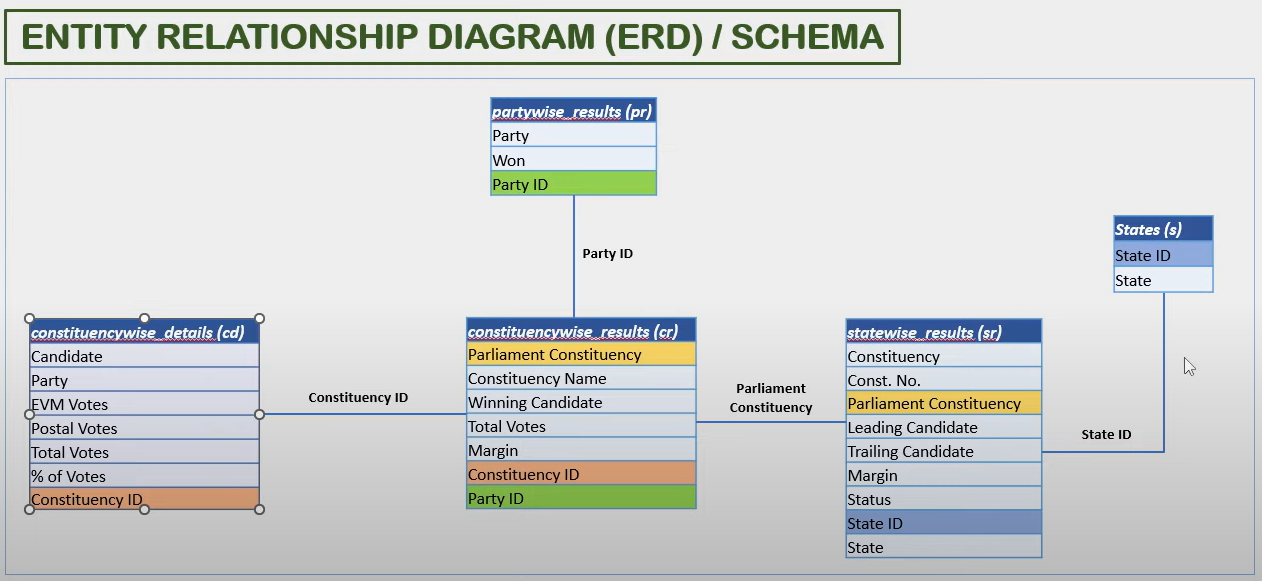
PROBLEM STATEMENT

* Total Seats:
* What are the total number of seats available for elections in each state
* Total seats won by NDA Alliance
* Seats won by NDA Alliance Parties
* Total seats won by I.N.D.I.A Alliance Parties
* Seats won by I.N.D.I.A Alliance parties
* Add new column field in table partywise\_results to get the Party Allianz as NDA, I.N.D.I.A and OTHER
* Which party alliance(NDA, I.N.D.I.A, or OTHER) won the most seats across all states?
* Winning candidate’s name, their party name, total votes, and the margin of victory for a specific state and constituency?
* What is the distribution of EVM votes vs postal votes for candidates in a specific constituency?
* Which parties won the most seats in s state, and how many seats did each party win?
* 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
* Which candidate won and which candidate was the runner-up in each constituency of State for the 2024 elections?
* For the state of Maharashtra, what are the total number of seats, total number of candidates, total number of parties, total votes(including EVM and postal), and the breakdown of EVM and postal votes?



**SQL QUERIES**

**To View all the datasets**

SELECT \* FROM constituencywise\_details

SELECT \* FROM constituencywise\_results

SELECT \* FROM partywise\_results

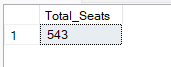
SELECT \* FROM statewise\_results

SELECT \* FROM states

1. **Total Seats:**

SELECT DISTINCT COUNT(Parliament\_Constituency) AS Total\_Seats

FROM constituencywise\_results



1. **What are the total number of seats available for elections in each state**

SELECT

s.state AS State\_Name,

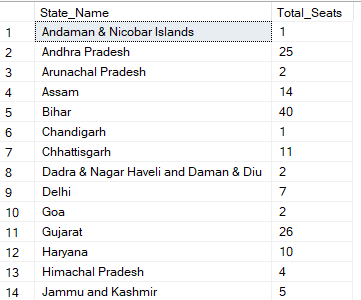
COUNT(cr.parliament\_constituency) AS Total\_Seats

FROM constituencywise\_results cr

INNER JOIN statewise\_results sr ON cr.Parliament\_Constituency = sr.Parliament\_Constituency

INNER JOIN states s ON sr.State\_ID = s.State\_ID

GROUP BY s.state



1. **Total seats won by NDA Alliance**

SELECT

SUM(CASE

WHEN party IN (

'Bharatiya Janata Party - BJP',

'Telugu Desam - TDP',

'Janata Dal (United) - JD(U)',

'Shiv Sena - SHS',

'Lok Janshakti Party(Ram Vilas) - LJPRV',

'Nationalist Congress Party - NCP',

'Janata Dal (Secular) - JD(S)',

'AJSU Party - AJSUP',

'Apna Dal (Soneylal) - ADAL',

'Hindustani Awam Morcha (Secular) - HAMS',

'Janasena Party - JnP',

'Rashtriya Lok Dal - RLD',

'Sikkim Krantikari Morcha - SKM',

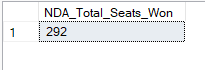
'Asom Gana Parishad - AGP'

) THEN [Won]

ELSE 0

END) AS NDA\_Total\_Seats\_Won

FROM partywise\_results



1. **Seats won by NDA Alliance Parties**

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',

'Lok Janshakti Party(Ram Vilas) - LJPRV',

'Nationalist Congress Party - NCP',

'Janata Dal (Secular) - JD(S)',

'AJSU Party - AJSUP',

'Apna Dal (Soneylal) - ADAL',

'Hindustani Awam Morcha (Secular) - HAMS',

'Janasena Party - JnP',

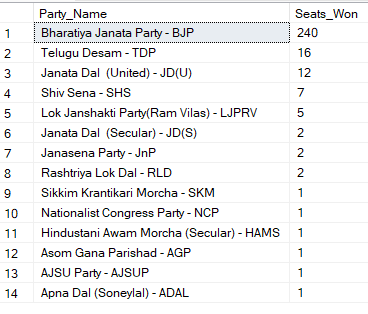
'Rashtriya Lok Dal - RLD',

'Sikkim Krantikari Morcha - SKM',

'Asom Gana Parishad - AGP'

)

ORDER BY Seats\_Won DESC



1. **Total seats won by I.N.D.I.A Alliance Parties**

SELECT

SUM(CASE

WHEN party IN(

'Indian National Congress - INC',

'Communist Party of India (Marxist) - CPI(M)',

'Aam Aadmi Party - AAAP',

'Samajwadi Party - SP',

'All India Trinamool Congress - AITC',

'Dravida Munnetra Kazhagam - DMK',

'Shiv Sena (Uddhav Balasaheb Thackrey) - SHSUBT',

'Kerala Congress - KEC',

'Communist Party of India (Marxist-Leninist) (Liberation) - CPI(ML)(L)',

'Communist Party of India - CPI',

'Indian Union Muslim League - IUML',

'Jammu & Kashmir National Conference - JKN',

'Jharkhand Mukti Morcha - JMM',

'Marumalarchi Dravida Munnetra Kazhagam - MDMK',

'Nationalist Congress Party Sharadchandra Pawar - NCPSP',

'Rashtriya Janata Dal - RJD',

'Revolutionary Socialist Party - RSP',

'Viduthalai Chiruthaigal Katchi - VCK',

'Rashtriya Loktantrik Party - RLTP',

'Bharat Adivasi Party - BHRTADVSIP'

) THEN [Won]

ELSE 0

END) AS INDIA\_Total\_Seats\_Won

FROM partywise\_results



1. **Seats won by I.N.D.I.A Alliance parties**

SELECT

party AS Party\_Name,

won AS Seats\_Won

FROM partywise\_results

WHERE party IN(

'Indian National Congress - INC',

'Communist Party of India (Marxist) - CPI(M)',

'Aam Aadmi Party - AAAP',

'Samajwadi Party - SP',

'All India Trinamool Congress - AITC',

'Dravida Munnetra Kazhagam - DMK',

'Shiv Sena (Uddhav Balasaheb Thackrey) - SHSUBT',

'Kerala Congress - KEC',

'Communist Party of India (Marxist-Leninist) (Liberation) - CPI(ML)(L)',

'Communist Party of India - CPI',

'Indian Union Muslim League - IUML',

'Jammu & Kashmir National Conference - JKN',

'Jharkhand Mukti Morcha - JMM',

'Marumalarchi Dravida Munnetra Kazhagam - MDMK',

'Nationalist Congress Party Sharadchandra Pawar - NCPSP',

'Rashtriya Janata Dal - RJD',

'Revolutionary Socialist Party - RSP',

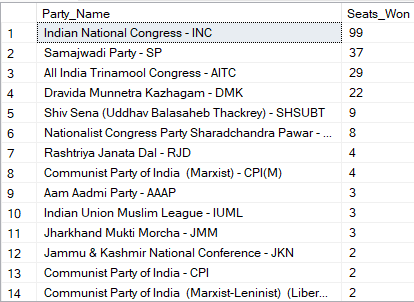
'Viduthalai Chiruthaigal Katchi - VCK',

'Rashtriya Loktantrik Party - RLTP',

'Bharat Adivasi Party - BHRTADVSIP'

)

ORDER BY Seats\_Won DESC



1. **Add new column field in table partywise\_results to get the Party Allianz as NDA, I.N.D.I.A and OTHER**

ALTER TABLE partywise\_results

ADD party\_alliance VARCHAR(50)

UPDATE partywise\_results

SET party\_alliance = 'I.N.D.I.A'

WHERE party IN(

'Indian National Congress - INC',

'Communist Party of India (Marxist) - CPI(M)',

'Aam Aadmi Party - AAAP',

'Samajwadi Party - SP',

'All India Trinamool Congress - AITC',

'Dravida Munnetra Kazhagam - DMK',

'Shiv Sena (Uddhav Balasaheb Thackrey) - SHSUBT',

'Kerala Congress - KEC',

'Communist Party of India (Marxist-Leninist) (Liberation) - CPI(ML)(L)',

'Communist Party of India - CPI',

'Indian Union Muslim League - IUML',

'Jammu & Kashmir National Conference - JKN',

'Jharkhand Mukti Morcha - JMM',

'Marumalarchi Dravida Munnetra Kazhagam - MDMK',

'Nationalist Congress Party Sharadchandra Pawar - NCPSP',

'Rashtriya Janata Dal - RJD',

'Revolutionary Socialist Party - RSP',

'Viduthalai Chiruthaigal Katchi - VCK',

'Rashtriya Loktantrik Party - RLTP',

'Bharat Adivasi Party - BHRTADVSIP'

);

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',

'Lok Janshakti Party(Ram Vilas) - LJPRV',

'Nationalist Congress Party - NCP',

'Janata Dal (Secular) - JD(S)',

'AJSU Party - AJSUP',

'Apna Dal (Soneylal) - ADAL',

'Hindustani Awam Morcha (Secular) - HAMS',

'Janasena Party - JnP',

'Rashtriya Lok Dal - RLD',

'Sikkim Krantikari Morcha - SKM',

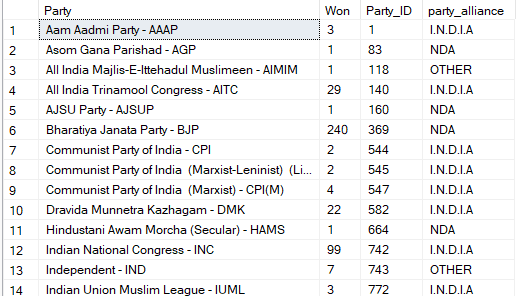
'Asom Gana Parishad - AGP'

);

UPDATE partywise\_results

SET party\_alliance = 'OTHER'

WHERE party\_alliance IS NULL;



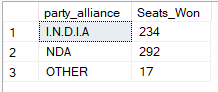
1. **Which party alliance(NDA, I.N.D.I.A, or OTHER) won the most seats across all states?**

SELECT party\_alliance,

SUM(won) AS Seats\_Won

FROM partywise\_results

GROUP BY party\_alliance



1. **Winning candidate’s name, their party name, total votes, and the margin of victory for a specific state and constituency?**

SELECT cr.Winning\_Candidate,

pr.party,

pr.party\_alliance,

cr.total\_votes,

cr.margin,

s.state,

cr.Constituency\_Name

FROM constituencywise\_results cr

INNER JOIN partywise\_results pr ON cr.party\_id = pr.Party\_ID

INNER JOIN statewise\_results sr ON cr.Parliament\_Constituency = sr.Parliament\_Constituency

INNER JOIN states s ON sr.State\_ID = s.State\_ID

WHERE s.State = 'Uttar Pradesh' AND cr.Constituency\_Name = 'GHAZIABAD'



1. **What is the distribution of EVM votes vs postal votes for candidates in a specific constituency?**

SELECT

cd.EVM\_Votes,

cd.Postal\_Votes,

Cd.Total\_Votes,

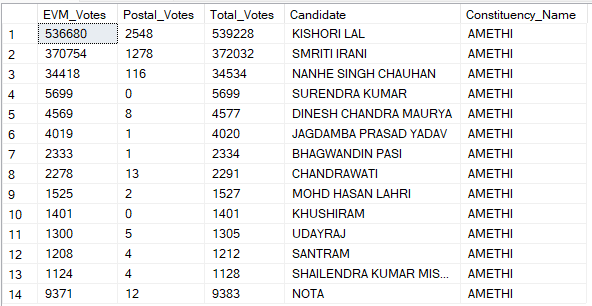
cd.Candidate,

cr.Constituency\_Name

FROM constituencywise\_results cr JOIN constituencywise\_details cd

ON cr.Constituency\_ID = cd.Constituency\_ID

WHERE cr.Constituency\_Name = 'AMETHI'



1. **Which parties won the most seats in s state, and how many seats did each party win?**

SELECT

pr.Party,

COUNT(cr.Constituency\_ID) AS Seats\_Won

FROM

constituencywise\_results cr

JOIN

partywise\_results pr ON cr.Party\_ID = pr.Party\_ID

JOIN

statewise\_results sr ON cr.Parliament\_Constituency = sr.Parliament\_Constituency

JOIN states s ON sr.State\_ID = s.State\_ID

WHERE

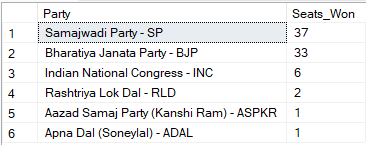
s.state = 'Uttar Pradesh'

GROUP BY

pr.Party

ORDER BY

Seats\_Won DESC;



1. **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

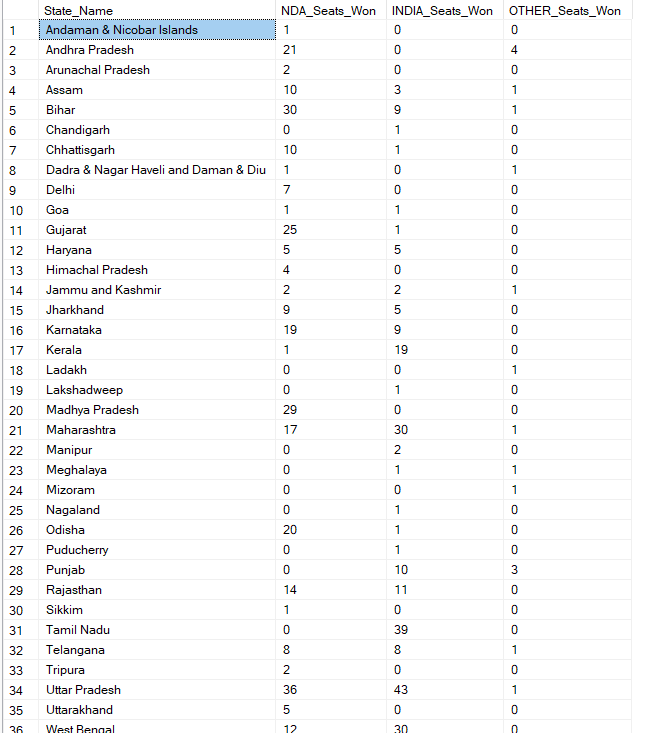
p.party\_alliance IN ('NDA', 'I.N.D.I.A', 'OTHER') -- Filter for NDA and INDIA alliances

GROUP BY

s.State

ORDER BY

s.State;



1. **Which candidate won and which candidate was the runner-up in each constituency of State for the 2024 elections?**

WITH RankedCandidates AS (

    SELECT

        cd.Constituency\_ID,

        cd.Candidate,

        cd.Party,

        cd.EVM\_Votes,

        cd.Postal\_Votes,

        cd.EVM\_Votes + cd.Postal\_Votes AS Total\_Votes,

        ROW\_NUMBER() OVER (PARTITION BY cd.Constituency\_ID ORDER BY cd.EVM\_Votes + cd.Postal\_Votes DESC) AS VoteRank

    FROM

        constituencywise\_details cd

    JOIN

        constituencywise\_results cr ON cd.Constituency\_ID = cr.Constituency\_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 = 'Maharashtra'

)

SELECT

    cr.Constituency\_Name,

    MAX(CASE WHEN rc.VoteRank = 1 THEN rc.Candidate END) AS Winning\_Candidate,

    MAX(CASE WHEN rc.VoteRank = 2 THEN rc.Candidate END) AS Runnerup\_Candidate

FROM

    RankedCandidates rc

JOIN

    constituencywise\_results cr ON rc.Constituency\_ID = cr.Constituency\_ID

GROUP BY

    cr.Constituency\_Name

ORDER BY

    cr.Constituency\_Name;



1. **For the state of Maharashtra, what are the total number of seats, total number of candidates, total number of parties, total votes(including EVM and postal), and the breakdown of EVM and postal votes?**

SELECT

COUNT(DISTINCT cr.Constituency\_ID) AS Total\_Seats,

COUNT(DISTINCT cd.Candidate) AS Total\_Candidates,

COUNT(DISTINCT pr.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 sr.Parliament\_Constituency = cr.Parliament\_Constituency

JOIN

partywise\_results pr ON cr.Party\_ID = pr.Party\_ID

JOIN

States s ON s.State\_ID = sr.State\_ID

WHERE

s.State = 'Maharashtra';

