**INDIA GENERAL ELECTIONS 2024 RESULT ANALYSIS**

Steps-

Step 1: loaded 5 tables- partywise\_results, constituencywise\_results, constituencywise\_details, statewise\_results, states into excel.

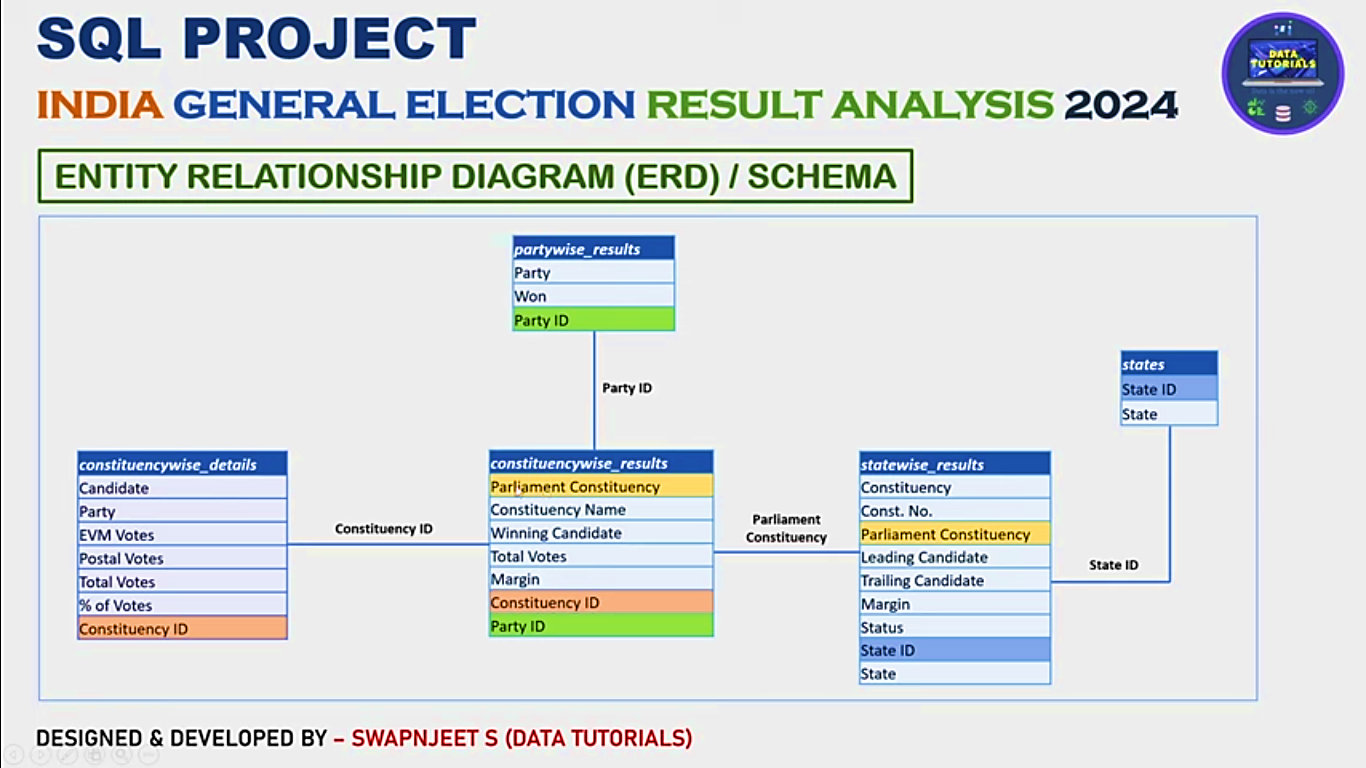
Step 2: checked datatype of each column and cleaned the data.

Step 3: created a database in MySQL.

Step 4: loaded all five tables into the database.

Step 5: created a sample schema of the tables and joins.

Step 6: question analysis in SQL.

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**Problem statement-**

1. Total seats.
2. What are total numbers of seats available for elections in each state.
3. Total seats won by nda alliances
4. Seats won by NDA alliance parties
5. Total seats wo by I.N.D.I.A Alliance
6. Seats won by I.N.D.I.A Alliance 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.A or OTHER) won the most seats across all states?

**Functions we are going to learn in this chapter-**

Distinct

Counts()

Sum()

Case()

Join()

On

Order by()

Group by()

Max()

Row number()

Select()

Partition by

Over()

With

Update

Alter table

Add

Set

Where

Then

Else

Having

Window()

Cte

Avg()

Rank

Date functions

Inner join

Left join

Multi join

Multi table joins

Schemas

If()

Caste()

**Questions**

**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\_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;

** **

**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



**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



**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

**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



**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);

**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',

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'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;

**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;

