#### **INDIA GENERAL ELECTION RESULT ANALYSIS - 2024**

#### **OVERVIEW**

The objective of the India General Election Result Analysis project is to leverage MySQL for o organizing and analyzing election data to identify trends and patterns. It aims to provide insights into p arty performance, voter turnout, constituency results, and victory margins, helping stakeholders under stand election dynamics and make data-driven decisions.

#### **DATASET USED**

#### **1.STATEWISE RESULTS**

The Statewise Results Table captures election results data for various states and constituencies.

Column Name	Data Type	Description
Constituency	TEXT	Name of the constituency where the election is held.
Const_No	INT	Unique identifier or number assigned to the constituency.
Parliament_Constituency	TEXT	Name of the parliamentary constituency to which the assembly constituency belongs.
Leading_Candidate	TEXT	Name of the candidate leading in the election for this constituency.
Trailing_Candidate	TEXT	Name of the candidate trailing in the election for this constituency.
Margin	INT	The vote difference between the leading and trailing candidates.
Status	TEXT	Election status (e.g., "uncontested", "result declared").
State_ID	TEXT	Unique identifier for the state
State	TEXT	Full name of the state where the election is held

#### 2. Constituency Results

The table capturing election results at the constituency level with the given columns.

Column Name	Data Type	Description
S_No	INT	Serial number for identifying rows uniquely.

Parliament_Constituency	TEXT	Name of the parliamentary constituency to which the assembly constituency belongs.	
Constituency_Name	TEXT	Name of the constituency where the election is held.	
Winning_Candidate	TEXT	Name of the candidate who won the election in this constituency.	
Total_Votes	INT	Total votes polled in the constituency.	
Margin	INT	Vote difference between the winning candidate and the second-place candidate.	
Constituency_ID	TEXT	Unique identifier for the constituency	
Party_ID	INT	Identifier for the party to which the winning candidate belongs.	

### 3.Candidate Vote Details

The table capturing detailed voting data for candidates in an election.

Column Name	Data Type	Description		
Candidate	TEXT	Name of the candidate contesting in the election.		
Party	TEXT	Name of the political party the candidate represents.		
EVM_Votes	INT	Number of votes cast electronically (via EVMs) for the candidate.		
Postal_Votes	INT	Number of votes cast through postal ballots for the candidate.		
Total_Votes	INT	Total number of votes received by the candidate (sum of EVM_Votes and Postal_Votes).		
Vote_Percent	DOUBLE	Percentage of total votes received by the candidate in the constituency.		

Constituency_ID	TEXT	Unique identifier for the constituency the candidate is contesting.
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### 4. Party Results

The table capturing election results by political parties.

Column Name	Data Type Description	
Party	TEXT	Name of the political party.
Won	INT	Number of seats won by the party in the election.
Party_ID	INT	Unique identifier for the political party.
Party_Alliance	VARCHAR(50)	Name of the alliance.

#### 5. State Details

The table that captures information about states in an election.

Column Name	Data Type	Description
State_ID	TEXT	Unique identifier for each state
State	TEXT	Full name of the state

#### **QUERIES**

#### 1.Total Seats:

select distinct count(constituency\_id) from constituencywiseresults;

#### 2. What is the total number of seats available for elections in each state?

select count(c.constituency\_id) as Total\_Seats,sr.state as State from constituency as c join stateresults as sr on c.parliament\_constituency = sr.parliament\_constituency group by sr.state\_id,sr.state order by sr.state asc;

Total_Seats	State		
1	Andaman & Nicobar Islands	Total_Seats	State
25	Andhra Pradesh	4	Himachal Pradesh
2	Arunachal Pradesh	5	Jammu and Kashmir
14	Assam	14	Jharkhand
40	Bihar	28	Karnataka
1	Chandigarh	20	Kerala
11	Chhattisgarh	1	Ladakh
2	Dadra & Nagar Haveli and Daman &	1	Lakshadweep
7	Delhi	29	Madhya Pradesh
2	Goa	48	Maharashtra
26	Gujarat	2	Manipur
10	Haryana	2	Meghalaya
4	Himachal Pradesh	1	Mizoram
c	Ismmu and Kachmir	1	Nagaland

Total_Seats	State
1	Mizoram
1	Nagaland
21	Odisha
1	Puducherry
13	Punjab
25	Rajasthan
1	Sikkim
39	Tamil Nadu
17	Telangana
2	Tripura
80	Uttar Pradesh
5	Uttarakhand
42	West Bengal

#### 3. Update Party\_Alliance Column on the Table Parties

alter table parties add column party\_alliance varchar(50);

#### "I.N.D.I.A" Parties

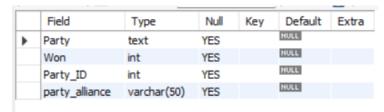
```
update parties set party_alliance = "I_N_D_I_A"
where party in (
'Indian National Congress - INC',
'Aam Aadmi Party - AAAP',
'All India Trinamool Congress - AITC',
'Bharat Adivasi Party - BHRTADVSIP',
'Communist Party of India (Marxist) - CPI(M)',
'Communist Party of India (Marxist-Leninist) (Liberation) - 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" Parties

```
update parties 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');
```

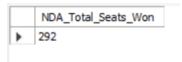
#### "Other" Parties

update parties set party\_alliance = "Other" where party\_alliance is null; desc Parties;



#### 4. Total Seats Won by NDA Allianz

select sum(won) as NDA\_Total\_Seats\_Won from parties where party\_alliance = "NDA";



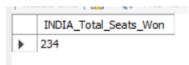
#### 5. Seats Won by NDA Allianz Parties

select party, won as seats\_won from parties where party\_alliance = "NDA" order by won desc;

	party	seats_won
•	Bharatiya Janata Party - BJP	240
	Telugu Desam - TDP	16
	Janata Dal (United) - JD(U)	12
	Shiv Sena - SHS	7
	Lok Janshakti Party(Ram Vilas) - LJPRV	5
	Janasena Party - JnP	2
	Janata Dal (Secular) - JD(S)	2
	Rashtriya Lok Dal - RLD	2
	AJSU Party - AJSUP	1
	Apna Dal (Soneylal) - ADAL	1
	Asom Gana Parishad - AGP	1
	Hindustani Awam Morcha (Secular)	1
	Nationalist Congress Party - NCP	1
	Sikkim Krantikari Morcha - SKM	1

### 6.Total Seats Won by I.N.D.I.A Allianz

select sum(won) as INDIA\_Total\_Seats\_Won from parties where party\_alliance = "I\_N\_D\_I\_A";



#### 7. Seats Won by I.N.D.I.A Allianz Parties

select party,won as seats\_won from parties where party\_alliance = "I\_N\_D\_I\_A" order by won desc;

	party	seats_won
١	Indian National Congress - INC	99
	Samajwadi Party - SP	37
	All India Trinamool Congress - AITC	29
	Dravida Munnetra Kazhagam - DMK	22
	Shiv Sena (Uddhav Balasaheb Thackrey) - SHSUBT	9
	Nationalist Congress Party Sharadchandra Paw	8
	Communist Party of India (Marxist) - CPI(M)	4
	Rashtriya Janata Dal - RJD	4
	Aam Aadmi Party - AAAP	3
	Indian Union Muslim League - IUML	3
	Jharkhand Mukti Morcha - JMM	3
	Communist Party of India (Marxist-Leninist) (Li	2
	Communist Party of India - CPI	2
	Jammu & Kashmir National Conference - JKN	2
	Viduthalai Chiruthaigal Katchi - VCK	2
	Kerala Congress - KEC	1
	Marumalarchi Dravida Munnetra Kazhagam - MD	1
	Rashtriya Loktantrik Party - RLTP	1
	Revolutionary Socialist Party - RSP	1
	Bharat Adivasi Party - BHRTADVSIP	1

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

select distinct c.winning\_candidate,c.total\_votes,c.margin,p.party,p.party\_alliance,sr.state from constituency as c join parties as p on c.party\_id = p.party\_id join stateresults as sr on c.parliament\_constituency = sr.parliament\_constituency where sr.state = " Tamil Nadu" and c.constituency\_name = "THANJAVUR";

_						
	winning_candidate	total_votes	margin	party	party_alliance	state
•	MURASOLI S	502245	319583	Dravida Munnetra Kazhagam - DMK	I_N_D_I_A	Tamil Nadu

select distinct c.winning\_candidate,c.total\_votes,c.margin,p.party,p.party\_alliance,sr.state

from constituency as c

join parties as p

on c.party\_id = p.party\_id

join stateresults as sr

on c.parliament\_constituency = sr.parliament\_constituency

where sr.state = " Gujarat" and c.constituency\_name = "Amreli";

	winning_candidate	total_votes	margin	party	party_alliance	state
•	BHARATBHAI MANUBHAI SUTARIYA	580872	321068	Bharatiya Janata Party - BJP	NDA	Gujarat

## 9. 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.constituency\_id,

c.constituency\_name

from constituencydetails as cd

join constituency as c

on cd.constituency\_id = c.constituency\_id

where c.constituency\_name = "AGRA";

	candidate	party	evm_votes	postal_votes	constituency_id	constituency_name
•	PROF S P SINGH BAGHEL	Bharatiya Janata Party	597061	2336	S2418	AGRA
	SURESH CHAND KARDAM	Samajwadi Party	326644	1459	S2418	AGRA
	POOJA AMROHI	Bahujan Samaj Party	175810	664	S2418	AGRA
	ARAM SINGH	Peoples Party of India	4130	13	S2418	AGRA
	KULDEEP KUMAR	Bharatiya Kisan Parivartan Party	1997	5	S2418	AGRA
	MAHENDRA SINGH	Independent	1779	6	S2418	AGRA
	POOJA	Independent	1363	7	S2418	AGRA
	SARVESH KUMAR	Bharatiya Majdoor Janta Party	1123	10	S2418	AGRA
	AMBEDAKARI HASANURAM AMBEDAKARI	Independent	927	6	S2418	AGRA
	JITENDRA GAUTAM	Lokpriya Rashtrawadi Party	780	2	S2418	AGRA
	CHANDRA PAL	Adarsh Samaj Party	640	3	S2418	AGRA
	NOTA	None of the Above	6929	85	S2418	AGRA

## 10. Which parties won the most seats in a State, and how many seats did each party win?

select count(c.party\_id) as Seats\_Won,c.party\_id,p.party,sr.state from constituency as c join stateresults as sr on c.parliament\_constituency = sr.parliament\_constituency join parties as p on c.party\_id = p.party\_id group by c.party\_id,sr.state,p.party having sr.state = " Tamil Nadu"

order by count(c.party\_id) desc;

	Seats_Won	party_id	party	state
٠	22	582	Dravida Munnetra Kazhagam - DMK	Tamil Nadu
	9	742	Indian National Congress - INC	Tamil Nadu
	2	547 Communist Party of India (Marxist) - CPI(M)		
	2	544	Communist Party of India - CPI	Tamil Nadu
	2	1847	Viduthalai Chiruthaigal Katchi - VCK	Tamil Nadu
	1	1046	Marumalarchi Dravida Munnetra Kazhagam - MD	Tamil Nadu
	1	772	Indian Union Muslim League - IUML	Tamil Nadu

select count(c.party\_id) as Seats\_Won,c.party\_id,p.party,sr.state from constituency as c join stateresults as sr on c.parliament\_constituency = sr.parliament\_constituency join parties as p on c.party\_id = p.party\_id group by c.party\_id,sr.state,p.party having sr.state = "Andhra Pradesh" order by count(c.party\_id) desc;

	Seats_Won	party_id	party	state	
١	16	1745	Telugu Desam - TDP	Andhra Pradesh	
	4	1888	Yuvajana Sramika Rythu Congress Party - YSRCP	Andhra Pradesh	
	3	369	Bharatiya Janata Party - BJP	Andhra Pradesh	
	2	860	Janasena Party - JnP	Andhra Pradesh	

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

select sum(won) as Total\_seats,party\_alliance from parties group by party\_alliance;

-						
	Total_seats	party_alliance				
•	234	I_N_D_I_A				
	17	Other				
	292	NDA				

# 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 ?

select count(c.party\_id) as Total\_Seats,p.party\_alliance,sr.state from constituency as c

join parties as p

on c.party\_id = p.party\_id

join stateresults as sr

on c.parliament\_constituency = sr.parliament\_constituency

group by p.party\_alliance,sr.state

order by sr.state asc;

	Total_Seats	party_alliance	state
•	4	Other	Andhra Pradesh
	1	Other	Assam
	1	Other	Bihar
	1	Other	Dadra & Nagar Haveli and Daman &
	1	Other	Jammu and Kashmir
	1	Other	Ladakh
	1	Other	Maharashtra
	1	Other	Meghalaya
	1	Other	Mizoram
	3	Other	Punjab
	1	Other	Telangana
	1	Other	Uttar Pradesh

	Total_Seats	party_alliance	state		Total_Seats	party_alliance	state
•	3	I_N_D_I_A	Assam	•	1	NDA	Andaman & Nicobar Islands
	9	I_N_D_I_A	Bihar		21	NDA	Andhra Pradesh
	1	I_N_D_I_A	Chandigarh		2	NDA	Arunachal Pradesh
	1	I_N_D_I_A	Chhattisgarh		10	NDA	Assam
	1	INDIA	Goa		30	NDA	Bihar
	1	I_N_D_I_A	Gujarat		10	NDA	Chhattisgarh
	5	I_N_D_I_A	Haryana		1	NDA	Dadra & Nagar Haveli and Daman &
	2	INDIA	Jammu and Kashmir		7	NDA	Delhi
	5	I_N_D_I_A	Jharkhand		1	NDA	Goa
	9	INDIA	Karnataka		25	NDA	Gujarat
	19	INDIA	Kerala		5	NDA	Haryana
	1	I_N_D_I_A	Lakshadweep		4	NDA	Himachal Pradesh
	30	I_N_D_I_A	Maharashtra		2	NDA	Jammu and Kashmir
	2	I NOTE OF THE OWNER OF	Manipur		9	NDA	Jharkhand
		I_N_D_I_A			19	NDA	Karnataka
	1	I_N_D_I_A	Meghalaya		1	NDA	Kerala
	1	I_N_D_I_A	Nagaland		29	NDA	Madhya Pradesh
	1	I_N_D_I_A	Odisha		17	NDA	Maharashtra
	1	I_N_D_I_A	Puducherry		20	NDA	Odisha
	10	I_N_D_I_A	Punjab		14	NDA	Rajasthan
	11	I_N_D_I_A	Rajasthan		1	NDA	Sikkim
	39	I_N_D_I_A	Tamil Nadu		8	NDA	Telangana
	8	I_N_D_I_A	Telangana		2	NDA	Tripura
	43	I_N_D_I_A	Uttar Pradesh		36	NDA	Uttar Pradesh
	30	I_N_D_I_A	West Bengal		5	NDA	Uttarakhand

# 13. Which candidate received the highest number of EVM votes in each constituency (Top 10)?

select c.constituency\_id,c.constituency\_name,cd.candidate,cd.evm\_votes

from candidatedetails as cd

join constituency as c

on cd.constituency\_id = c.constituency\_id

order by cd.evm\_votes desc

limit 10;

	constituency_id	constituency_name	candidate	evm_votes
•	S032	DHUBRI	RAKIBUL HUSSAIN	1468549
S1226 INDORE		SHANKAR LALWANI	1223746	
	S1218	VIDISHA	SHIVRAJ SINGH CHOUHAN	1111556
	S1023	BANGALORERURAL	DR C N MANJUNATH	1075553
	S268	RAIPUR	BRIJMOHAN AGRAWAL	1047447
	S2521	DIAMONDHARBOUR	ABHISHEK BANERJEE	1043493
	S0625	NAVSARI	C R PATIL	1023366
	S066	GANDHINAGAR	AMIT SHAH	999984
	S1024	BANGALORENORTH	SHOBHA KARANDLAJE	982805
	S297	MALKAJGIRI	EATALA RAJENDER	980712