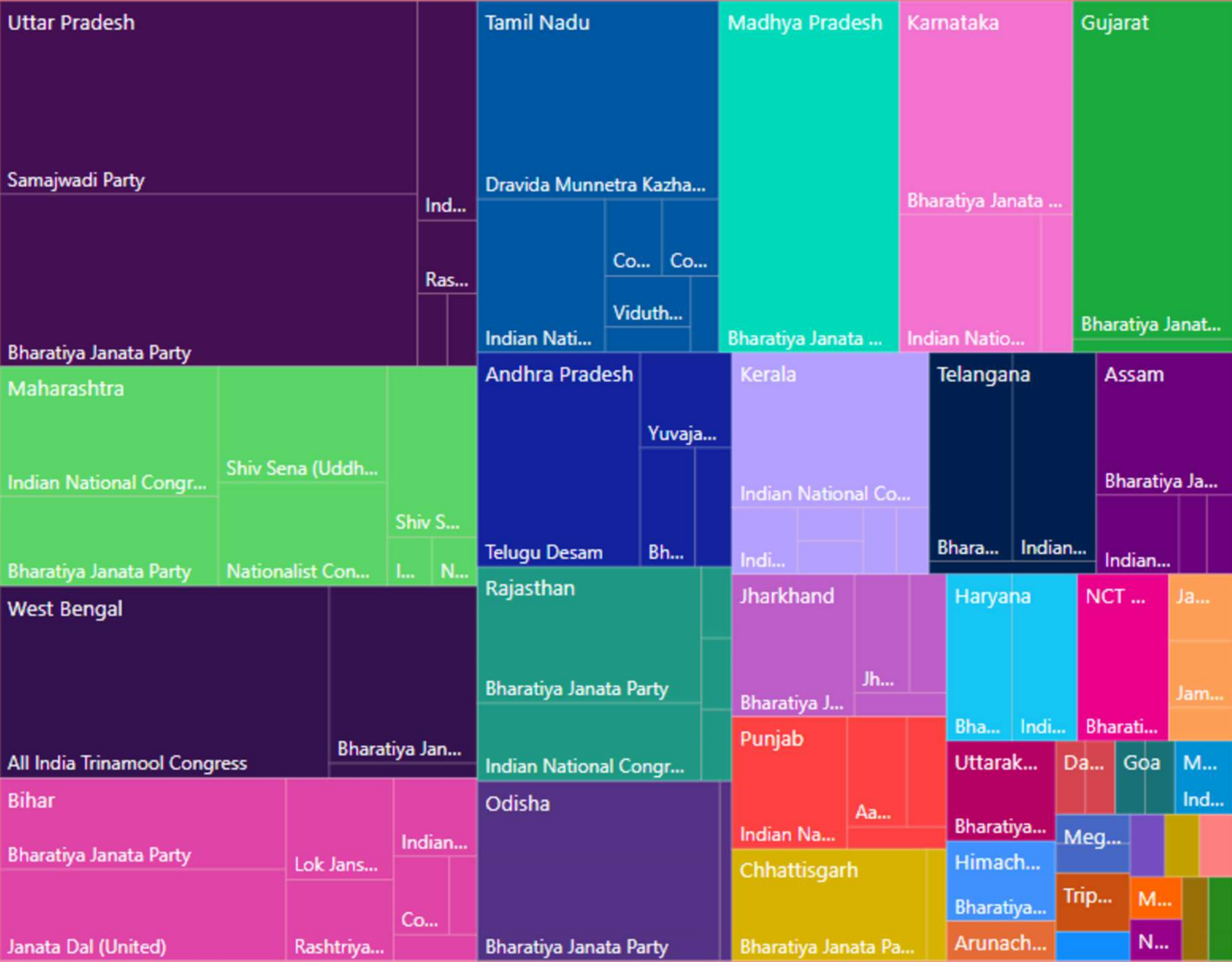
Constituency Analysis

Constituency Vs Margin
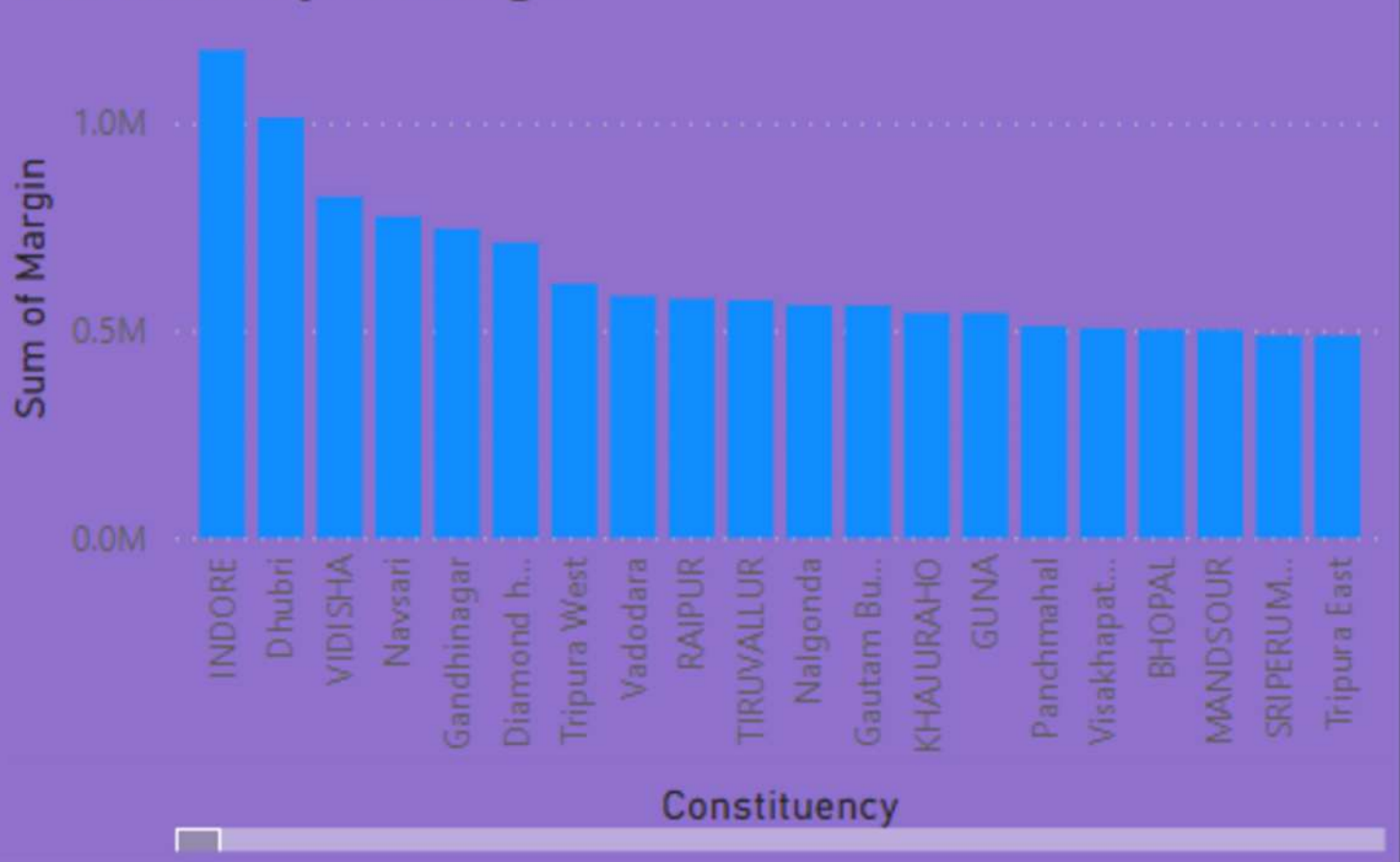
Analysis of Constituency

Constituency ● INDORE ● Dhubri ● VIDISHA ● Navsari ● Gandhinagar ▶
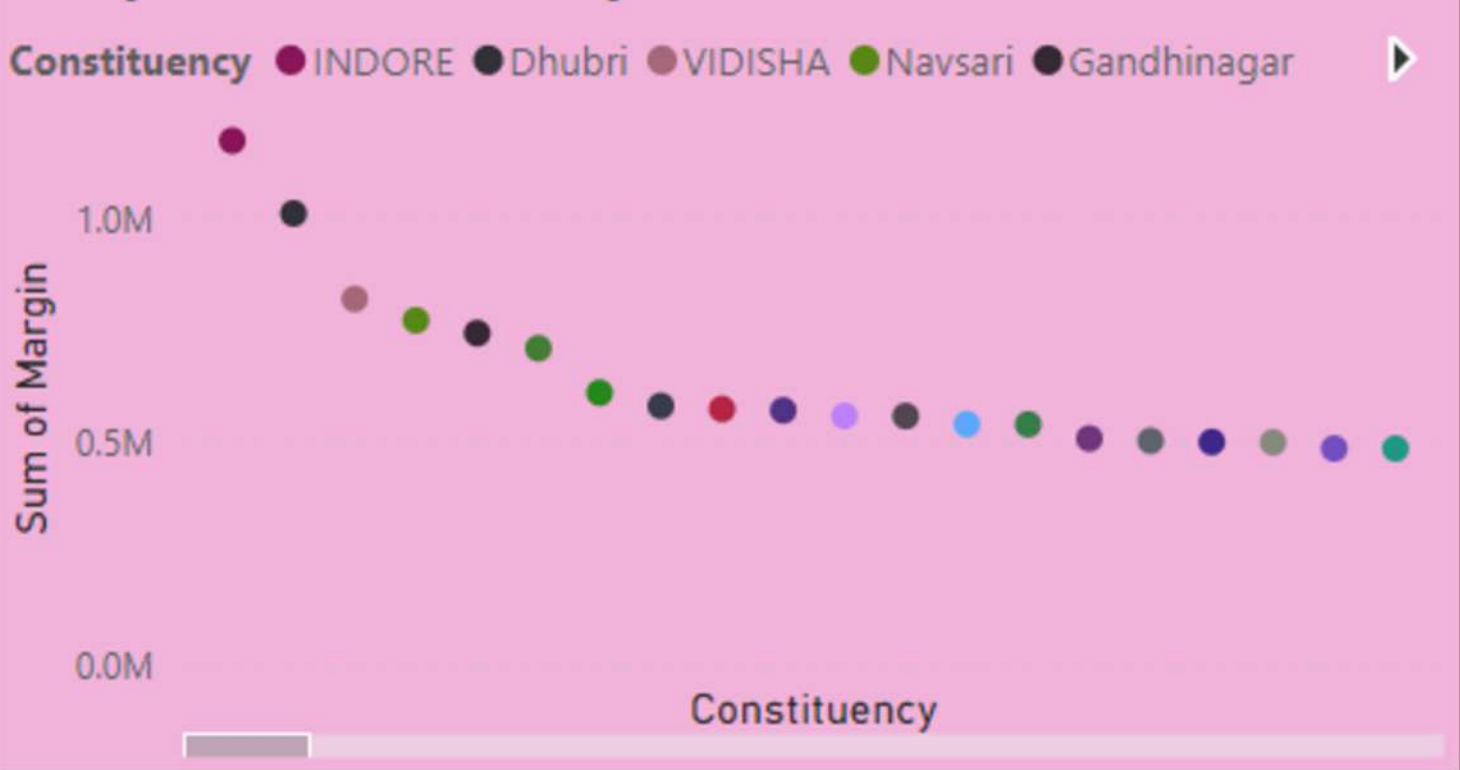
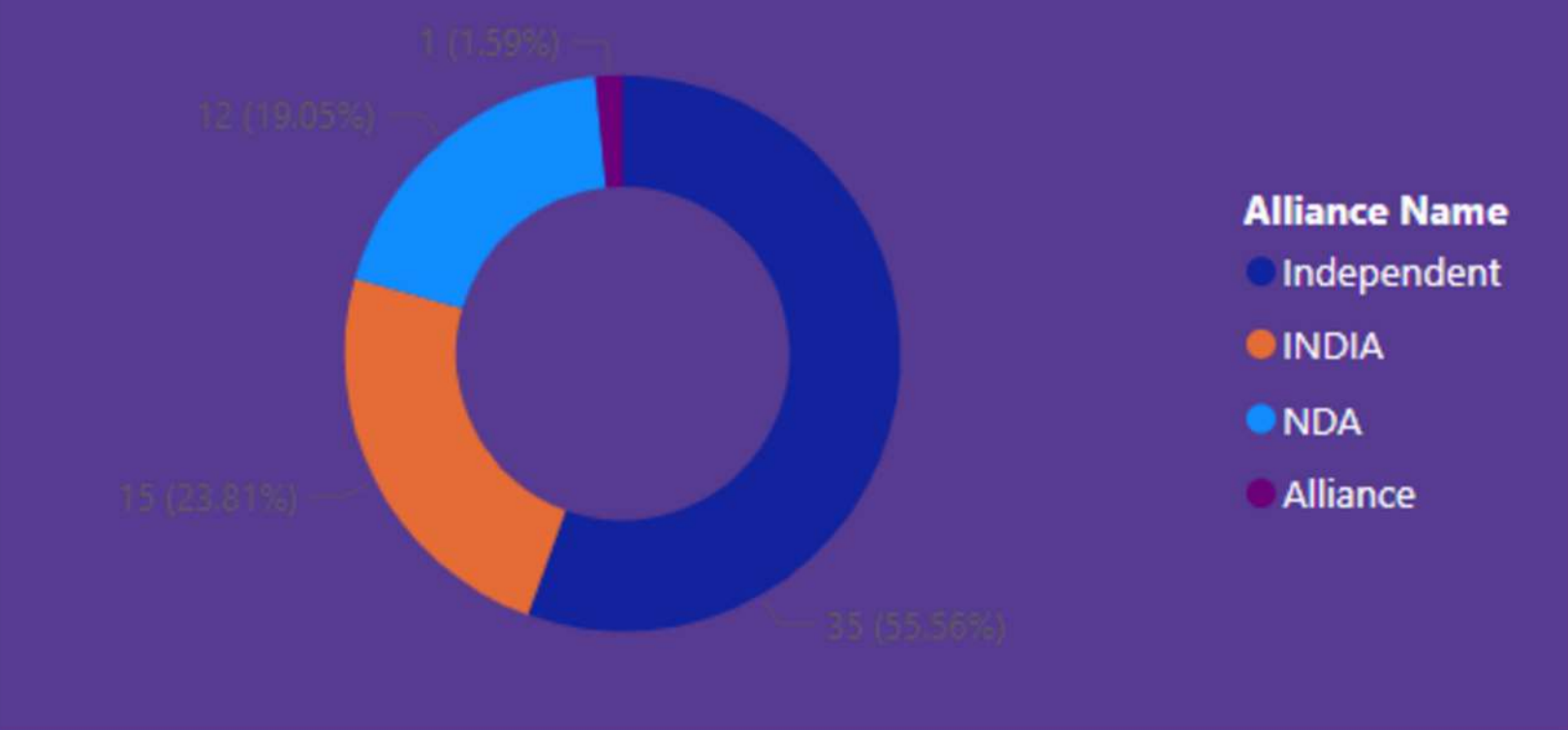| Const. No.	Constituency	Leading Party	Sum of Margin
1	Adilabad	Bharatiya Janata Party	90652
18	Agra	Bharatiya Janata Party	271294
7	Ahmedabad East	Bharatiya Janata Party	461755
8	Ahmedabad West	Bharatiya Janata Party	286437
37	Ahmednagar	Nationalist Congress Party Sharadchandra Pawar	28929
13	AJMER	Bharatiya Janata Party	329991
44	Akbarpur	Bharatiya Janata Party	44345
6	Akola	Bharatiya Janata Party	40626
15	Alappuzha	Indian National Congress	63513
9	Alathur	Communist Party of India (Marxist)	20111
15	Aligarh	Bharatiya Janata Party	15647
2	Alipurduars	Bharatiya Janata Party	75447
52	Allahabad	Indian National Congress	58795
3	Almora	Bharatiya Janata Party	234097
8	ALWAR	Bharatiya Janata Party	48282
7	Amalapuram (SC)	Telugu Desam	342196
1	AMBALA	Indian National Congress	49036
55	Ambedkar Nagar	Samajwadi Party	137247
37	Amethi	Indian National Congress	167196
7	Amravati	Indian National Congress	19731
14	Amreli	Bharatiya Janata Party	321068
2	Amritsar	Indian National Congress	40301
9	Amroha	Bharatiya Janata Party	28670
5	Anakapalle	Bharatiya Janata Party	296530
16	Anand	Bharatiya Janata Party	89939
6	Anandpur Sahib	Aam Aadmi Party	10846
19	Ananthapur	Telugu Desam	188555
Total			**87993745**

Party And Alliance Comparison

Margin Analysis with repect to Parties and Alliance
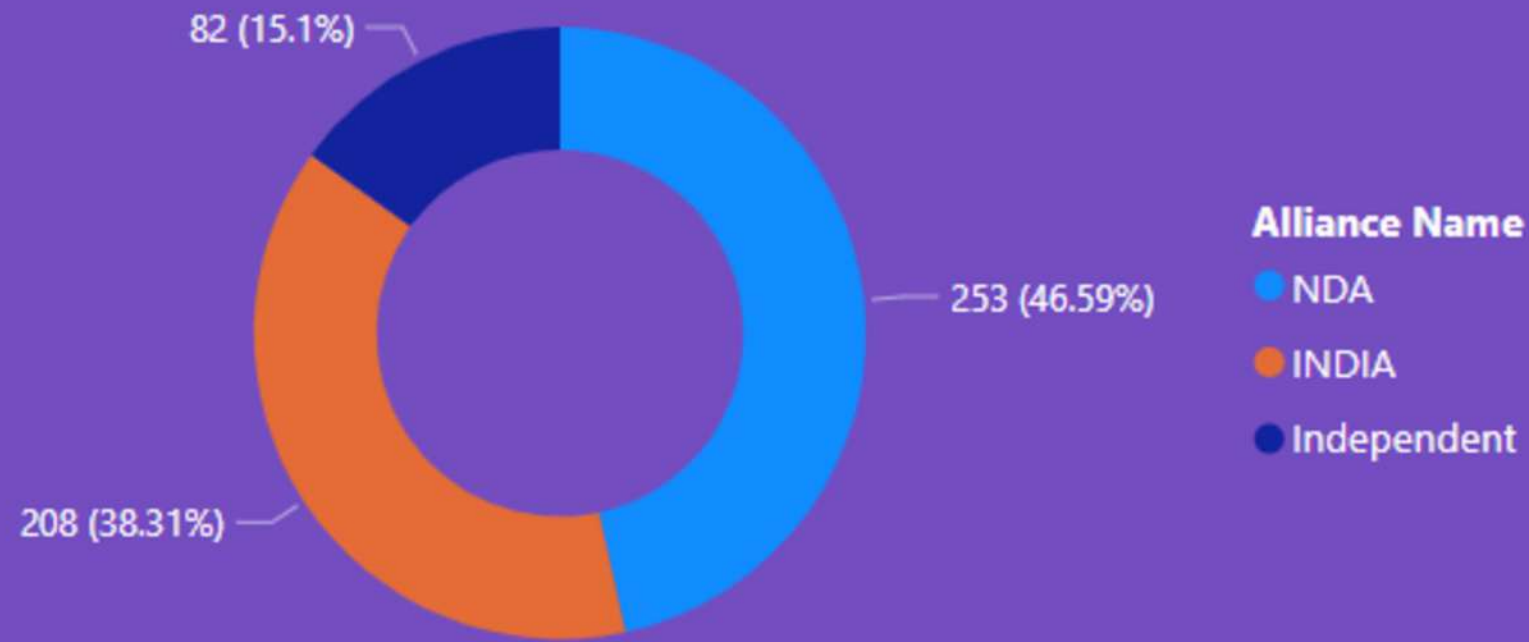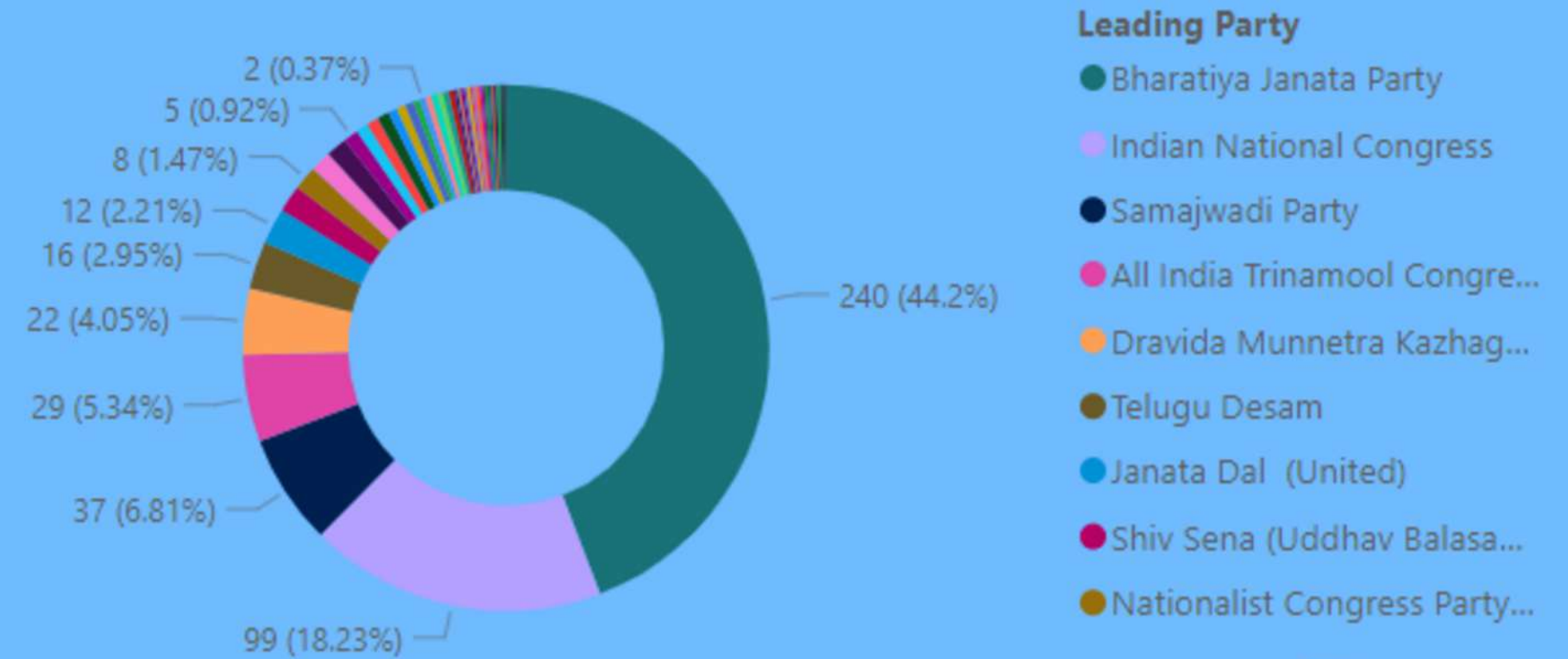
Alliance Name ● Independent ● INDIA ● NDA

Leading Party	Total Margin
Bharatiya Janata Party	46M
Indian National Cong...	13M
Dravida Munnetra Ka...	5M
All India Trinamool C...	5M
Telugu Desam	4M
Samajwadi Party	3M
Janata Dal (United)	1M
Shiv Sena (Uddhav B...	1M
Communist Party of I...	1M

Party count respect to Alliance

1 (1.59%)
12 (19.05%)
15 (23.81%)
35 (55.56%)

Alliance Name
● Independent
● INDIA
● NDA
● Alliance

Party Name	Alliance Name	Total Margin	Total Seats won
Aam Aadmi Party	INDIA	227517	3
Aazad Samaj Party (Kanshi Ram)	Independent	151473	1
AJSU Party	Independent	80880	1
All India Majlis-E-Ittehadul Muslimeen	Independent	338087	1
All India Trinamool Congress	INDIA	4910963	29
Apna Dal (Soneylal)	NDA	37810	1
Asom Gana Parishad	NDA	222351	1
Bharat Adivasi Party	Independent	247054	1
Bharatiya Janata Party	NDA	46081536	240
Communist Party of India	INDIA	334885	2
Communist Party of India (Marxist)	Independent	746237	4
Communist Party of India (Marxist-Leninist) (Liberation)	Independent	165666	2
Dravida Munnetra Kazhagam	INDIA	5081582	22
Hindustani Awam Morcha (Secular)	Independent	101812	1
Independent	Independent	629302	7
Indian National Congress	INDIA	13005922	99
Indian Union Muslim League	INDIA	702660	3
Jammu & Kashmir National Conference	Independent	470210	2
Janasena Party	Independent	452670	2
Janata Dal (Secular)	Independent	356008	2
Janata Dal (United)	Independent	1386413	12
Jharkhand Mukti Morcha	INDIA	369193	3
Kerala Congress	INDIA	87266	1
Lok Janshakti Party(Ram Vilas)	Independent	720603	5
Marumalarchi Dravida Munnetra Kazhagam	INDIA	313094	1
Nationalist Congress Party	NDA	82784	1
Nationalist Congress Party Sharadchandra Pawar	Independent	716571	8
Total		**87993745**	**543**

Trend Analysis

Dominant Alliance in Election

Alliance Name
- NDA
- INDIA
- Independent

- 253 (46.59%)
- 208 (38.31%)
- 82 (15.1%)

Dominant Parties in Election

Leading Party
- Bharatiya Janata Party
- Indian National Congress
- Samajwadi Party
- All India Trinamool Congre...
- Dravida Munnetra Kazhag...
- Telugu Desam
- Janata Dal (United)
- Shiv Sena (Uddhav Balasa...
- Nationalist Congress Party...

- 240 (44.2%)
- 99 (18.23%)
- 37 (6.81%)
- 29 (5.34%)
- 22 (4.05%)
- 16 (2.95%)
- 12 (2.21%)
- 8 (1.47%)
- 5 (0.92%)
- 2 (0.37%)

Margin trend in different Constituencies

Sum of Margin

1.0M
0.5M
0.0M

Constituency

Andaman &.., Amalapura..., Anakapalle, Ananthapur, Araku (ST), Bapatla (SC), Chittoor(SC), Eluru, Guntur, Hindupur, Kadapa, Kakinada, Kurnoolu, Machilipatn..., Nandyal, Narsapuram, Narsaraopet, Nellore, Ongole, Rajahmundry, Rajampet, Srikakulam, Thirupathi(SC), Vijayawada, Visakhapatn..., Vizianagaram, Arunachal E..., Arunachal ..., Barpeta, Darrang-Ud..., Dhubri, Dibrugarh, Diphu, Guwahati, Jorhat, Karimganj, Kaziranga, Kokrajhar, Lakhimpur, Nagaon, Silchar, Sonitpur, Araria, Arrah, Aurangabad, Banka, Begusarai, Bhagalpur, Buxar, Darbhanga, Gaya, Gopalganj, Hajipur, Jahanabad, Jamui, Jhanjharpur

Andhra Pradesh | Arun... | Assam | Bihar

Election Data Analysis Dashboard

| Bihar | Maharashtra | Uttar Pradesh | West Bengal | All ⌄ |

Total Seats	No. Of Party	Max of Margin	Min of Margin
543	63	1175092	48

State with max. Consituency

State	Value
Uttar Pradesh	80
Maharashtra	48
West Bengal	42
Bihar	40
Tamil Nadu	39
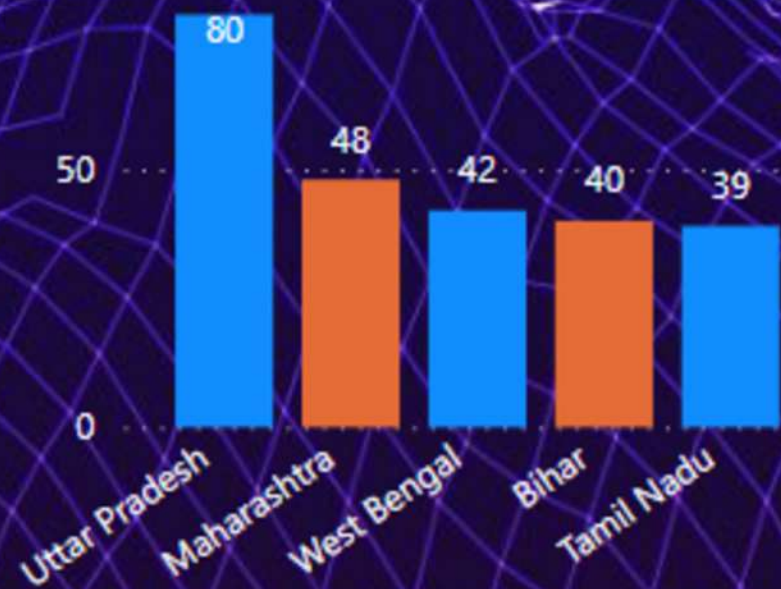
Constituency win with less Margin

Constituency	Value
KANKER	1884
JAIPUR RURAL	1615
Jajpur	1587
Attingal	684
Mumbai Nort...	48
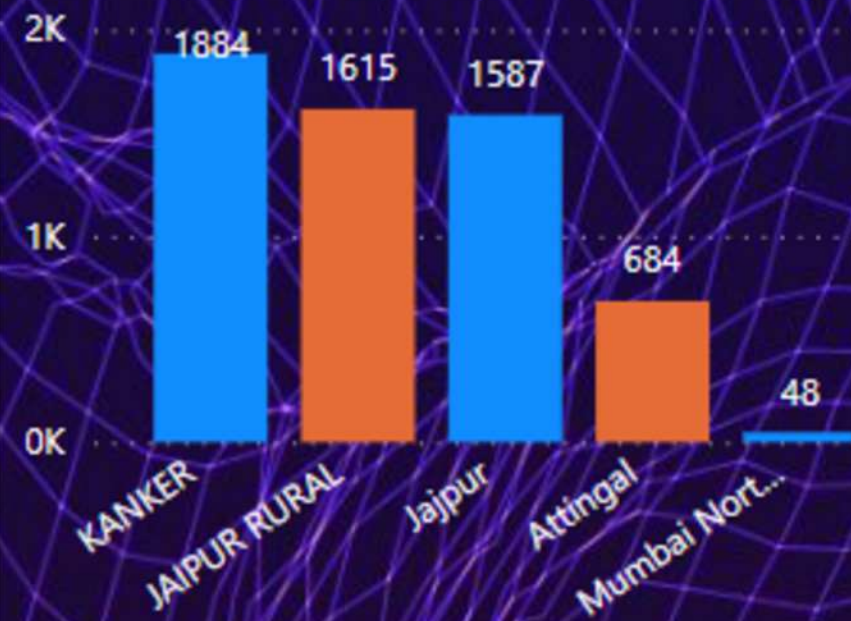
Party with Maximum Seats

Party	Seats
Bharatiya Janata Party	240
Indian National Congress	99
Samajwadi Party	37
All India Trinamool Congress	29
Dravida Munnetra Kazhagam	22
Telugu Desam	16

Most Trailing Party

Trailing Par...
- Indian N... — 167 (45%)
- Bharatiy... — 153 (42%)
- All India ... — 24 (7%)
- Samajwa... — 24 (7%)

Seats win by Alliance

Alliance Name
- NDA — 253 (46....)
- INDIA — 208 (38.31%)
- Independ... — 82 (15.1%)
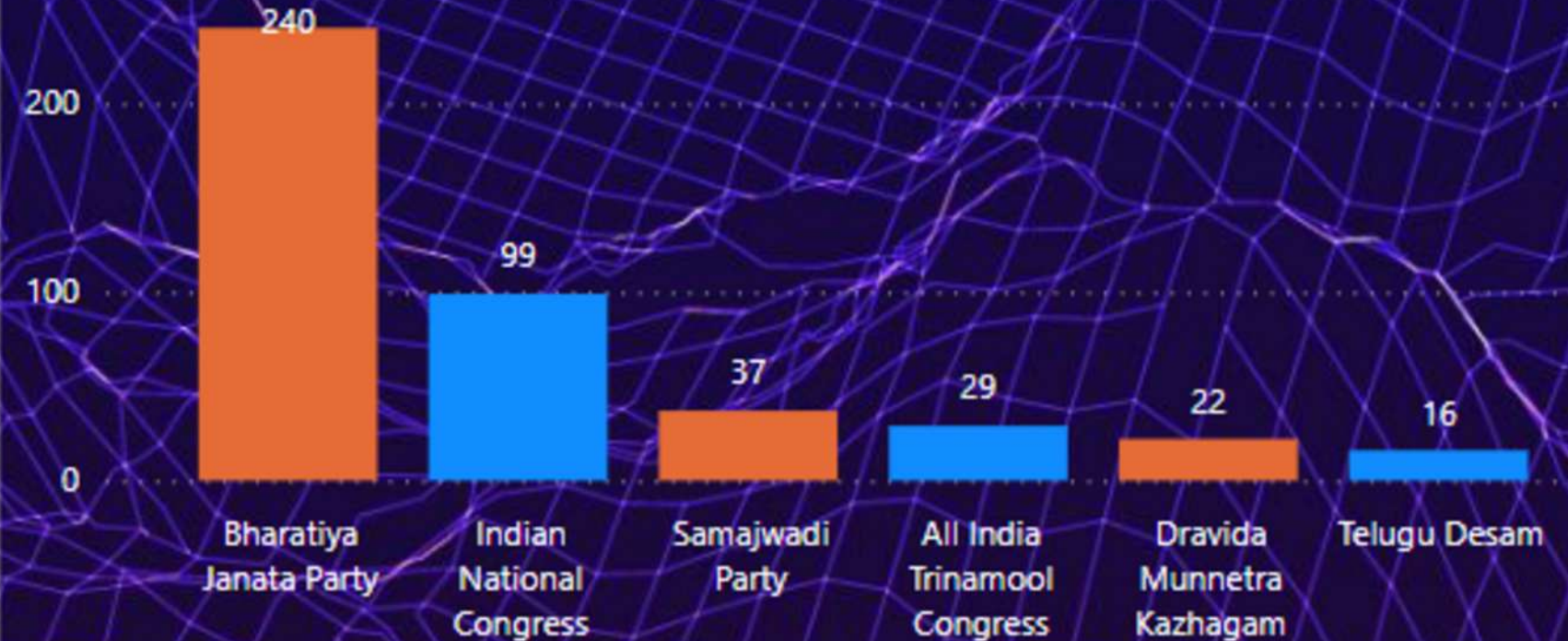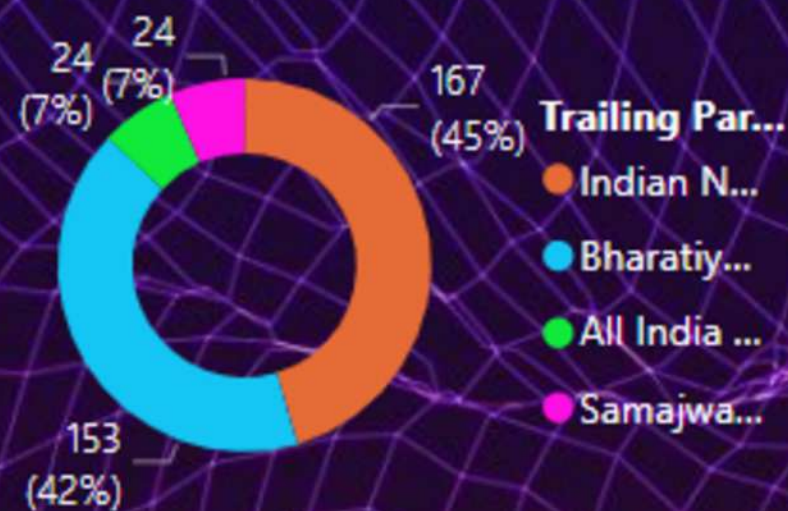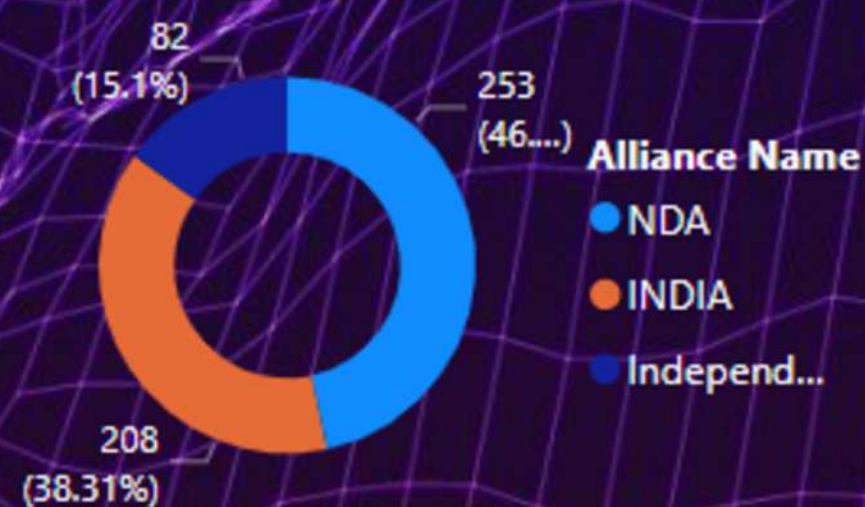
Trend in margin (IMP States)

State	Margin
Madhya Prad...	9.9M
Gujarat	8.2M
Uttar Pradesh	7.7M
West Bengal	5.9M
Maharashtra	5.2M
Telangana	3.5M
Tripura	1.1M

Conclusion

In conclusion, our election analysis project provides crucial insights into the 2024 election, revealing key voting patterns and demographic influences. The interactive visualizations and dashboards enhance transparency and equip stakeholders with valuable tools for strategic planning and policy development. This project underscores the importance of data-driven decision-making in strengthening our democratic processes.

Thank you!!!