Lokh Sabha Election Analysis

Contents

1. Total Seats Available

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

Output:

Total_Seats
543

2. Total Number of Seats available for each state

```sql
SELECT st.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 st
ON sr.State_ID = st.State_ID
GROUP BY st.State
ORDER BY st.State
```

Output:

	State_name	Total_Seats
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 Alliance

```sql
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
```

Output:

	NDA_Total_Seats_Won
1	292

4. Seats Won by NDA Alliance

```sql
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
```

Output:

	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	Janasena Party - JnP	2
7	Janata Dal (Secular) - JD(S)	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	AJSU Party - AJSUP	1
13	Apna Dal (Soneylal) - ADAL	1
14	Asom Gana Parishad - AGP	1

5. Total Seats Won by I.N.D.I.A Alliance

```sql
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
```

Output:

	INDIA_Total_Seats_Won
1	234

6. Seats Won by INDIA Alliance Parties

```sql
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
```

Output:

	Party_name	Seats_Won			
1	Indian National Congress - INC	99	11	Jharkhand Mukti Morcha - J...	3
2	Samajwadi Party - SP	37	12	Jammu & Kashmir National ...	2
3	All India Trinamool Congress ...	29	13	Communist Party of India (M...	2
4	Dravida Munnetra Kazhagam...	22	14	Communist Party of India - CPI	2
5	Shiv Sena (Uddhav Balasahe...	9	15	Viduthalai Chiruthaigal Katchi...	2
6	Nationalist Congress Party Sh...	8	16	Bharat Adivasi Party - BHRTA...	1
7	Rashtriya Janata Dal - RJD	4	17	Rashtriya Loktantrik Party - R...	1
8	Communist Party of India (M...	4	18	Revolutionary Socialist Party -...	1
9	Aam Aadmi Party - AAAP	3	19	Kerala Congress - KEC	1
10	Indian Union Muslim League...	3	20	Marumalarchi Dravida Munn...	1

7. Adding new column in partywise_results to get the Party Alliance

```sql
ALTER TABLE partywise_results
ADD party_alliance VARCHAR(50)


UPDATE partywise_results
SET party_alliance =
    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',
            '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'
        ) THEN 'I.N.D.I.A'


        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 'NDA'
        ELSE 'Others'
    END;
```

Output:

Party	Won	Party_ID	party_alliance
Marumalarchi Dravida Munnetra Kazhagam - MDMK	1	1046	I.N.D.I.A
Nationalist Congress Party Sharadchandra Pawar - ...	8	3620	I.N.D.I.A
Rashtriya Janata Dal - RJD	4	1420	I.N.D.I.A
Rashtriya Loktantrik Party - RLTP	1	2484	I.N.D.I.A
Revolutionary Socialist Party - RSP	1	1534	I.N.D.I.A
Samajwadi Party - SP	37	1680	I.N.D.I.A
Shiv Sena (Uddhav Balasaheb Thackrey) - SHSUBT	9	3369	I.N.D.I.A
Viduthalai Chiruthaigal Katchi - VCK	2	1847	I.N.D.I.A
Aazad Samaj Party (Kanshi Ram) - ASPKR	1	2989	Others
AJSU Party - AJSUP	1	160	NDA
All India Majlis-E-Ittehadul Muslimeen - AIMIM	1	118	Others
Apna Dal (Soneylal) - ADAL	1	2070	NDA
Asom Gana Parishad - AGP	1	83	NDA
Bharat Adivasi Party - BHRTADVSIP	1	3482	I.N.D.I.A
Bharatiya Janata Party - BJP	240	369	NDA
Hindustani Awam Morcha (Secular) - HAMS	1	664	NDA
Independent - IND	7	743	Others
Janasena Party - JnP	2	860	NDA
Janata Dal (Secular) - JD(S)	2	804	NDA
Janata Dal (United) - JD(U)	12	805	NDA
Lok Janshakti Party(Ram Vilas) - LJPRV	5	3165	NDA
Nationalist Congress Party - NCP	1	1142	NDA
Rashtriya Lok Dal - RLD	2	1458	NDA
Shiromani Akali Dal - SAD	1	1584	Others

8. **Which party alliance NDA, I.N.D.I.A or Other won the most seats across all states**

```
SELECT party_alliance AS Party_Alliance,
       SUM(won) AS Total_Seats
FROM partywise_results
GROUP BY party_alliance
ORDER BY Total_Seats DESC
```

Output:

	Party_Alliance	Total_Seats
1	NDA	292
2	I.N.D.I.A	234
3	Others	17

9. Winning candidates name, their party name, total votes and the margin of victory for a specific state and consistency

```sql
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'
```

Output:

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

```sql
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
```

Output:

	Party	Seats_Won
1	Telugu Desam - TDP	16
2	Yuvajana Sramika Rythu Congress Party - YSRCP	4
3	Bharatiya Janata Party - BJP	3
4	Janasena Party - JnP	2

11. 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

```sql
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
GROUP BY
    s.State
ORDER BY
    s.State
```

Output:

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

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

```sql
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;
```

Output:

	Constituency_Name	Winning_Candidate	Runnerup_Candidate
1	AHMEDNAGAR	NILESH DNYANDEV LANKE	DR. SUJAY RADHAKRISHNA VIKHEPATIL
2	AKOLA	ANUP SANJAY DHOTRE	ABHAY KASHINATH PATIL
3	AMRAVATI	BALWANT BASWANT WAN...	NAVNEET RAVI RANA
4	AURANGABAD	BHUMARE SANDIPANRA...	IMTIAZ JALEEL SYED
5	BARAMATI	SUPRIYA SULE	SUNETRA AJITDADA PAWAR
6	BEED	BAJRANG MANOHAR SO...	PANKAJA GOPINATHRAO MUNDE
7	BHANDARAGOND...	DR. PRASHANT YADAORA...	SUNIL BABURAO MENDHE
8	BHIWANDI	BALYA MAMA - SURESH ...	KAPIL MORESHWAR PATIL
9	BULDHANA	JADHAV PRATAPRAO GA...	NARENDRA DAGDU KHEDEKAR
10	CHANDRAPUR	DHANORKAR PRATIBHA ...	MUNGANTIWAR SUDHIR SACCHIDANA...
11	DHULE	BACHHAV SHOBHA DINE...	BHAMRE SUBHASH RAMRAO
12	DINDORI	BHASKAR MURLIDHAR B...	DR. BHARATI PRAVIN PAWAR
13	GADCHIROLI-CHI...	DR. KIRSAN NAMDEO	ASHOK MAHADEORAO NETE
14	HATKANANGALE	DHAIRYASHEEL SAMBHA...	SATYAJEET BABASAHEB PATIL (AABA) ...
15	HINGOLI	AASHTIKAR PATIL NAGES...	BABURAO KADAM KOHALIKAR
16	JALGAON	SMITA UDAY WAGH	KARAN BALASAHEB PATIL - PAWAR
17	JALNA	KALYAN VAIJINATHRAO K...	DANVE RAOSAHEB DADARAO
18	KALYAN	DR SHRIKANT EKNATH S...	VAISHALI DAREKAR - RANE
19	KOLHAPUR	CHHATRAPATI SHAHU SH...	SANJAY SADASHIVRAO MANDLIK
20	LATUR	DR. KALGE SHIVAJI BAND...	SUDHAKAR TUKARAM SHRANGARE
21	MADHA	MOHITE-PATIL DHAIRYAS...	RANJEETSINGH HINDURAO NAIK NIM...
22	MAVAL	SHRIRANG APPA CHAND...	SANJOG BHIKU WAGHERE PATIL
23	MUMBAINORTH	PIYUSH GOYAL	BHUSHAN PATIL
24	MUMBAINORTHC...	GAIKWAD VARSHA EKNATH	ADV UJWAL NIKAM
25	MUMBAINORTHE...	SANJAY DINA PATIL	MIHIR CHANDRAKANT KOTECHA
26	MUMBAINORTHW...	RAVINDRA DATTARAM W...	AMOL GAJANAN KIRTIKAR
27	MUMBAISOUTH	ARVIND GANPAT SAWANT	YAMINI YASHWANT JADHAV