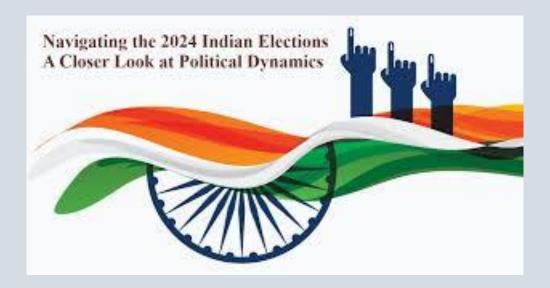
INDIA GENERAL ELECTIONS RESULT ANALYSIS 2024



Project Description:



This project leverages SQL Server to comprehensively analyze the 2024 Indian General Elections, focusing on data-driven insights and trends across various states and constituencies. The primary objective is to understand voter behavior, analyze candidate performance, examine regional trends, and identify patterns in voter demographics.

1. Total Seats

```
SELECT
DISTINCT COUNT (Parliament_Constituency) AS Total_Seats
FROM constituencywise_results
```

```
Total_Seats
1 543
```

2. 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;
```

| | State_Name | Total_Seats_Available |
|----|--------------------------------------|-----------------------|
| 1 | Andaman & Nicobar Islands | 1 |
| 2 | Andhra Pradesh | 25 |
| 3 | Arunachal Pradesh | 2 |
| 4 | Assam | 14 |
| 5 | Bihar | 40 |
| 6 | Chandigarh | 1 |
| 7 | Chhattisgarh | 11 |
| 8 | Dadra & Nagar Haveli and Daman & Diu | 2 |
| 9 | Delhi | 7 |
| 10 | Goa | 2 |
| 11 | Gujarat | 26 |
| 12 | Haryana | 10 |
| 13 | Himachal Pradesh | 4 |
| 14 | Jammu and Kashmir | 5 |
| 15 | Jharkhand | 14 |
| 16 | Karnataka | 28 |
| 17 | Kerala | 20 |
| 18 | Ladakh | 1 |

| 19 | Lakshadweep | 1 |
|----|----------------|----|
| 20 | Madhya Pradesh | 29 |
| 21 | Maharashtra | 48 |
| 22 | Manipur | 2 |
| 23 | Meghalaya | 2 |
| 24 | Mizoram | 1 |
| 25 | Nagaland | 1 |
| 26 | Odisha | 21 |
| 27 | Puducherry | 1 |
| 28 | Punjab | 13 |
| 29 | Rajasthan | 25 |
| 30 | Sikkim | 1 |
| 31 | Tamil Nadu | 39 |
| 32 | Telangana | 17 |
| 33 | Tripura | 2 |
| 34 | Uttar Pradesh | 80 |
| 35 | Uttarakhand | 5 |
| 36 | West Bengal | 42 |
| | | |

3. 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
NDA_Total_Seats_Won
      292
 1
```

4. 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
```

| | Party_Name | Seats_Won |
|----|--|-----------|
| 1 | Bharatiya Janata Party - BJP | 240 |
| 2 | Telugu Desam - TDP | 16 |
| 3 | Janata Dal (United) - JD(U) | 12 |
| 4 | Shiv Sena - SHS | 7 |
| 5 | Lok Janshakti Party(Ram Vilas) - LJPRV | 5 |
| 6 | Janata Dal (Secular) - JD(S) | 2 |
| 7 | Janasena Party - JnP | 2 |
| 8 | Rashtriya Lok Dal - RLD | 2 |
| 9 | Sikkim Krantikari Morcha - SKM | 1 |
| 10 | Nationalist Congress Party - NCP | 1 |
| 11 | Hindustani Awam Morcha (Secular) | 1 |
| 12 | Asom Gana Parishad - AGP | 1 |
| 13 | AJSU Party - AJSUP | 1 |
| 14 | Apna Dal (Soneylal) - ADAL | 1 |

5. 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
```

6. 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

| | Party_Name | Seats Won |
|----|--|-----------|
| 1 | Indian National Congress - INC | 99 |
| 2 | Samajwadi Party - SP | 37 |
| 3 | All India Trinamool Congress - AITC | 29 |
| 4 | Dravida Munnetra Kazhagam - DMK | 22 |
| 5 | Shiv Sena (Uddhav Balasaheb Thackrey) - SHSUBT | 9 |
| 6 | Nationalist Congress Party Sharadchandra Pawar | 8 |
| 7 | Rashtriya Janata Dal - RJD | 4 |
| 8 | Communist Party of India (Marxist) - CPI(M) | 4 |
| 9 | Aam Aadmi Party - AAAP | 3 |
| 10 | Indian Union Muslim League - IUML | 3 |
| 11 | Jharkhand Mukti Morcha - JMM | 3 |
| 12 | Jammu & Kashmir National Conference - JKN | 2 |
| 13 | Communist Party of India - CPI | 2 |
| 14 | Communist Party of India (Marxist-Leninist) (Liber | 2 |
| 15 | Viduthalai Chiruthaigal Katchi - VCK | 2 |
| 16 | Rashtriya Loktantrik Party - RLTP | 1 |
| 17 | Revolutionary Socialist Party - RSP | 1 |
| 18 | Bharat Adivasi Party - BHRTADVSIP | 1 |
| 19 | Kerala Congress - KEC | 1 |
| 20 | Marumalarchi Dravida Munnetra Kazhagam - MDMK | 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);
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;
```

8. 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;
```

| | party_alliance | Seats_Won |
|---|----------------|-----------|
| 1 | NDA | 292 |
| 2 | I.N.D.I.A | 234 |
| 3 | OTHER | 17 |
| - | 0111211 | |

9. 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'
```

```
Winning_Candidate Party party_alliance Total_Votes Margin Constituency_Name State

1 KISHORI LAL Indian National Congress - INC I.N.D.I.A 539228 167196 AMETHI Uttar Pradesh
```

10. 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;
```

| | Candidate | Party | EVM_Votes | Postal_Votes | Total_Votes | Constituency_Name |
|----|---------------------------------|-------------------------------|-----------|--------------|-------------|-------------------|
| 1 | HEMAMALINI DHARMENDRA DEOL | Bharatiya Janata Party | 507535 | 2529 | 510064 | MATHURA |
| 2 | MUKESH DHANGAR | Indian National Congress | 216043 | 614 | 216657 | MATHURA |
| 3 | SURESH SINGH | Bahujan Samaj Party | 188152 | 265 | 188417 | MATHURA |
| 4 | BHANU PRATAP SINGH | Independent | 15640 | 25 | 15665 | MATHURA |
| 5 | NOTA | None of the Above | 4527 | 36 | 4563 | MATHURA |
| 6 | RAKESH KUMAR | Independent | 4492 | 2 | 4494 | MATHURA |
| 7 | JAGDISH PRASAD KAUSHIK ADVOCATE | Rashtriya Samta Vikas Party | 3567 | 8 | 3575 | MATHURA |
| 8 | RAVI VERMA | Independent | 2724 | 0 | 2724 | MATHURA |
| 9 | SHIKHA SHARMA | Independent | 2246 | 5 | 2251 | MATHURA |
| 10 | KAMAL KANT SHARMA | Independent | 1491 | 12 | 1503 | MATHURA |
| 11 | YOGESH KUMAR TALAN | Independent | 1491 | 2 | 1493 | MATHURA |
| 12 | MONI FALHARI BAPU | Independent | 1322 | 4 | 1326 | MATHURA |
| 13 | KSHETRA PAL SINGH | Independent | 1206 | 5 | 1211 | MATHURA |
| 14 | DR. RASHMI YADAV | Independent | 1183 | 6 | 1189 | MATHURA |
| 15 | PRAVESHANAND PURI | Independent | 1081 | 4 | 1085 | MATHURA |
| 16 | SURESH CHANDRA VAGHEL | Rashtriya Shoshit Samaj Party | 822 | 7 | 829 | MATHURA |

11. 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 = 'Andhra Pradesh'
GROUP BY
    p.Party
ORDER BY
    Seats_Won DESC;
```

| | Party | Seats_Won |
|---|--|-----------|
| 1 | Samajwadi Party - SP | 37 |
| 2 | Bharatiya Janata Party - BJP | 33 |
| 3 | Indian National Congress - INC | 6 |
| 4 | Rashtriya Lok Dal - RLD | 2 |
| 5 | Aazad Samaj Party (Kanshi Ram) - ASPKR | 1 |
| 6 | Apna Dal (Soneylal) - ADAL | 1 |

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
    s.State AS State Name,
     UM(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;
```

| | State_Name | NDA_Seats_Won | INDIA_Seats_Won | OTHER_Seats_Wor |
|----|--------------------------------------|---------------|-----------------|-----------------|
| 1 | Andaman & Nicobar Islands | 1 | 0 | 0 |
| 2 | Andhra Pradesh | 21 | 0 | 4 |
| 3 | Arunachal Pradesh | 2 | 0 | 0 |
| 4 | Assam | 10 | 3 | 1 |
| 5 | Bihar | 30 | 9 | 1 |
| 6 | Chandigarh | 0 | 1 | 0 |
| 7 | Chhattisgarh | 10 | 1 | 0 |
| 8 | Dadra & Nagar Haveli and Daman & Diu | 1 | 0 | 1 |
| 9 | Delhi | 7 | 0 | 0 |
| 10 | Goa | 1 | 1 | 0 |
| 11 | Gujarat | 25 | 1 | 0 |
| 12 | Haryana | 5 | 5 | 0 |
| 13 | Himachal Pradesh | 4 | 0 | 0 |
| 14 | Jammu and Kashmir | 2 | 2 | 1 |
| 15 | Jharkhand | 9 | 5 | 0 |
| 16 | Karnataka | 19 | 9 | 0 |
| 17 | Kerala | 1 | 19 | 0 |
| 18 | Ladakh | 0 | 0 | 1 |
| 19 | Lakshadweep | 0 | 1 | 0 |
| 20 | Madhya Pradesh | 29 | 0 | 0 |
| 21 | Maharashtra | 17 | 30 | 1 |
| 22 | Manipur | 0 | 2 | 0 |
| 23 | Meghalaya | 0 | 1 | 1 |
| 24 | Mizoram | 0 | 0 | 1 |
| 25 | Nagaland | 0 | 1 | 0 |
| 26 | Odisha | 20 | 1 | 0 |
| 27 | Puducherry | 0 | 1 | 0 |
| 28 | Punjab | 0 | 10 | 3 |
| 29 | Rajasthan | 14 | 11 | 0 |
| 30 | Sikkim | 1 | 0 | 0 |
| 31 | Tamil Nadu | 0 | 39 | 0 |
| 32 | Telangana | 8 | 8 | 1 |
| 33 | Tripura | 2 | 0 | 0 |
| 34 | Uttar Pradesh | 36 | 43 | 1 |
| 35 | Uttarakhand | 5 | 0 | 0 |
| 36 | West Bengal | 12 | 30 | 0 |

13. 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;
```

| | Constituency_Name | Constituency_ID | Candidate | EVM_Votes |
|----|-------------------|-----------------|-----------------------|-----------|
| 1 | DHUBRI | 8032 | RAKIBUL HUSSAIN | 1468549 |
| 2 | INDORE | S1226 | SHANKAR LALWANI | 1223746 |
| 3 | VIDISHA | S1218 | SHIVRAJ SINGH CHOUHAN | 1111556 |
| 4 | BANGALORERURAL | \$1023 | DR C N MANJUNATH | 1075553 |
| 5 | RAIPUR | S268 | BRIJMOHAN AGRAWAL | 1047447 |
| 6 | DIAMONDHARBOUR | S2521 | ABHISHEK BANERJEE | 1043493 |
| 7 | NAVSARI | S0625 | CRPATIL | 1023366 |
| 8 | GANDHINAGAR | S066 | AMIT SHAH | 999984 |
| 9 | BANGALORENORTH | S1024 | SHOBHA KARANDLAJE | 982805 |
| 10 | MALKAJGIRI | S297 | EATALA RAJENDER | 980712 |

14. 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 = 'Uttarakhand'
```

```
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;
```

Query Explaination:

1. Common Table Expression (CTE) RankedCandidates

- WITH RankedCandidates AS: This section creates a Common Table Expression (CTE) named RankedCandidates, which is used to rank candidates based on their total votes within each constituency.
- **SELECT ... FROM constituencywise_details cd**: This part of the CTE retrieves data from the constituencywise_details table, including:
 - o cd.Constituency_ID: The ID of the constituency.
 - o cd.Candidate: The name of the candidate.
 - o cd.Party: The party of the candidate.
 - o cd.EVM_Votes: The number of EVM votes received by the candidate.
 - o cd.Postal_Votes: The number of postal votes received by the candidate.
 - o cd.EVM_Votes + cd.Postal_Votes AS Total_Votes: The total votes received by the candidate (sum of EVM and postal votes).
- ROW_NUMBER() OVER (PARTITION BY cd.Constituency_ID ORDER BY cd.EVM_Votes + cd.Postal Votes DESC) AS VoteRank:
 - o ROW_NUMBER() is a window function that assigns a unique rank to each candidate within their respective constituency.
 - PARTITION BY cd.Constituency_ID ensures that the ranking is done separately for each constituency.
 - ORDER BY cd.EVM_Votes + cd.Postal_Votes DESC orders candidates by their total votes in descending order, so the candidate with the most votes gets rank 1.
- **JOIN ... ON ...**: Joins are performed to combine information from related tables:
 - o constituencywise_results cr ON cd.Constituency_ID = cr.Constituency_ID
 - o statewise_results sr ON cr.Parliament_Constituency = sr.Parliament_Constituency
 - o states s ON sr.State_ID = s.State_ID
- WHERE s.State = 'Maharashtra': Filters the results to include only data related to the state of Maharashtra.

2. Main Query

- **SELECT ... FROM RankedCandidates rc**: The main query retrieves data from the RankedCandidates CTE to find the winning and runner-up candidates for each constituency.
- MAX(CASE WHEN rc.VoteRank = 1 THEN rc.Candidate END) AS Winning_Candidate:
 - CASE WHEN rc.VoteRank = 1 THEN rc.Candidate END selects the candidate with the highest vote rank (rank 1) for each constituency.
 - MAX(...) ensures that only one candidate is selected for each constituency.
- MAX(CASE WHEN rc.VoteRank = 2 THEN rc.Candidate END) AS Runnerup Candidate:

- CASE WHEN rc.VoteRank = 2 THEN rc.Candidate END selects the candidate with the second highest vote rank (rank 2) for each constituency.
- MAX(...) ensures that only one candidate is selected for each constituency.
- **JOIN ... ON ...**: Joins the RankedCandidates CTE with the constituencywise_results table to get the constituency names.
- **GROUP BY cr.Constituency_Name**: Groups the results by constituency name to ensure that the winning and runner-up candidates are determined for each constituency.
- **ORDER BY cr.Constituency_Name**: Orders the results alphabetically by constituency name for easier readability.

| | Constituency_Name | Winning_Candidate | Runnerup_Candidate |
|---|--------------------------|-------------------------|--------------------|
| 1 | ALMORA | AJAY TAMTA | PRADEEP TAMTA |
| 2 | GARHWAL | ANIL BALUNI | GANESH GODIYAL |
| 3 | HARIDWAR | TRIVENDRA SINGH RAWAT | VIRENDRA RAWAT |
| 4 | NAINITAL-UDHAMSINGHNAGAR | AJAY BHATT | PRAKASH JOSHI |
| 5 | TEHRIGARHWAL | MALA RAJYA LAKSHMI SHAH | JOT SINGH GUNSOLA |

15. For the state of Uttarakhand, 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 = 'Uttarakhand';
      Total_Seats
                 Total_Candidates
                                Total_Parties
                                            Total_Votes
                                                       Total_EVM_Votes
                                                                      Total_Postal_Votes
      5
                                            4836608
                                                       4764973
                                                                       71635
 1
```