ELECTION COMMISSION RESULTS ANALYSIS
(SSMS)

Question1. Which States/UTs and Constituencies had the highest and the lowest Voter Turnout?

```sql
-- HIGHEST TURNOUT --
SELECT CONSTITUENCY,
        (CAST(TOTAL_CASTED_VOTES AS FLOAT) / CAST(TOTAL_ELECTORS_C AS FLOAT)) * 100 AS PERCENTAGE
FROM (
    SELECT CONSTITUENCY,
            SUM(TOTAL_VOTES) AS TOTAL_CASTED_VOTES,
            TOTAL_ELECTORS AS TOTAL_ELECTORS_C
    FROM elcEtion_commission
    GROUP BY CONSTITUENCY, TOTAL_ELECTORS
) AS NEW_TABLE
ORDER BY PERCENTAGE DESC
```

🔲 Results 📄 Messages

	CONSTITUENCY	PERCENTAGE
1	DHUBRI	86.6798919166712
2	ARUNACHAL EAST	86.4600868777002
3	BAPATLA	85.0702437782185
4	KANTHI	84.6378061701765
5	ONGOLE	84.408812510882
6	HINDUPUR	84.3258028992193
7	BISHNUPUR	84.2536161833924
8	BARPETA	84.2164105369911
9	JALPAIGURI	84.1816367265469
10	NARASARAOPET	84.0285897134264
11	BOLPUR	83.9277262615736
12	LAKSHADWEEP	83.7503850404972
13	TAMLUK	83.2522544531424
14	MATHURAPUR	83.1926837181374

```sql
-- LOWEST TURNOUT

SELECT CONSTITUENCY,
        (CAST(TOTAL_CASTED_VOTES AS FLOAT) / CAST(TOTAL_ELECTORS_C AS FLOAT)) * 100 AS PERCENTAGE
FROM (
    SELECT CONSTITUENCY,
            SUM(TOTAL_VOTES) AS TOTAL_CASTED_VOTES,
            TOTAL_ELECTORS AS TOTAL_ELECTORS_C
    FROM elcEtion_commission
    GROUP BY CONSTITUENCY, TOTAL_ELECTORS
) AS NEW_TABLE
ORDER BY PERCENTAGE
```

column TOTAL_ELECTORS(int, not null)

	CONSTITUENCY	PERCENTAGE
1	ANANTNAG	8.40247278003175
2	SRINAGAR	13.6601499531541
3	BARAMULLA	33.985359760438
4	NALANDA	41.9848790127146
5	PATNA SAHIB	43.3528206791401
6	KALYAN	43.9194455240843
7	HYDERABAD	44.2272480490886
8	SECUNDRABAD	45.2354243002506
9	KARAKAT	45.2959880401117
10	PHULPUR	47.2621671374505
11	NAWADA	47.6263418234112
12	THANE	47.9838694370879
13	PUNE	48.9846923438596
14	MALKAJGIRI	49.1117549272088
15	ALLAHABAD	49.3537315867984
16	GONDA	49.467984146854

Question 2. How many elected MPs have a criminal record and what is their party-wise distribution?

```sql
SELECT PARTY,SUM(CRIMINAL_CASES) AS TOTAL_CRIMINAL_CASES
FROM elcetion_commission
GROUP BY PARTY
ORDER BY TOTAL_CRIMINAL_CASES DESC
```

	PARTY	TOTAL_CRIMINAL_CASES
1	BJP	898
2	INC	734
3	BSP	175
4	CPI(M)	168
5	IND	131
6	SP	74
7	SHS	62
8	NCP	54
9	RJD	52
10	VBA	44
11	AITC	41
12	YSRCP	41
13	JD(U)	35
14	TRS	32
15	JAPL	31
16	DMK	28

Question 3.What is the distribution of assets, liabilities, and net worth of the elected MPs?

```sql
SELECT NAME,ASSETS,LIABILITIES
FROM elcetion_commission
WHERE WINNER='1'
```

	NAME	ASSETS	LIABILITIES
1	SOYAM BAPU RAO	Rs 30,99,414 ~ 30 Lacs+	Rs 2,31,450 ~ 2 Lacs+
2	Satyapal Singh Baghel	Rs 7,42,74,036 ~ 7 Crore+	Rs 86,06,522 ~ 86 Lacs+
3	Dr. SUJAY RADHAKRISHNA VIKHEPATIL	Rs 16,86,64,576 ~ 16 Crore+	Rs 26,23,964 ~ 26 Lacs+
4	Patel Hasmukhbhai Somabhai	Rs 7,46,99,690 ~ 7 Crore+	Rs 62,52,577 ~ 62 Lacs+
5	DR. KIRIT P. SOLANKI	Rs 8,94,74,039 ~ 8 Crore+	Rs 0 ~
6	Bhagirath Chaudhary	Rs 8,51,01,774 ~ 8 Crore+	Rs 83,19,942 ~ 83 Lacs+
7	Devendra Singh 'Bhole'	Rs 2,85,46,617 ~2 Crore+	Rs 5,59,965 ~5 Lacs+
8	Dhotre Sanjay Shamrao	Rs 7,71,53,230 ~ 7 Crore+	Rs 1,49,85,774 ~ 1 Crore+
9	Adv. A M ARIFF	Rs 1,52,68,906 ~ 1 Crore+	Rs 22,20,700 ~ 22 Lacs+
10	RAMYA HARIDAS	Rs 11,52,816 ~ 11 Lacs+	Rs 0 ~
11	SATISH KUMAR GAUTAM	Rs 10,95,22,559 ~ 10 Crore+	Rs 2,80,95,176 ~ 2 Crore+
12	JOHN BARLA	Rs 14,18,730 ~ 14 Lacs+	Rs 0 ~
13	Rita Bahuguna Joshi	Rs 2,69,19,330 ~ 2 Crore+	Rs 16,00,000 ~ 16 Lacs+
14	Ajay Tamta	Rs 99,10,448 ~ 99 Lacs+	Rs 55,845 ~ 55 Thou+
15	Balak Nath	Rs 3,52,929 ~ 3 Lacs+	Rs 0 ~
16	CHINTA ANURADHA	Rs 8,59,93,362 ~ 8 Crore+	Rs 24,31,407 ~ 24 Lacs+

Question 4. Which 10 constituencies saw the Most One-sided and the Closest victories respectively?

```sql
]WITH RankedResults AS (
    SELECT
        CONSTITUENCY,
        NAME,
        PARTY,
        SYMBOL,
        TOTAL_VOTES,
        TOTAL_ELECTORS,
        ROW_NUMBER() OVER (PARTITION BY CONSTITUENCY ORDER BY TOTAL_VOTES DESC)
        AS RankInConstituency
    FROM elcetion_commission
)
SELECT
    Winner.NAME AS WinningCandidate,
    Winner.PARTY AS Party,
    Winner.SYMBOL AS Symbol,
    Winner.TOTAL_VOTES AS WinnerVotes,
    RunnerUp.TOTAL_VOTES AS RunnerUpVotes,
    (Winner.TOTAL_VOTES - RunnerUp.TOTAL_VOTES) AS VictoryMargin,
    (CAST(Winner.TOTAL_VOTES AS FLOAT) / CAST(Winner.TOTAL_ELECTORS AS FLOAT)) * 100
    -AS VotePercentage
FROM RankedResults Winner
JOIN RankedResults RunnerUp ON Winner.CONSTITUENCY = RunnerUp.CONSTITUENCY
WHERE Winner.RankInConstituency = 1 AND RunnerUp.RankInConstituency = 2
ORDER BY VotePercentage DESC;
```

	WinningCandidate	Party	Symbol	WinnerVotes	RunnerUpVotes	VictoryMargin	VotePercentage
1	Rahul Gandhi	INC	Hand	706367	274597	431770	51.9510119667951
2	UDAY PRATAP SINGH	BJP	Lotus	877927	324245	553682	51.4568842786147
3	Kishan Kapoor	BJP	Lotus	725218	247595	477623	50.8091286016347
4	RAM SWAROOP SHARMA	BJP	Lotus	647189	241730	405459	50.5039556381695
5	ANANTKUMAR HEGDE	BJP	Lotus	786042	306393	479649	50.4973984950524
6	RAMESWAR TELI	BJP	Lotus	659583	295017	364566	50.1843920692009
7	Jothimani S	INC	Hand	695697	275151	420546	50.1480588717828
8	ANURAG SINGH THAKUR	BJP	Lotus	682692	575122	107570	50.1143313104827
9	Y.S.Avinash Reddy	YSRCP	Ceiling Fan	783499	402773	380726	49.8939076499844
10	C. R. Patil	BJP	Lotus	972739	283071	689668	49.3360917562782
11	RANJANBEN BHATT	BJP	Lotus	883719	294542	589177	49.2351088865316
12	Dr.PAARIVENDHAR, T. R	DMK	Rising Sun	683697	280179	403518	49.1213511771717
13	MAHENDRA SINGH SOLANKY	BJP	Lotus	862429	490180	372249	48.9876472803511
14	Ramakant Bhargava	BJP	Lotus	853022	349938	503084	48.9791020231924
15	Chandra Prakash Joshi	BJP	Lotus	982942	406695	576247	48.7591962145154
16	KIREN RIJIJU	BJP	Lotus	225796	50953	174843	48.6865398091747

Question 5. What is the region-wise distribution of seats across the country?

```sql
SELECT REGION.REGION,SUM(CAST(WINNER AS FLOAT)) AS TOTAL_SEATS
FROM elcetion_commission JOIN REGION
ON elcetion_commission.STATE = REGION.STATE
WHERE WINNER='1'
GROUP BY REGION
ORDER BY TOTAL_SEATS DESC
```

	REGION	TOTAL_SEATS
1	SOUTH INDIA	130
2	CENTRAL INDIA	118
3	EAST INDIA	118
4	WEST INDIA	102
5	NORTH INDIA	46
6	NORTH EAST INDIA	25