Indian election result 2024 SQL project

--total seats

SELECT

DISTINCT COUNT (Parliament\_Constituency) AS Total\_Seats

FROM constituencywise\_results



--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

FROM

constituencywise\_results cr

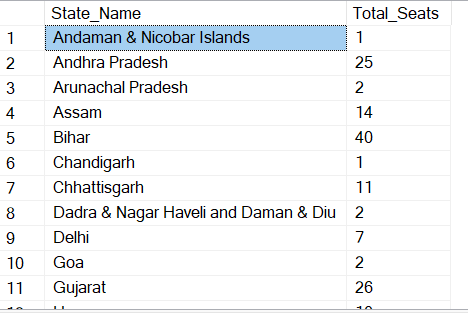
INNER JOIN

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



--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

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--Seats Won by NDA Allianz 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',

'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

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#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',

'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'

) THEN [Won]

ELSE 0

END) AS INDIA\_Total\_Seats\_Won

FROM

partywise\_results

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--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

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#

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;

Problem statement

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,

p.Party,

p.party\_alliance,

cr.Total\_Votes,

cr.Margin,

cr.Constituency\_Name,

s.State

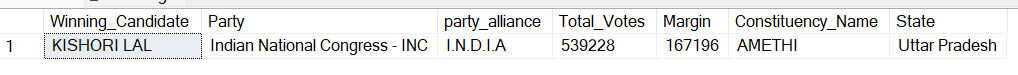
FROM constituencywise\_results cr

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 = 'Uttar Pradesh' AND cr.Constituency\_Name = 'AMETHI';



2--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 = 'MATHURA'

ORDER BY cd.Total\_Votes DESC;

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--Which parties won the most seats in s 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

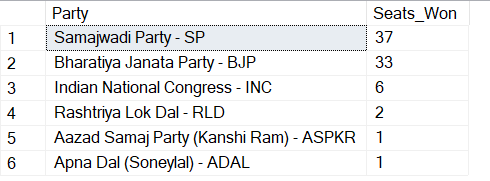
s.state = 'Uttar Pradesh'

GROUP BY

p.Party

ORDER BY

Seats\_Won DESC;



--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;

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

SELECT TOP 10

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;

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--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;

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--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 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';

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