

INDIA GENERAL ELECTION RESULT ANALYSIS - 2024

OVERVIEW

The objective of the India General Election Result Analysis project is to leverage MySQL for organizing and analyzing election data to identify trends and patterns. It aims to provide insights into party performance, voter turnout, constituency results, and victory margins, helping stakeholders understand 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;
```

```
11  -- TOTAL SEATS
12 • select distinct count(constituency_id) as Total_Seats from constituency;
```

Total_Seats
543

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
25	Andhra Pradesh
2	Arunachal Pradesh
14	Assam
40	Bihar
1	Chandigarh
11	Chhattisgarh
2	Dadra & Nagar Haveli and Daman & Diu
7	Delhi
2	Goa
26	Gujarat
10	Haryana
4	Himachal Pradesh
5	Jammu and Kashmir
4	Himachal Pradesh
5	Jammu and Kashmir
14	Jharkhand
28	Karnataka
20	Kerala
1	Ladakh
1	Lakshadweep
29	Madhya Pradesh
48	Maharashtra
2	Manipur
2	Meghalaya
1	Mizoram
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 - AAP',
'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;
```

	Field	Type	Null	Key	Default	Extra
►	Party	text	YES		NULL	
	Won	int	YES		NULL	
	Party_ID	int	YES		NULL	
	party_alliance	varchar(50)	YES		NULL	

4.Total Seats Won by NDA Allianz

```
select sum(won) as NDA_Total_Seats_Won from parties where party_alliance = "NDA";
```

	NDA_Total_Seats_Won
►	292

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";`

	INDIA_Total_Seats_Won
▶	234

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
▶	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 - AAP	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
▶	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)	Tamil Nadu
	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
▶	16	1745	Telugu Desam - TDP	Andhra Pradesh
	4	1888	Yuva Jana 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	I_N_D_I_A	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	I_N_D_I_A	Jammu and Kashmir		7	NDA	Delhi
	5	I_N_D_I_A	Jharkhand		1	NDA	Goa
	9	I_N_D_I_A	Karnataka		25	NDA	Gujarat
	19	I_N_D_I_A	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_N_D_I_A	Manipur		9	NDA	Jharkhand
	1	I_N_D_I_A	Meghalaya		19	NDA	Karnataka
	1	I_N_D_I_A	Nagaland		1	NDA	Kerala
	1	I_N_D_I_A	Odisha		29	NDA	Madhya Pradesh
	1	I_N_D_I_A	Puducherry		17	NDA	Maharashtra
	10	I_N_D_I_A	Punjab		20	NDA	Odisha
	11	I_N_D_I_A	Rajasthan		14	NDA	Rajasthan
	39	I_N_D_I_A	Tamil Nadu		1	NDA	Sikkim
	8	I_N_D_I_A	Telangana		8	NDA	Telangana
	43	I_N_D_I_A	Uttar Pradesh		2	NDA	Tripura
	30	I_N_D_I_A	West Bengal		36	NDA	Uttar Pradesh
					5	NDA	Uttarakhand
					12	NDA	West Bengal

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 candatedetails 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