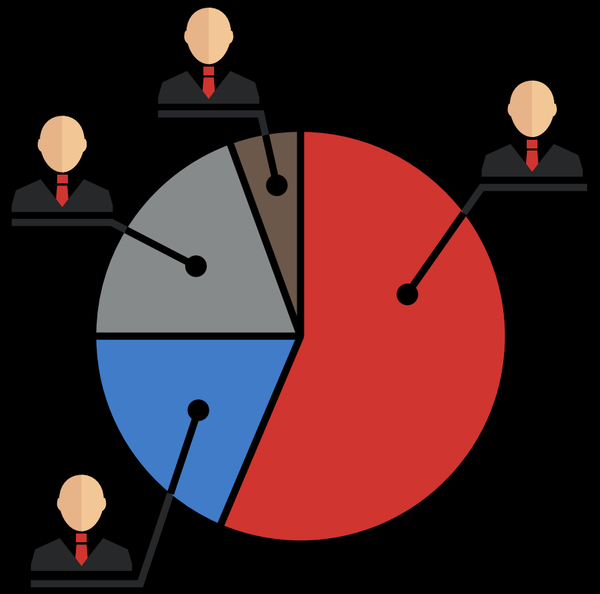
Indian Parliamentary Election Data Analysis Report

SQL Queries



Q1. What is the total number of parliamentary seats available for elections in India?

```
SELECT DISTINCT COUNT(Parliament_Constituency) AS Total_statesSeats
FROM constituencywise_results;
```

	Total_statesSeats
▶	543

Q2.What is the total number of seats available for elections in each state?

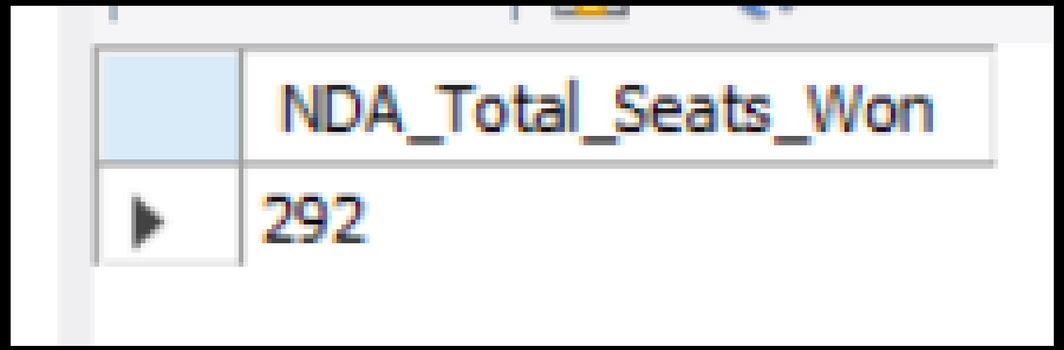
```sql
SELECT
    s.State AS State_Name,
    COUNT(cr.Constituency_ID) AS Total_Seats_Available
FROM constituencywise_results cr
JOIN statewise_results sr ON cr.Parliament_Constituency = sr.Parliament_Constituency
JOIN states s ON sr.State_ID = s.State_ID
GROUP BY s.State
ORDER BY s.State;
```

State_Name	Total_Seats_Available
Andaman & Nicobar Islands	1
Andhra Pradesh	25
Arunachal Pradesh	2
Assam	14
Bihar	40
Chandigarh	1
Chhattisgarh	11
Dadra & Nagar Haveli and Daman & Diu	2
Delhi	7
Goa	2
Gujarat	26
Haryana	10
Himachal Pradesh	4
Jammu and Kashmir	5
Jharkhand	14
Karnataka	28
Kerala	20

Result 2

Q3. How many total seats were won by the NDA alliance across India?

```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;
```



NDA_Total_Seats_Won
292

Q4. List the number of seats won by each party within the 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;
```

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

Q5. How many total seats were won by the I.N.D.I.A. alliance across India?

```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',
            '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 Won
        ELSE 0
    END) AS INDIA_Total_Seats_Won
FROM partywise_results;
```

INDIA_Total_Seats_Won
234

Q6. List the number of seats won by each party within the I.N.D.I.A. alliance.

```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',
                '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'
                )
ORDER BY Seats_Won DESC;
```

Party_Name	Seats_Won
Indian National Congress - INC	99
Samajwadi Party - SP	37
All India Trinamool Congress - AITC	29
Dravida Munnetra Kazhagam - DMK	22
Shiv Sena (Uddhav Balasaheb Thackrey) - SHSUBT	9
Nationalist Congress Party Sharadchandra Paw...	8
Communist Party of India (Marxist) - CPI(M)	4
Rashtriya Janata Dal - RJD	4
Aam Aadmi Party - AAAP	3
Indian Union Muslim League - IUML	3
Jharkhand Mukti Morcha - JMM	3
Communist Party of India - CPI	2
Communist Party of India (Marxist-Leninist) (Li...	2
Jammu & Kashmir National Conference - JKN	2
Viduthalai Chiruthaigal Katchi - VCK	2
Kerala Congress - KEC	1
Marumalarchi Dravida Munnetra Kazhagam - MD...	1
Revolutionary Socialist Party - RSP	1
Rashtriya Loktantrik Party - RLTP	1
Bharat Adivasi Party - BHRTADVSIP	1

Q8.Which alliance (NDA, I.N.D.I.A., or OTHER) won the highest number of seats across India?

```sql
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
GROUP BY p.party_alliance
ORDER BY Seats_Won DESC;
```

party_alliance	Seats_Won
NDA	292
I.N.D.I.A	234
OTHER	17

Q9. Display the winning candidate's name, party, alliance, total votes, and margin of victory for a particular state and constituency.

```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;
```

Winning_Candidate	Party	party_alliance	Total_Votes	Margin	Constituency_Name	State
GODAM NAGESH	Bharatiya Janata Party - BJP	NDA	568168	90652	ADILABAD	Telangana
PROF S P SINGH BAGHEL	Bharatiya Janata Party - BJP	NDA	599397	271294	AGRA	Uttar Pradesh
HASMUKHBHAI PATEL (H.S.PATEL)	Bharatiya Janata Party - BJP	NDA	770459	461755	AHMEDABADEAST	Gujarat
DINESHBHAI MAKWANA (ADVOCATE)	Bharatiya Janata Party - BJP	NDA	611704	286437	AHMEDABADWEST	Gujarat
NILESH DNYANDEV LANKE	Nationalist Congress Party Sharadchandra Paw...	I.N.D.I.A	624797	28929	AHMEDNAGAR	Maharashtra
BHAGIRATH CHOUDHARY	Bharatiya Janata Party - BJP	NDA	747462	329991	AJMER	Rajasthan
DEVENDRA SINGH ALIAS BHOLE SINGH	Bharatiya Janata Party - BJP	NDA	517423	44345	AKBARPUR	Uttar Pradesh
ANUP SANJAY DHOTRE	Bharatiya Janata Party - BJP	NDA	457030	40626	AKOLA	Maharashtra
K. C VENUGOPAL	Indian National Congress - INC	I.N.D.I.A	404560	63513	ALAPPUZHA	Kerala
K.RADHAKRISHNAN	Communist Party of India (Marxist) - CPI(M)	I.N.D.I.A	403447	20111	ALATHUR	Kerala
SATISH KUMAR GAUTAM	Bharatiya Janata Party - BJP	NDA	501834	15647	ALIGARH	Uttar Pradesh
MANOJ TIGGA	Bharatiya Janata Party - BJP	NDA	695314	75447	ALIPURDUARS	West Bengal
UJJWAL RAMAN SINGH	Indian National Congress - INC	I.N.D.I.A	462145	58795	ALLAHABAD	Uttar Pradesh
AJAY TAMTA	Bharatiya Janata Party - BJP	NDA	429167	234097	ALMORA	Uttarakhand
BHUPENDER YADAV	Bharatiya Janata Party - BJP	NDA	631992	48282	ALWAR	Rajasthan
G M HARISH (BALAYOGI)	Telugu Desam - TDP	NDA	796981	342196	AMALAPURAM(SC)	Andhra Prad...
VARUN CHAUDHRY	Indian National Congress - INC	I.N.D.I.A	663657	49036	AMBALA	Haryana
LALJI VERMA	Samajwadi Party - SP	I.N.D.I.A	544959	137247	AMBEDKARNAGAR	Uttar Pradesh
KISHORI LAL	Indian National Congress - INC	I.N.D.I.A	539228	167196	AMETHI	Uttar Pradesh
BALWANT BASWANT WANKHADE	Indian National Congress - INC	I.N.D.I.A	526271	19731	AMRAVATI	Maharashtra

Q10.Which parties won the most seats in a particular state (example: Andhra Pradesh), 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;
```

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

Q11. Find the total number of seats won by NDA, I.N.D.I.A., and OTHER alliances in each state.

```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;
```

State_Name	NDA_Seats_Won	INDIA_Seats_Won	OTHER_Seats_Won
Andaman & Nicobar Islands	1	0	0
Andhra Pradesh	21	0	4
Arunachal Pradesh	2	0	0
Assam	10	3	1
Bihar	30	9	1
Chandigarh	0	1	0
Chhattisgarh	10	1	0
Dadra & Nagar Haveli and Daman &...	1	0	1
Delhi	7	0	0
Goa	1	1	0
Gujarat	25	1	0
Haryana	5	5	0
Himachal Pradesh	4	0	0
Jammu and Kashmir	2	2	1
Jharkhand	9	5	0
Karnataka	19	9	0
Kerala	1	19	0
Ladakh	0	0	1
Lakshadweep	0	1	0
Madhya Pradesh	29	0	0
Maharashtra	17	30	1
Manipur	0	2	0
Meghalaya	0	1	1
Mizoram	0	0	1
Nagaland	0	1	0
Odisha	20	1	0
Puducherry	0	1	0

Result 12

Q12. Which candidates received the highest number of EVM votes (Top 10)?

```sql
SELECT  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
BANGALORENORTH	S1024	SHOBHA KARANDLAJE	982805
RAIGARH	S262	RADHESHYAM RATHIYA	806667
RATLAM	S1224	ANITA NAGARSINGH CHOUHAN	793432
COOCHBEHAR	S251	JAGADISH CHANDRA BARMA BASUNIA	785747
RANAGHAT	S2513	JAGANNATH SARKAR	778046
ANANTHAPUR	S0119	AMBICA G LAKSHMINARAYANA VALMIKI	755862
KOLHAPUR	S1347	CHHATRAPATI SHAHU SHAHAJI	750323
THANE	S1325	NARESH GANPAT MHASKE	732109
ULUBERIA	S2526	SAJDA AHMED	722586
DINDIGUL	S2222	SACHITHANANTHAM R	667391
RANCHI	S278	SANJAY SETH	658975
BHONGIR	S2914	CHAMALA KIRAN KUMAR REDDY	623762
KENDRAPARA	S1815	BAIJAYANT PANDA	612916
KALYAN	S1324	DR SHRIKANT EKNATH SHINDE	587921
WARANGAL	S2915	KADIYAM KAVYA	575566
CHATRA	S274	KALI CHARAN SINGH	568912
UDHAMPUR	U084	DR JITENDRA SINGH	566833
JANGIPUR	S259	KHALILUR RAHAMAN	543449
JHANJHARPUR	S047	RAMPRIT MANDAL	532138
KARAULI-DHOLPUR	S2010	BHAJAN LAL JATAV	525379
ARANI	S2212	THARANIVENTHAN M S	497083
AMROHA	S249	KANWAR SINGH TANWAR	475210
ETAH	S2422	DEVESH SHAKYA	474263
SECUNDERABAD	S298	G. KISHAN REDDY	468311
NAGARKURNOOL	S2912	DR.MALLU RAVI	459259
TURA	S152	SALENG A SANGMA	382058

Q13. Which candidate won and who was the runner-up in each constituency of Maharashtra?

```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;
```

	Constituency_Name	Winning_Candidate	Runnerup_Candidate
▶	KALYAN	DR SHRIKANT EKNATH SHINDE	VAISHALI DAREKAR - RANE
	KOLHAPUR	CHHATRAPATI SHAHU SHAHAJI	SANJAY SADASHIVRAO MANDLIK
	THANE	NARESH GANPAT MHASKE	RAJAN BABURAO VICHARE

Q14. For Maharashtra, find the total seats, total candidates, total parties, total votes (EVM + Postal), and vote breakdown.

```sql
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';
```

Total_Seats	Total_Candidates	Total_Parties	Total_Votes	Total_EVM_Votes	Total_Postal_Votes
3	76	2	3748130	3733135	14995