

# INDIAN ELECTION RESULTS 2024: AN SQL-BASED ANALYSIS

Analyzing the Indian Elections  
2024 Data Using SQL



# INTRODUCTION TO THE PROJECT



My name is Sanchit Taneja, and in this project, I aim to analyze the Indian Election Results 2024 using SQL queries.

This project analyzes the Indian Election Results 2024 using SQL queries to extract insights from the election dataset, which includes detailed information about voter turnout, seat distribution, and demographics across various states and constituencies.

## Objectives:

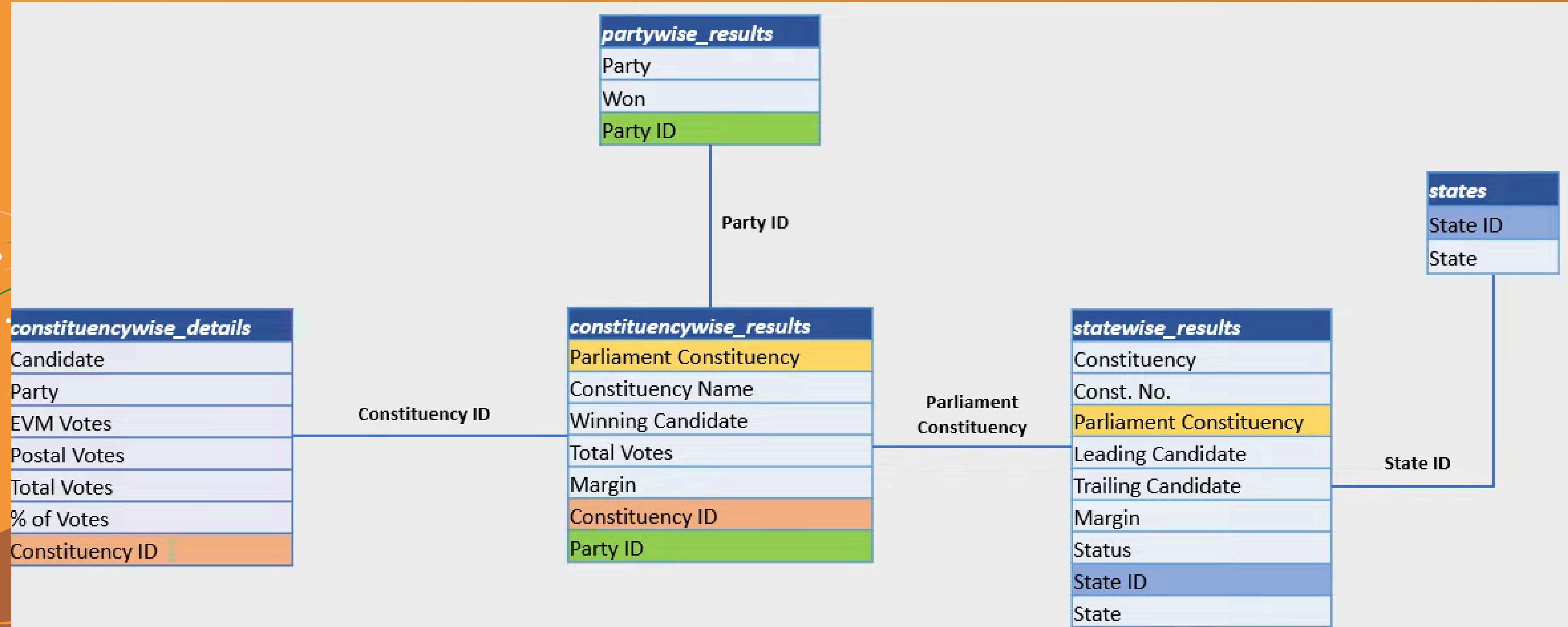
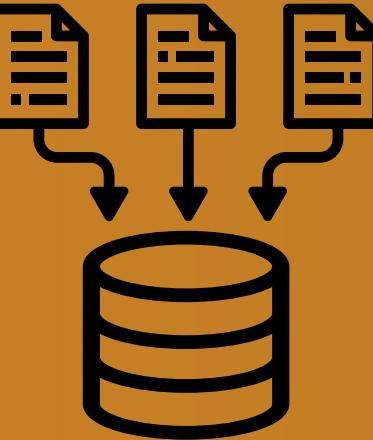
- Showcase how SQL can be used to derive insights from large election data.
- Answer key questions like party-wise seat distribution, regional trends, and voter behavior.

## Analysis Focus:

- Party-wise seat distribution
- Voter turnout and demographics
- Voting patterns by state and region

This analysis demonstrates how data extraction and interpretation with SQL help uncover meaningful patterns in election data.

# DATABASE SCHEMA OVERVIEW



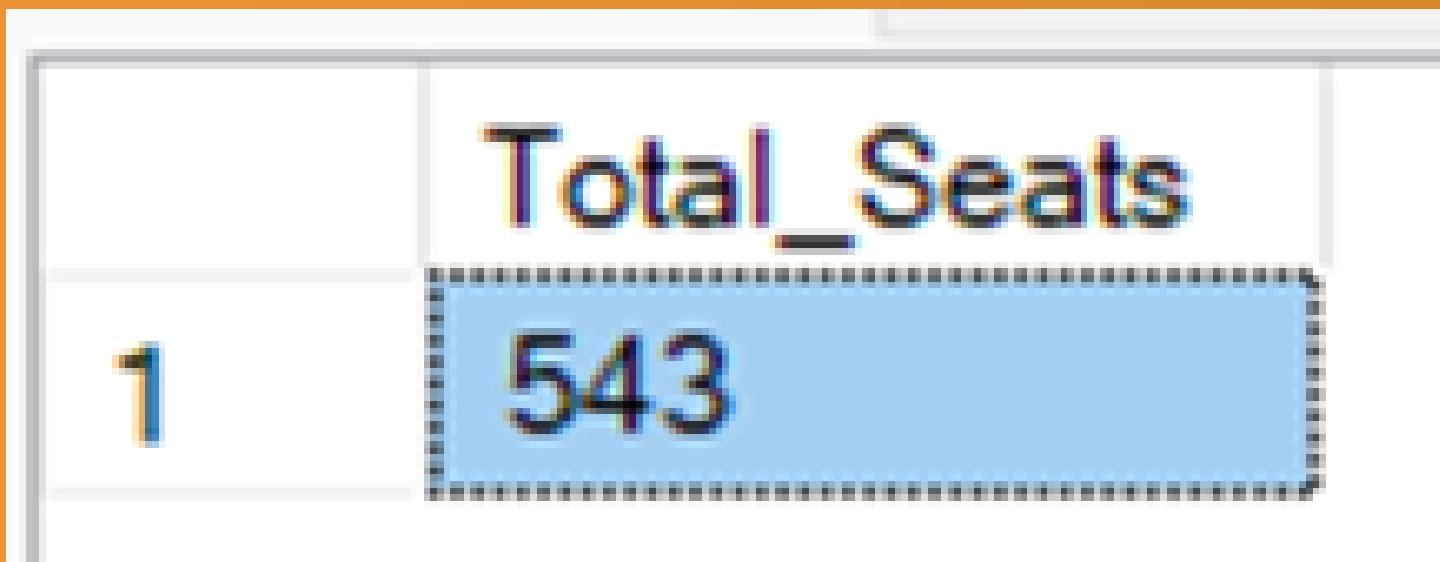
# PROBLEM STATEMENT / RESEARCH QUESTIONS



1. How many seats are available for elections?
2. What is the total number of seats available for elections in each state
3. Total Seats Won by NDA Allianz
4. Seats Won by NDA Allianz Parties
5. Total Seats Won by I.N.D.I.A. Allianz
6. Seats Won by I.N.D.I.A. Allianz Parties
7. Add new column field in table partywise\_results to get the Party Allianz as NDA, I.N.D.I.A and OTHER
8. Which party alliance (NDA, I.N.D.I.A, or OTHER) won the most seats across all states?
9. Winning candidate's name, party name, total votes, and the margin of victory for a specific state and constituency?
10. What is the distribution of EVM votes versus postal votes for candidates in a specific constituency?
11. Which parties won the most seats in the State, and how many seats did each party win?
12. What is the total number of seats won by each party alliance (NDA, I.N.D.I.A, and OTHER) in each state for the India Elections 2024
13. What is the total number of seats won by each party alliance (NDA, I.N.D.I.A, and OTHER) in each state for the India Elections 2024
14. What are the total number of seats, candidates, parties, votes (including EVM and postal), and the breakdown of EVM and postal votes for the state of Maharashtra?
15. Which candidate received the highest number of EVM votes in each constituency (Top 10)?
16. Which candidate won and which candidate was the runner-up in each constituency of State for the 2024 elections?

Problem 1: How many seats are available for elections?

```
SELECT DISTINCT  
    COUNT(Parliament_Constituency) AS Total_Seats  
FROM  
    constituencywise_results
```



	Total_Seats
1	543

## Problem 2: What is the total number of seats available for elections in each state

```

SELECT
    s.State AS State_Name,
    COUNT(cr.Constituency_ID) AS Total_Seats_Available
FROM
    constituencywise_results cr
JOIN
    statewise_results sr ON cr.Parliament_Constituency = sr.Parliament_Constituency
JOIN
    states s ON sr.State_ID = s.State_ID
GROUP BY
    s.State
ORDER BY
    s.State;
    
```

	State_Name	Total_Seats_Available
1	Andaman & Nicobar Islands	1
2	Andhra Pradesh	25
3	Arunachal Pradesh	2
4	Assam	14
5	Bihar	40
6	Chandigarh	1
7	Chhattisgarh	11
8	Dadra & Nagar Haveli and Daman & Diu	2
9	Delhi	7
10	Goa	2
11	Gujarat	26
12	Haryana	10
13	Himachal Pradesh	4
14	Jammu and Kashmir	5
15	Jharkhand	14
16	Karnataka	28
17	Kerala	20
18	Ladakh	1
19	Lakshadweep	1
20	Madhya Pradesh	29
21	Maharashtra	48
22	Manipur	2
23	Meghalaya	2
24	Mizoram	1
25	Nagaland	1
26	Odisha	21
27	Puducherry	1
28	Punjab	13
29	Rajasthan	25
30	Sikkim	1
31	Tamil Nadu	39
32	Telangana	17
33	Tripura	2
34	Uttar Pradesh	80
35	Uttarakhand	5
36	West Bengal	42

## Problem 3: Total Seats Won by NDA Allianz

```
SELECT
    SUM(CASE
        WHEN party IN (
            'Bharatiya Janata Party - BJP',
            'Telugu Desam - TDP',
            'Janata Dal (United) - JD(U)',
            'Shiv Sena - SHS',
            'AJSU Party - AJSUP',
            'Apna Dal (Soneylal) - ADAL',
            'Asom Gana Parishad - AGP',
            'Hindustani Awam Morcha (Secular) - HAMS',
            'Janasena Party - JnP',
            'Janata Dal (Secular) - JD(S)',
            'Lok Janshakti Party(Ram Vilas) - LJPRV',
            'Nationalist Congress Party - NCP',
            'Rashtriya Lok Dal - RLD',
            'Sikkim Krantikari Morcha - SKM'
        ) THEN [Won]
        ELSE 0
    END) AS NDA_Total_Seats_Won
FROM
    partywise_results
```

The screenshot shows a SQL query results window. At the top, there are two tabs: "Results" (highlighted in blue) and "Messages". The main area displays a single row of data in a table format. The column header is "NDA\_Total\_Seats\_Won" and the value is "292". The cell containing "292" is highlighted with a blue dashed border.

	NDA_Total_Seats_Won
1	292

# Problem 4: How many seats were won by individual parties within the NDA alliance?

```

SELECT
    party as Party_Name,
    won as Seats_Won
FROM
    partywise_results
WHERE
    party IN (
        'Bharatiya Janata Party - BJP',
        'Telugu Desam - TDP',
        'Janata Dal (United) - JD(U)',
        'Shiv Sena - SHS',
        'AJSU Party - AJSUP',
        'Apna Dal (Soneylal) - ADAL',
        'Asom Gana Parishad - AGP',
        'Hindustani Awam Morcha (Secular) - HAMS',
        'Janasena Party - JnP',
        'Janata Dal (Secular) - JD(S)',
        'Lok Janshakti Party(Ram Vilas) - LJPRV',
        'Nationalist Congress Party - NCP',
        'Rashtriya Lok Dal - RLD',
        'Sikkim Krantikari Morcha - SKM'
    )
ORDER BY Seats_Won DESC

```

	Party_Name	Seats_Won
1	Bharatiya Janata Party - BJP	240
2	Telugu Desam - TDP	16
3	Janata Dal (United) - JD(U)	12
4	Shiv Sena - SHS	7
5	Lok Janshakti Party(Ram Vilas) - LJPRV	5
6	Janata Dal (Secular) - JD(S)	2
7	Janasena Party - JnP	2
8	Rashtriya Lok Dal - RLD	2
9	Sikkim Krantikari Morcha - SKM	1
10	Nationalist Congress Party - NCP	1
11	Hindustani Awam Morcha (Secular) - ...	1
12	Asom Gana Parishad - AGP	1
13	AJSU Party - AJSUP	1
14	Apna Dal (Soneylal) - ADAL	1

# Problem 5: Total Seats Won by I.N.D.I.A. Allianz

```
SELECT
    SUM(CASE
        WHEN party IN (
            'Indian National Congress - INC',
            'Aam Aadmi Party - AAAP',
            'All India Trinamool Congress - AITC',
            'Bharat Adivasi Party - BHRTADVSIP',
            'Communist Party of India (Marxist) - CPI(M)',
            'Communist Party of India (Marxist-Leninist) (Liberation) - CPI(ML)(L)',
            'Communist Party of India - CPI',
            'Dravida Munnetra Kazhagam - DMK',
            'Indian Union Muslim League - IUML',
            'National Jammu & Kashmir National Conference - JKN',
            'Jharkhand Mukti Morcha - JMM',
            'Jammu & Kashmir National Conference - JKNC',
            'Kerala Congress - KEC',
            'Marumalarchi Dravida Munnetra Kazhagam - MDMK',
            'Nationalist Congress Party Sharadchandra Pawar - NCPSP',
            'Rashtriya Janata Dal - RJD',
            'Rashtriya Loktantrik Party - RLTP',
            'Revolutionary Socialist Party - RSP',
            'Samajwadi Party - SP',
            'Shiv Sena (Uddhav Balasaheb Thackeray) - SHSUBT',
            'Viduthalai Chiruthaigal Katchi - VCK'
        ) THEN 1
        ELSE 0
    END) AS INDIA_Total_Seats_Won
FROM
    partywise_results
```

	INDIA_Total_Seats_Won
1	234

# Problem 6: Seats Won by I.N.D.I.A. Allianz Parties

```

SELECT
    party as Party_Name,
    won as Seats_Won
FROM
    partywise_results
WHERE
    party IN (
        'Indian National Congress - INC',
        'Aam Aadmi Party - AAAP',
        'All India Trinamool Congress - AITC',
        'Bharat Adivasi Party - BHRTADVSIP',
        'Communist Party of India (Marxist) - CPI(M)',
        'Communist Party of India (Marxist-Leninist) (Liberation) - CPI(ML)(L)',
        'Communist Party of India - CPI',
        'Dravida Munnetra Kazhagam - DMK',
        'Indian Union Muslim League - IUML',
        'Nat`Jammu & Kashmir National Conference - JKN',
        'Jharkhand Mukti Morcha - JMM',
        'Jammu & Kashmir National Conference - JKN',
        'Kerala Congress - KEC',
        'Marumalarchi Dravida Munnetra Kazhagam - MDMK',
        'Nationalist Congress Party Sharadchandra Pawar - NCPSP',
        'Rashtriya Janata Dal - RJD',
        'Rashtriya Loktantrik Party - RLTP',
        'Revolutionary Socialist Party - RSP',
        'Samajwadi Party - SP',
        'Shiv Sena (Uddhav Balasaheb Thackrey) - SHSUBT',
        'Viduthalai Chiruthaigal Katchi - VCK'
    )
ORDER BY Seats_Won DESC

```

	Party_Name	Seats_Won
1	Indian National Congress - INC	99
2	Samajwadi Party - SP	37
3	All India Trinamool Congress - AITC	29
4	Dravida Munnetra Kazhagam - DMK	22
5	Shiv Sena (Uddhav Balasaheb Thackrey) - SHSUBT	9
6	Nationalist Congress Party Sharadchandra Pawar - ...	8
7	Rashtriya Janata Dal - RJD	4
8	Communist Party of India (Marxist) - CPI(M)	4
9	Aam Aadmi Party - AAAP	3
10	Indian Union Muslim League - IUML	3
11	Jharkhand Mukti Morcha - JMM	3
12	Jammu & Kashmir National Conference - JKN	2
13	Communist Party of India - CPI	2
14	Communist Party of India (Marxist-Leninist) (Liber...)	2
15	Viduthalai Chiruthaigal Katchi - VCK	2
16	Rashtriya Loktantrik Party - RLTP	1
17	Revolutionary Socialist Party - RSP	1
18	Bharat Adivasi Party - BHRTADVSIP	1
19	Kerala Congress - KEC	1
20	Marumalarchi Dravida Munnetra Kazhagam - MDMK	1

# Problem 7: How can we add a new column to the dataset to classify parties as NDA, I.N.D.I.A, or OTHER?

```
ALTER TABLE partywise_results
ADD party_alliance VARCHAR(50);
```

```
-- I.N.D.I.A Allianz
UPDATE partywise_results
SET party_alliance = 'I.N.D.I.A'
WHERE party IN (
    'Indian National Congress - INC',
    'Aam Aadmi Party - AAAP',
    'All India Trinamool Congress - AITC',
    'Bharat Adivasi Party - BHRTADVSIP',
    'Communist Party of India (Marxist) - CPI(M)',
    'Communist Party of India (Marxist-Leninist) (Liberation) - CPI(ML)(L',
    'Communist Party of India - CPI',
    'Dravida Munnetra Kazhagam - DMK',
    'Indian Union Muslim League - IUML',
    'Jammu & Kashmir National Conference - JKN',
    'Jharkhand Mukti Morcha - JMM',
    'Kerala Congress - KEC',
    'Marumalarchi Dravida Munnetra Kazhagam - MDMK',
    'Nationalist Congress Party Sharadchandra Pawar - NCPSP',
    'Rashtriya Janata Dal - RJD',
    'Rashtriya Loktantrik Party - RLTP',
    'Revolutionary Socialist Party - RSP',
    'Samajwadi Party - SP',
    'Shiv Sena (Uddhav Balasaheb Thackrey) - SHSUBT',
    'Viduthalai Chiruthaigal Katchi - VCK'
);

-- NDA Allianz
UPDATE partywise_results
SET party_alliance = 'NDA'
WHERE party IN (
    'Bharatiya Janata Party - BJP',
    'Telugu Desam - TDP',
    'Janata Dal (United) - JD(U)',
    'Shiv Sena - SHS',
    'AJSU Party - AJSUP',
    'Apna Dal (Soneylal) - ADAL',
    'Asom Gana Parishad - AGP',
    'Hindustani Awam Morcha (Secular) - HAMS',
    'Janasena Party - JnP',
    'Janata Dal (Secular) - JD(S)',
    'Lok Janshakti Party(Ram Vilas) - LJPRV',
    'Nationalist Congress Party - NCP',
    'Rashtriya Lok Dal - RLD',
    'Sikkim Krantikari Morcha - SKM'
);

-- OTHER
UPDATE partywise_results
SET party_alliance = 'OTHER'
WHERE party_alliance IS NULL;
```

Results    Messages

	Party	Won	Party_ID	party_alliance
1	Aam Aadmi Party - AAAP	3	1	I.N.D.I.A
2	Asom Gana Parishad - AGP	1	83	NDA
3	All India Majlis-E-Ittehadul Muslimeen - AIMIM	1	118	OTHER
4	All India Trinamool Congress - AITC	29	140	I.N.D.I.A
5	AJSU Party - AJSUP	1	160	NDA
6	Bharatiya Janata Party - BJP	240	369	NDA
7	Communist Party of India - CPI	2	544	I.N.D.I.A
8	Communist Party of India (Marxist-Leninist) (Li...	2	545	I.N.D.I.A
9	Communist Party of India (Marxist) - CPI(M)	4	547	I.N.D.I.A
10	Dravida Munnetra Kazhagam - DMK	22	582	I.N.D.I.A
11	Hindustani Awam Morcha (Secular) - HAMS	1	664	NDA
12	Indian National Congress - INC	99	742	I.N.D.I.A
13	Independent - IND	7	743	OTHER
14	Indian Union Muslim League - IUML	3	772	I.N.D.I.A
15	Janata Dal (Secular) - JD(S)	2	804	NDA
16	Janata Dal (United) - JD(U)	12	805	NDA

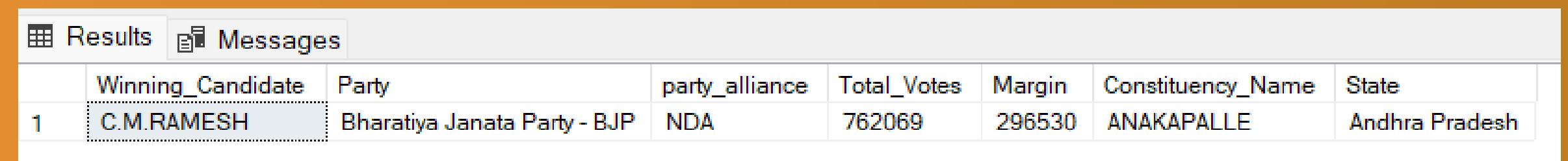
## Problem 8: Which party alliance (NDA, I.N.D.I.A, or OTHER) won the most seats across all states?

```
SELECT  
    p.party_alliance,  
    COUNT(cr.Constituency_ID) AS Seats_Won  
FROM  
    constituencywise_results cr  
JOIN  
    partywise_results p ON cr.Party_ID = p.Party_ID  
WHERE  
    p.party_alliance IN ('NDA', 'I.N.D.I.A', 'OTHER')  
GROUP BY  
    p.party_alliance  
ORDER BY  
    Seats_Won DESC;
```

	party_alliance	Seats_Won
1	NDA	292
2	I.N.D.I.A	234
3	OTHER	17

## Problem 9: Winning candidate's name, their party name, total votes, and the margin of victory for a specific state and constituency?

```
SELECT
    cr.Winning_Candidate,
    p.Party,
    p.party_alliance,
    cr.Total_Votes,
    cr.Margin,
    cr.Constituency_Name,
    s.State
FROM
    constituencywise_results cr
    JOIN
    partywise_results p ON cr.Party_ID = p.Party_ID
    JOIN
    statewise_results sr ON cr.Parliament_Constituency = sr.Parliament_Constituency
    JOIN
    states s ON sr.State_ID = s.State_ID
WHERE
    s.State = 'Andhra Pradesh'
    AND cr.Constituency_Name = 'ANAKAPALLE';
```



The screenshot shows a SQL query results window with two tabs: 'Results' and 'Messages'. The 'Results' tab is selected and displays a single row of data from the query. The data is presented in a table with columns: Winning\_Candidate, Party, party\_alliance, Total\_Votes, Margin, Constituency\_Name, and State. The values for the row are: C.M.RAMESH, Bharatiya Janata Party - BJP, NDA, 762069, 296530, ANAKAPALLE, Andhra Pradesh.

	Winning_Candidate	Party	party_alliance	Total_Votes	Margin	Constituency_Name	State
1	C.M.RAMESH	Bharatiya Janata Party - BJP	NDA	762069	296530	ANAKAPALLE	Andhra Pradesh

# Problem 10: What is the distribution of EVM votes versus postal votes for candidates in a specific constituency?

```
SELECT
    cr.Winning_Candidate,
    p.Party,
    p.party_alliance,
    cr.Total_Votes,
    cr.Margin,
    cr.Constituency_Name,
    s.State
FROM
    constituencywise_results cr
    JOIN
    partywise_results p ON cr.Party_ID = p.Party_ID
    JOIN
    statewise_results sr ON cr.Parliament_Constituency = sr.Parliament_Constituency
    JOIN
    states s ON sr.State_ID = s.State_ID
WHERE
    s.State = 'Andhra Pradesh'
    AND cr.Constituency_Name = 'ANAKAPALLE';
```

•

	Winning_Candidate	Party	party_alliance	Total_Votes	Margin	Constituency_Name	State
1	C.M.RAMESH	Bharatiya Janata Party - BJP	NDA	762069	296530	ANAKAPALLE	Andhra Pradesh

# Problem 11: What is the distribution of EVM votes versus postal votes for candidates in a specific constituency?

```

SELECT
    cd.Candidate,
    cd.Party,
    cd.EVM_Votes,
    cd.Postal_Votes,
    cd.Total_Votes,
    cr.Constituency_Name
FROM
    constituencywise_details cd
JOIN
    constituencywise_results cr ON cd.Constituency_ID = cr.Constituency_ID
WHERE
    cr.Constituency_Name = 'ANAKAPALLE'
ORDER BY cd.Total_Votes DESC;

```

Results    Messages

	Candidate	Party	EVM_Votes	Postal_Votes	Total_Votes	Constituency_Name
1	C.M.RAMESH	Bharatiya Janata Party	750027	12042	762069	ANAKAPALLE
2	BUDI MUTYALA NAIDU	Yuvajana Sramika Rythu Congress Party	459762	5777	465539	ANAKAPALLE
3	NOTA	None of the Above	26084	151	26235	ANAKAPALLE
4	VEGI VENKATESH	Indian National Congress	24833	818	25651	ANAKAPALLE
5	PALAKA SREERAMA MURTHY	Bahujan Samaj Party	19082	75	19157	ANAKAPALLE
6	VANKAYALA RAMACHANDRA RAO	Independent	4001	1	4002	ANAKAPALLE
7	LOVARAJU SIDDHA	Independent	3845	7	3852	ANAKAPALLE
8	KRISHNA SWAROOP VADLAMURI	Dalita Bahujana Party	3549	8	3557	ANAKAPALLE
9	GARA SURYA RAO	Independent	3116	8	3124	ANAKAPALLE
10	APPALA RAJU NAMMI	Bharatha Chaitanya YuvaJana Party	2589	30	2619	ANAKAPALLE
11	NAGESWARA RAO PETLA	Independent	2179	5	2184	ANAKAPALLE
12	ADARI SARAT CHANDRA	Jai Bharat National Party	1886	27	1913	ANAKAPALLE
13	VIJAYA LAKSHMI KARRI	Pyramid Party of India	1578	13	1591	ANAKAPALLE
14	DR. THUMMAPALA HARI SHANKAR	Independent	1567	9	1576	ANAKAPALLE
15	JUNNURI J SRINIVAS	Independent	1195	6	1201	ANAKAPALLE
16	APPALANAIDU TUMMAGUNTA	Independent	1055	7	1062	ANAKAPALLE

## Problem 12: Which parties won the most seats in State, and how many seats did each party win?

```
SELECT  
    p.Party, COUNT(cr.Constituency_ID) AS Seats_Won  
FROM  
    constituencywise_results cr  
        JOIN  
    partywise_results p ON cr.Party_ID = p.Party_ID  
        JOIN  
    statewise_results sr ON cr.Parliament_Constituency = sr.Parliament_Constituency  
        JOIN  
    states s ON sr.State_ID = s.State_ID  
WHERE  
    s.state = 'Punjab'  
GROUP BY p.Party  
ORDER BY Seats_Won DESC;
```

Results		
	Party	Seats_Won
1	Indian National Congress - INC	7
2	Aam Aadmi Party - AAAP	3
3	Independent - IND	2
4	Shiromani Akali Dal - SAD	1

# Problem 13: What is the total number of seats won by each party alliance (NDA, I.N.D.I.A, and OTHER) in each state for the India Elections 2024

```

SELECT
    s.State AS State_Name,
    SUM(CASE WHEN p.party_alliance = 'NDA' THEN 1 ELSE 0 END) AS NDA_Seats_Won,
    SUM(CASE WHEN p.party_alliance = 'I.N.D.I.A' THEN 1 ELSE 0 END) AS INDIA_Seats_Won,
    SUM(CASE WHEN p.party_alliance = 'OTHER' THEN 1 ELSE 0 END) AS OTHER_Seats_Won
FROM
    constituencywise_results cr
JOIN
    partywise_results p ON cr.Party_ID = p.Party_ID
JOIN
    statewise_results sr ON cr.Parliament_Constituency = sr.Parliament_Constituency
JOIN
    states s ON sr.State_ID = s.State_ID
WHERE
    p.party_alliance IN ('NDA', 'I.N.D.I.A', 'OTHER')
GROUP BY
    s.State
ORDER BY
    s.State;

```

	State_Name	NDA_Seats_Won	INDIA_Seats_Won	OTHER_Seats_Won
1	Andaman & Nicobar Islands	1	0	0
2	Andhra Pradesh	21	0	4
3	Arunachal Pradesh	2	0	0
4	Assam	10	3	1
5	Bihar	30	9	1
6	Chandigarh	0	1	0
7	Chhattisgarh	10	1	0
8	Dadra & Nagar Haveli and Daman & Diu	1	0	1
9	Delhi	7	0	0
10	Goa	1	1	0
11	Gujarat	25	1	0
12	Haryana	5	5	0
13	Himachal Pradesh	4	0	0
14	Jammu and Kashmir	2	2	1
15	Jharkhand	9	5	0
16	Karnataka	19	9	0
17	Kerala	1	19	0
18	Ladakh	0	0	1
19	Lakshadweep	0	1	0
20	Madhya Pradesh	29	0	0
21	Maharashtra	17	30	1
22	Manipur	0	2	0
23	Meghalaya	0	1	1
24	Mizoram	0	0	1
25	Nagaland	0	1	0
26	Odisha	20	1	0
27	Puducherry	0	1	0
28	Punjab	0	10	3
29	Rajasthan	14	11	0
30	Sikkim	1	0	0
31	Tamil Nadu	0	39	0
32	Telangana	8	8	1
33	Tripura	2	0	0
34	Uttar Pradesh	36	43	1
35	Uttarakhand	5	0	0
36	West Bengal	12	30	0

# Problem 14: Which candidate received the highest number of EVM votes in each constituency (Top 10)?

```
SELECT
    cr.Constituency_Name,
    cd.Constituency_ID,
    cd.Candidate,
    cd.EVM_Votes
FROM
    constituencywise_details cd
JOIN
    constituencywise_results cr ON cd.Constituency_ID = cr.Constituency_ID
WHERE
    cd.EVM_Votes = (
        SELECT MAX(cd1.EVM_Votes)
        FROM constituencywise_details cd1
        WHERE cd1.Constituency_ID = cd.Constituency_ID
    )
ORDER BY
    cd.EVM_Votes DESC
LIMIT 10;
```

	Constituency_Name	Constituency_ID	Candidate	EVM_Votes
1	DHUBRI	S032	RAKIBUL HUSSAIN	1468549
2	INDORE	S1226	SHANKAR LALWANI	1223746
3	VIDISHA	S1218	SHIVRAJ SINGH CHOUHAN	1111556
4	BANGALORERURAL	S1023	DR C N MANJUNATH	1075553
5	RAIPUR	S268	BRIJMOHAN AGRAWAL	1047447
6	DIAMONDHARBOUR	S2521	ABHISHEK BANERJEE	1043493
7	NAVSARI	S0625	C R PATIL	1023366
8	GANDHINAGAR	S066	AMIT SHAH	999984
9	BANGALORENORTH	S1024	SHOBHA KARANDLAJE	982805
10	MALKAJGIRI	S297	EATALA RAJENDER	980712

# Problem 15: Which candidate won and which candidate was the runner-up in each constituency of State for the 2024 elections?

```

SELECT
    cr.Constituency_Name,
    cd.Constituency_ID,
    cd.Candidate,
    cd.EVM_Votes
FROM
    constituencywise_details cd
JOIN
    constituencywise_results cr ON cd.Constituency_ID = cr.Constituency_ID
WHERE
    cd.EVM_Votes = (
        SELECT MAX(cd1.EVM_Votes)
        FROM constituencywise_details cd1
        WHERE cd1.Constituency_ID = cd.Constituency_ID
    )
ORDER BY
    cd.EVM_Votes DESC
LIMIT 10;

```

	Constituency_Name	Constituency_ID	Candidate	EVM_Votes
1	DHUBRI	S032	RAKIBUL HUSSAIN	1468549
2	INDORE	S1226	SHANKAR LALWANI	1223746
3	VIDISHA	S1218	SHIVRAJ SINGH CHOUHAN	1111556
4	BANGALORERURAL	S1023	DR C N MANJUNATH	1075553
5	RAIPUR	S268	BRIJMOHAN AGRAWAL	1047447
6	DIAMONDHARBOUR	S2521	ABHISHEK BANERJEE	1043493
7	NAVSARI	S0625	C R PATIL	1023366
8	GANDHINAGAR	S066	AMIT SHAH	999984
9	BANGALORENORTH	S1024	SHOBHA KARANDLAJE	982805
10	MALKAJGIRI	S297	EATALA RAJENDER	980712

Problem 16: What are the total number of seats, candidates, parties, votes (including EVM and postal), and the breakdown of EVM and postal votes for the state of Maharashtra?

```
SELECT
    COUNT(DISTINCT cr.Constituency_ID) AS Total_Seats,
    COUNT(DISTINCT cd.Candidate) AS Total_Candidates,
    COUNT(DISTINCT p.Party) AS Total_Parties,
    SUM(cd.EVM_Votes + cd.Postal_Votes) AS Total_Votes,
    SUM(cd.EVM_Votes) AS Total_EVM_Votes,
    SUM(cd.Postal_Votes) AS Total_Postal_Votes
FROM
    constituencywise_results cr
    JOIN
    constituencywise_details cd ON cr.Constituency_ID = cd.Constituency_ID
    JOIN
    statewise_results sr ON cr.Parliament_Constituency = sr.Parliament_Constituency
    JOIN
    states s ON sr.State_ID = s.State_ID
    JOIN
    partywise_results p ON cr.Party_ID = p.Party_ID
WHERE
    s.State = 'Maharashtra';
```

	Total_Seats	Total_Candidates	Total_Parties	Total_Votes	Total_EVM_Votes	Total_Postal_Votes
1	48	1114	7	57179133	56969710	209423

# CONCLUSION AND INSIGHTS



## Key Findings:

- Total Seats Analysis: The dataset provided detailed insights into the total seats available for elections across states.
- Alliance Performance: The NDA alliance secured the highest number of seats overall, while the I.N.D.I.A alliance demonstrated strong regional performance.
- Winning Margins: Close contests with narrow victory margins were observed in specific states and constituencies.
- Voting Trends: The distribution of EVM votes versus postal votes highlighted varying voting methods across constituencies.

## State-Level Insights:

- Maharashtra emerged as a key state, with detailed analysis revealing the number of seats, candidates, parties, and vote breakdown by EVM and postal methods.
- The most seats in each state were dominated by leading alliances or standout parties.

## Broader Implications:

- The analysis showcases the power of SQL in extracting meaningful insights from election data, enabling informed discussions about voter behavior and political trends.

# THANK YOU!

Thank you for your time and attention! I hope  
this project provided valuable insights into the  
Indian Election Results 2024.

Feel free to share your thoughts or questions.  
Looking forward to your feedback!



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