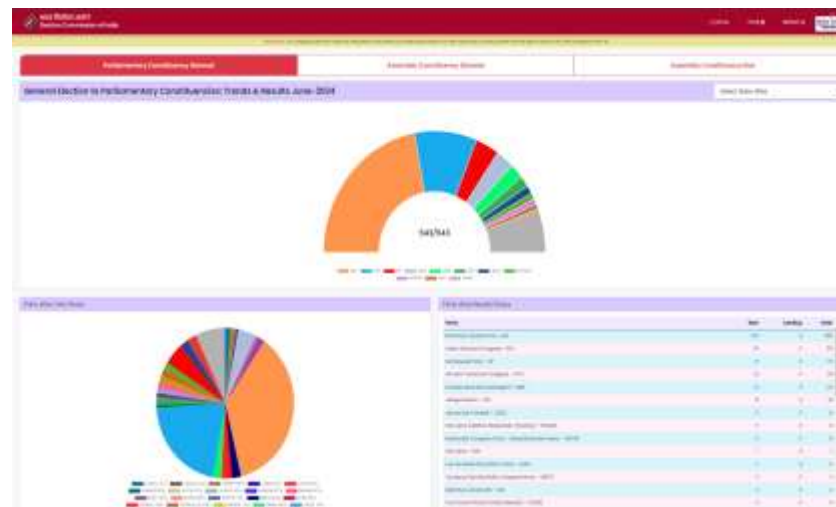


STEPS I FOLLOWED TO
ACHIEVE THIS PROJECT.

-L.SHASANK CHOWDARY

1.UNDERSTOOD THE DATA GIVEN



Party	Won	Leading	Total
Bharatiya Janata Party - BJP	240	0	240
Indian National Congress - INC	99	0	99
Samajwadi Party - SP	37	0	37
All India Trinamool Congress - AITC	29	0	29
Dravida Munnetra Kazhagam - DMK	22	0	22
Telugu Desam - TDP	16	0	16
Janata Dal (United) - JD(U)	12	0	12
Shiv Sena (Uddhav Balasaheb Thackeray) - SHSUBT	9	0	9
Nationalist Congress Party - Sharda Chandra Pawar - NCPSF	8	0	8
Shiv Sena - SHS	7	0	7
Lok Janashakti Party (Ram Vilas) - LJRPV	5	0	5
Yuvajana Samika Rytlu Congress Party - YSRCP	4	0	4
Rashtriya Janata Dal - RJD	4	0	4
Communist Party of India (Marxist) - CPI(M)	4	0	4
Indian Union Muslim League - IUM	3	0	3

2.BASIC DATA ANALYSIS DONE BY EDA - PANDAS

```
[6] import numpy as np
import pandas as pd # Import the pandas library and give it the alias 'pd'
import matplotlib.pyplot as plt

mla1data = pd.read_excel("MLA1DATA.xlsx")
df1 = pd.DataFrame(mla1data)
mp1data = pd.read_excel("MP1DATA.xlsx")
df2 = pd.DataFrame(mp1data)
centraldata = pd.read_excel("CENTRALDATA.xlsx")
df3 = pd.DataFrame(centraldata)
```

```
[7] df1.head(5)
```

	Constituency	Candidate	Party	Margin
0	Gopawada	PALLA SRINIVAS RAO	Telugu Desam	8535
1	Itanagar	SANTA SRINIVASA RAO	Telugu Desam	92401
2	Mangalagiri	NARAYAN LOREBH	Telugu Desam	91413
3	Puduchoti	PANCHAKRISHNAMESH BABU	Janaseva Party	61670
4	Nellore City	NARAYAN PONGURU	Telugu Desam	72489

```
df2.head(5)
```

	Constituency	Candidate	Party	Margin
0	Venkatapuram	SRIHARAT MATHURAMALI	Telugu Desam	55437
1	Guntur	DR CHANDRA SEKHAR PEMMABANI	Telugu Desam	34495
2	Anaparthi	G M HARISH	Telugu Desam	342196
3	Srikakulam	KRISHNAJU RAMMOHAN NAIDU	Telugu Desam	327881
4	Anaparthi	C M RAMESH	Bharatya Janata Party	296000

```
[8] df3.head(5)
```

	Unnamed: 0	Unnamed: 1	Unnamed: 2
0	PARTY	NO OF SEATS	VOTE SHARE
1	Bharatya Janata Party - BJP	340	0.3506
2	Indian National Congress - INC	99	0.2119
3	Samajwadi Party - SP	37	0.0458
4	All India Tamarind Congress -AITC	29	0.0437

```
df1.tail(5)
```

	Constituency	Candidate	Party	Margin
35	NAMTHANG RATHYANG	SANJEET KHARIEL	Bikam Kharikam Morcha	5005
36	NAMCHI SINGRETHANG	HIRSHNA KUMARI RAI	Bikam Kharikam Morcha	5302
37	CHOKO	PINTSO NAMGYAL LEPCHA	Bikam Kharikam Morcha	6007
38	YUKDEM TASHORANG	TIBETING THENCEP BHELITA	Bikam Kharikam Morcha	4012
39	BARITUNG	RIKSHAL DORJEE BHELITA	Bikam Kharikam Morcha	4346

```
[12] df2.tail(5)
```

	Constituency	Candidate	Party	Margin
36	Bhadra	ANIRANYU SETHI	Bharatya Janata Party	81544
37	Narasimpet	BALABHADRA MALA	Bharatya Janata Party	87006
38	Anantapur East	SNAN GAO	Bharatya Janata Party	30421
39	Anantapur West	KRISHNA RUDRA	Bharatya Janata Party	100730

```
[14] df1.describe()
```

	Margin
count	40.000000
mean	32180.500000
std	31168.734108
min	2871.000000
25%	5525.000000
50%	21815.000000
75%	56168.000000
max	92301.000000

```
df2.describe()
```

	Margin
count	31.000000
mean	198042.08540
std	102072.650136
min	38471.000000
25%	112272.000000
50%	208031.000000
75%	288809.000000
max	564247.000000

```
[16] df3.describe()
```

	Unnamed: 0	Unnamed: 1	Unnamed: 2
count	5	5	5
unique	5	5	5
top	PARTY	NO OF SEATS	VOTE SHARE
freq	1	1	1

```
[17] df1.shape
```

```
[18] df2.shape
```

```
[19] df3.shape
```

```
[20] df1.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 40 entries, 0 to 39
Data columns (total 4 columns):
 #   Column      Non-Null Count  Dtype
---  ---
 0   Constituency 40 non-null    object
 1   Candidate    40 non-null    object
 2   Party        40 non-null    object
 3   Margin       40 non-null    int64
dtypes: int64(1), object(3)
memory usage: 1.4+ KB
```

```
[22] df3.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 9 entries, 0 to 8
Data columns (total 3 columns):
 #   Column      Non-Null Count  Dtype
---  ---
 0   Unnamed: 0  9 non-null     object
 1   Unnamed: 1  9 non-null     object
 2   Unnamed: 2  9 non-null     object
dtypes: object(3)
memory usage: 344.0+ bytes
```

```
df1.isnull().sum()
```

```
Constituency    0
Candidate        0
Party            0
Margin           0
dtype: int64
```

```
[24] df2.isnull().sum()
```

```
Constituency    0
Candidate        0
Party            0
Margin           0
dtype: int64
```

```
[25] df3.isnull().sum()
```

```
Unnamed: 0      0
Unnamed: 1      0
Unnamed: 2      0
dtype: int64
```

3.PREPARED TABLES IN M.S.EXCEL ACCORDINGLY.

Party	MLA Seats	MLA Vote share	MP Seats	MP Vote share
Telugu desam party	135	45.60%	16	37.79%
Janasena Party - JnP	21	8.53%	2	6.33%
Yuva Jana Sramika Rythu Congress Party - YSRCP	11	39.37%	4	39.61%
Bharatiya Janata Party - BJP	8	2.83%	3	11.28%

2.top 10 candidates and their parties vote majority(MLA)

Constituency	Candidate	Party	Margin
Gajuwaka	PALLA SRINIVAS RAO	Telugu Desam	95235
Thimil	GANTA SRINIVASA RAO	Telugu Desam	92401
Mangalagiri	NARA LOKESH	Telugu Desam	91413
Pondurthi	PANCHAKARLA RAMESH BABU	Janasena Party	81870
Nellore City	NARAYANA PONGURU	Telugu Desam	72489
Tanuku	ARIMILLI RADHA KRISHNA	Telugu Desam	72121
Kakinada Rural	PANTAM VENKATESWARA RAO	Janasena Party	72040
Rajahmundry City	ADIREDDY SRINIVAS	Telugu Desam	71404
Visakhapatnam East	KAMAKRISHNA BABU VELAGAPUDI	Telugu Desam	70877
Rithapuram	KONIDALA PAWAN KALYAN	Janasena Party	70279

3.top 14 candidates and their parties vote majority (MP)

Constituency	Candidate	Party	Margin
Visakhapatnam	SRIBHAKAT MATHUKUMILI	Telugu Desam	504247
Guntur	DR CHANDRA SEKHAR PEMMASAN	Telugu Desam	344695
Amalapuram	G.M HARIISH	Telugu Desam	342196
Srikakulam	KINJARAPU RAMMOHAN NAIDU	Telugu Desam	327901
Ankapalle	C.M RAMESH	Bharatiya Janata Party	296539
Vijayawada	KESIMENI SIVANATHI	Telugu Desam	282085
Narasapuram	BHUPATHI RAJU SRINIVASA VARIM	Bharatiya Janata Party	278802
Vijayanagaram	APPALANaidu KALISETTI	Telugu Desam	249351
Nellore	PRASHAKAR REDDY VENIREDDY	Telugu Desam	245902
Rajahmundry	DAGGUBATI PURANDHESHWARI	Bharatiya Janata Party	239139
Kakinada	TANGELLA UDAY SRINIVAS	Janasena Party	229491
Machilipatnam	BALASHOWRY VALLABHANENI	Janasena Party	221179
Chittoor	DAGGUMALLA PRASADA RAO	Telugu Desam	220479
Rapatla	KRISHNA PRASAD TENNETI	Telugu Desam	208031

PARTY	NO OF SEATS	VOTE SHARE
Bharatiya Janata Party - BJP	240	36.56%
Indian National Congress - INC	99	21.19%
Samajwadi Party - SP	37	4.58%
All India Trinamool Congress - AITC	29	4.37%
Dravida Munnetra Kazhagam - DMK	22	1.82%
Telugu Desam - TDP	16	1.98%
Janata Dal (United) - JD(U)	12	1.25%
Shiv Sena (Uddhav Balasaheb Thackrey) - SHSUBT	9	1.48%

Party	MLA Seats	MLA Vote share	MP Seats	MP Vote share
Bharatiya Janata Party - BJP	78	40.07%	20	45.34%
Biju Janata Dal - BJD	51	40.22%	0	37.53%
Indian National Congress - INC	14	13.26%	1	12.52%
Communist Party of India (Marxist) - CPI(M)	1	0.37%	0	0.02%
Independent - IND	3	4.00%	0	2.19%

2.top 10 candidates and their parties vote majority(MLA)

Constituency	Candidate	Party	Margin
Bari	BISWA NANDAN MALLICK	Biju Janata Dal	51465
Begunia	PRADIP KUMAR SAHU	Biju Janata Dal	47814
Champua	SANATAN MAHAJID	Biju Janata Dal	39994
Patna	AKHILA CHANDRA NAW	Bharatiya Janata Party	37979
Badesahi	SANATAN BIJULI	Bharatiya Janata Party	37387
Kendrapara	GANESWAR BEHERA	Biju Janata Dal	35418
Ishtipur	GANESH RAM SINGHJHUTIA	Bharatiya Janata Party	34667
Bangipooli	SANJALI MURMU	Bharatiya Janata Party	34475
Mahakalapada	DURGAS PRASAN NAYAK	Bharatiya Janata Party	33526
Morada	DR. KRUSHNA CHANDRA MAHAPATRA	Bharatiya Janata Party	33270

3.top 14 candidates and their parties vote majority (MP)

Constituency	Candidate	Party	Margin
Bargarh	PRADEEP PURDHI	BJP	231667
Mayurbhanj	NABA CHARIAN MAHI	BJP	218334
Berhampur	DR. PRADEEP KUMAR PANIGRAHY	BJP	185478
Koraput	SAPTAGIRI SANKAR ULAKA	INC	147744
Balasore	PRATAP CHANDRA SARANGI	BJP	147156
Sundargarh	LIJAL GRAM	BJP	138808
Kalahandi	MALVIKA DEVI	BJP	133813
Bolangir	SANGEETA KUMARI SINGH DEO	BJP	132664
Sambalpur	DHARMENDRA PRADHAN	BJP	119838
Puri	SANBIT PATRA	BJP	104709
Aska	ANITA SUBHADARGHINI	BJP	99978
Kemphar	ANANTA NAYAK	BJP	87042
Bhadrak	AVIMANYU SETHI	BJP	81584
Nabarangpur	BALABHADRA MAHI	BJP	87538

Party	MLA Seats	MLA Vote share	MP Seats	MP Vote share
Sikkim Krantikari Morcha - SKM	31	58.38%	1	42.52%
Sikkim Democratic Front - SDF	1	27.37%	0	20.46%

2.top 10 candidates and their parties vote majority(MLA)

Constituency	Candidate	Party	Margin
SORENG-CHAKUNG	P S TAMANG	Sikkim Krantikari Morcha	7396
RIHENDOCK	P S TAMANG	Sikkim Krantikari Morcha	7044
RINCHENPONG	ERUNG TENZING LEPCHA	Sikkim Krantikari Morcha	6400
MANEYBONG-DENTAM	SUDES KUMAR SUBBA	Sikkim Krantikari Morcha	6039
DARAMDIN	MINGMA NORBU SHERPA	Sikkim Krantikari Morcha	5975
NAMTHANG-RATEYPANI	SANJEET KHAREL	Sikkim Krantikari Morcha	5605
NAMCHI-SINGHITHANG	KRISHNA KUMARI RAI	Sikkim Krantikari Morcha	5302
DJONGU	PINTSO NAMGYAL LEPCHA	Sikkim Krantikari Morcha	5007
YUKSOM TASHIDING	TSHERING THENDUP BHUTIA	Sikkim Krantikari Morcha	4812
BARFUNG	RIKSHAL DORJEE BHUTIA	Sikkim Krantikari Morcha	4346

3.top 2 candidates and their parties vote majority (MP)

Constituency	Candidate	Party	Margin
Sikkim	INDRA HANG SUBBA	Sikkim Krantikari Morcha	80830

4.BY USING THESE TABLES ,I PREPARED PIVOT CHARTS

Row Labels	Sum of MLA Seats
saratiya Janata	8
nasena Party -	21
rlugu desam pr	135
rajana Sramik	11
and Total	175

Row Labels	Sum of MP Seats
saratiya Janata	3
nasena Party -	2
rlugu desam pr	16
rajana Sramik	4
and Total	25

Row Labels	Sum of MLA Vote share
saratiya Janata	2.83%
nasena Party -	8.53%
rlugu desam pr	45.60%
rajana Sramik	39.37%
and Total	96.33%

Row Labels	Sum of MP Vote share
saratiya Janata	11.28%
nasena Party -	6.33%
rlugu desam pr	37.79%
rajana Sramik	39.61%
and Total	95.01%

Row Labels	Sum of Margin
IPALANIDU K	249351
LLASHOWRY V	223179
4UPATHI RAJU	276802
M.RAMESH	296530
GGGUBATI PUI	239139
GGGUMALLA P	220479
E CHANDRA SE	344695
M HARISH	342196
SINENI SIVAN	282085
NJARAPU RAM	327901
ISHNA PRASA	208031
IABHAKAR REI	245902
IBHARAT MAT	504247
INGELLA UDAY	229491
and Total	3990028

 | | | |---|--------------------| | Row Labels | Sum of NO OF SEATS | | All India Trinamool Congress - AITC | 29 | | Bharatiya Janata Party - BJP | 340 | | Dravida Munnetra Kazhagam - DMK | 22 | | Indian National Congress - INC | 99 | | Janata Dal (United) - JD(U) | 12 | | Samajwadi Party - SP | 37 | | Shiv Sena (Uddhav Balasaheb Thackrey) - SHS | 9 | | Telugu Desam - TDP | 16 | | Grand Total | 464 | | | | |---|-------------------| | Row Labels | Sum of VOTE SHARE | | All India Trinamool Congress - AITC | 4.37% | | Bharatiya Janata Party - BJP | 36.56% | | Dravida Munnetra Kazhagam - DMK | 1.82% | | Indian National Congress - INC | 21.19% | | Janata Dal (United) - JD(U) | 1.25% | | Samajwadi Party - SP | 4.58% | | Shiv Sena (Uddhav Balasaheb Thackrey) - SHS | 1.48% | | Telugu Desam - TDP | 1.98% | | Grand Total | 73.23% | | | | |-----------------------------|---------------| | Row Labels | Max of Margin | | ADIREDDY SRINIVAS | 71404 | | ARIMILLI RADHA KRISHNA | 72121 | | GANTA SRINIVASA RAO | 92401 | | KONIDALA PAWAN KALYAN | 70279 | | NARA LOKESH | 91413 | | NARAYANA PONGURU | 72489 | | PALLA SRINIVAS RAO | 95235 | | PANCHAKARLA RAMESH BABU | 81870 | | PANTAM VENKATESWARA RAO | 72040 | | RAMAKRISHNA BABU VELAGAPUDI | 70877 | | Grand Total | 95235 | | | | |---|------------------| | Row Labels | Sum of MLA Seats | | Bharatiya Janata Party - BJP | 78 | | Biju Janata Dal - BJD | 51 | | Communist Party of India (Marxist) - CPI(M) | 1 | | Independent - IND | 3 | | Indian National Congress - INC | 14 | | Grand Total | 147 | | | | |---|-----------------| | Row Labels | Sum of MP Seats | | Bharatiya Janata Party - BJP | 20 | | Biju Janata Dal - BJD | 0 | | Communist Party of India (Marxist) - CPI(M) | 0 | | Independent - IND | 0 | | Indian National Congress - INC | 1 | | Grand Total | 21 | | | | |---|-----------------------| | Row Labels | Sum of MLA Vote share | | Bharatiya Janata Party - BJP | 40.07% | | Biju Janata Dal - BJD | 40.22% | | Communist Party of India (Marxist) - CPI(M) | 0.37% | | Independent - IND | 4.00% | | Indian National Congress - INC | 13.26% | | Grand Total | 97.92% | | | | |---|----------------------| | Row Labels | Sum of MP Vote share | | Bharatiya Janata Party - BJP | 0.4534 | | Biju Janata Dal - BJD | 0.3753 | | Communist Party of India (Marxist) - CPI(M) | 0.0002 | | Independent - IND | 0.0219 | | Indian National Congress - INC | 0.1252 | | Grand Total | 0.976 | | | | | |----------------------------|---------------| | best performer of odisha | | | Row Labels | Sum of Margin | | AKHILA CHANDRA NAIK | 37979 | | BISWA RANIAN MALLICK | 51465 | | DR. KRUSHNA CHANDRA MAHAPA | 33270 | | DURGA PRASAN NAYAK | 33526 | | GANESH RAM SINGKHUNTIA | 34667 | | GANESWAR BEHERA | 35418 | | PRADIP KUMAR SAHU | 47814 | | SANATAN BIJULI | 37387 | | SANATAN MAHAKUDI | 39994 | | SANJALI MURMU | 34476 | | Grand Total | 385996 | | | | |-----------------------------|---------------| | Row Labels | Sum of Margin | | ANANTA NAYAK | 37042 | | ANITA SUBHADARSHINI | 39974 | | AVIMANYU SETHI | 91544 | | BALABHADRA MAJHI | 87536 | | DHARMENDRA PRADHAN | 119836 | | DR. PRADEEP KUMAR PANIGRAHY | 165476 | | JUAL ORAM | 138808 | | MALVIKA DEVI | 133813 | | NABA CHARAN MAJHI | 219334 | | PRADEEP PURDHIT | 251667 | | PRATAP CHANDRA SARANGI | 147156 | | SAMBIT PATRA | 104709 | | SANGEETA KUMARI SINGH DEO | 132664 | | SAPTASIRI SANKAR ULAKA | 147744 | | Grand Total | 1937303 | | | | | |--------------------------------|------------------| | Row Labels | Sum of MLA Seats | | Sikkim Democratic Front - SDF | 1 | | Sikkim Krantikari Morcha - SKM | 31 | | Grand Total | 32 | | | | |--------------------------------|-----------------| | Row Labels | Sum of MP Seats | | Sikkim Democratic Front - SDF | 0 | | Sikkim Krantikari Morcha - SKM | 1 | | Grand Total | 1 | | | | |--------------------------------|-----------------------| | Row Labels | Sum of MLA Vote share | | Sikkim Democratic Front - SDF | 27.37% | | Sikkim Krantikari Morcha - SKM | 58.38% | | Grand Total | 85.75% | | | | |--------------------------------|----------------------| | Row Labels | Sum of MP Vote share | | Sikkim Democratic Front - SDF | 20.46% | | Sikkim Krantikari Morcha - SKM | 42.52% | | Grand Total | 62.98% | | | | |-------------------------|---------------| | Row Labels | Sum of Margin | | ERUNG TENZING LEPCHA | 6400 | | KRISHNA KUMARI RAI | 5302 | | MINGMA NORBU SHERPA | 5975 | | P S TAMANG | 14440 | | PINTSO NAMGYAL LEPCHA | 5007 | | RIKSHAL DORJEE BHUTIA | 4346 | | SANJEET KHAREL | 5605 | | SUDESH KUMAR SUBBA | 6039 | | TSHERING THENDUP BHUTIA | 4812 | | Grand Total | 57926 | | | | |------------------|---------------| | Row Labels | Sum of Margin | | INDRA HANG SUBBA | | | Grand Total | | |

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Odisha

Arunachal Pradesh

Sikkim

CENTRAL Parliamentary

PIVOT TABLES

CENTRAL

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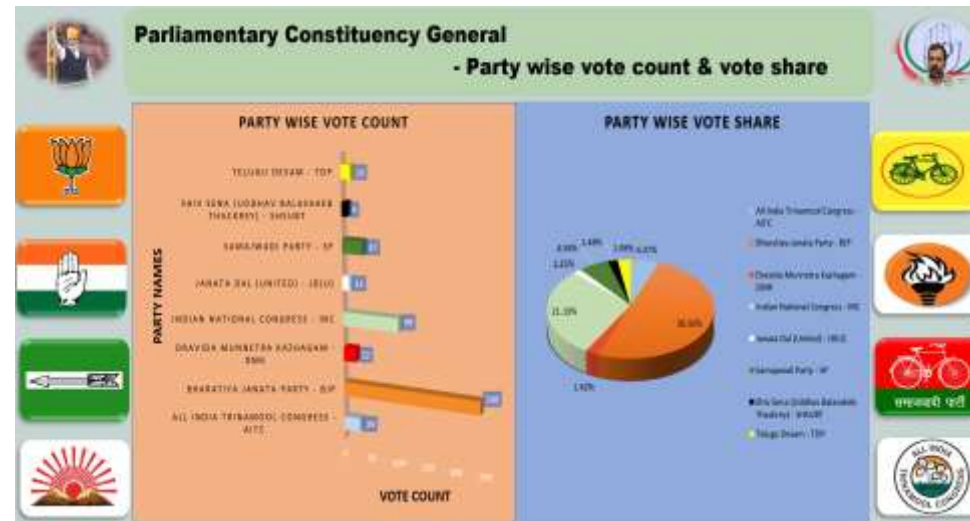
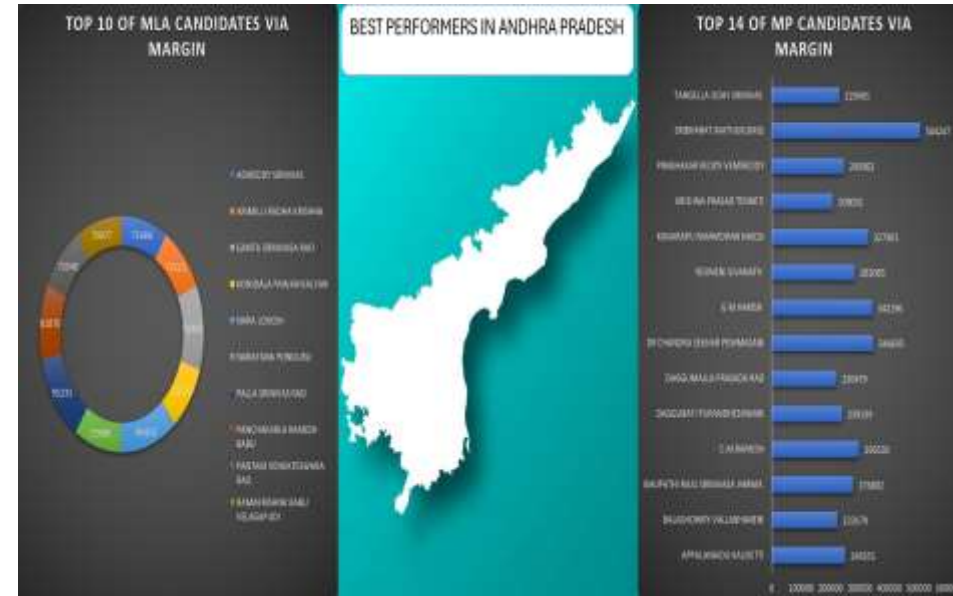
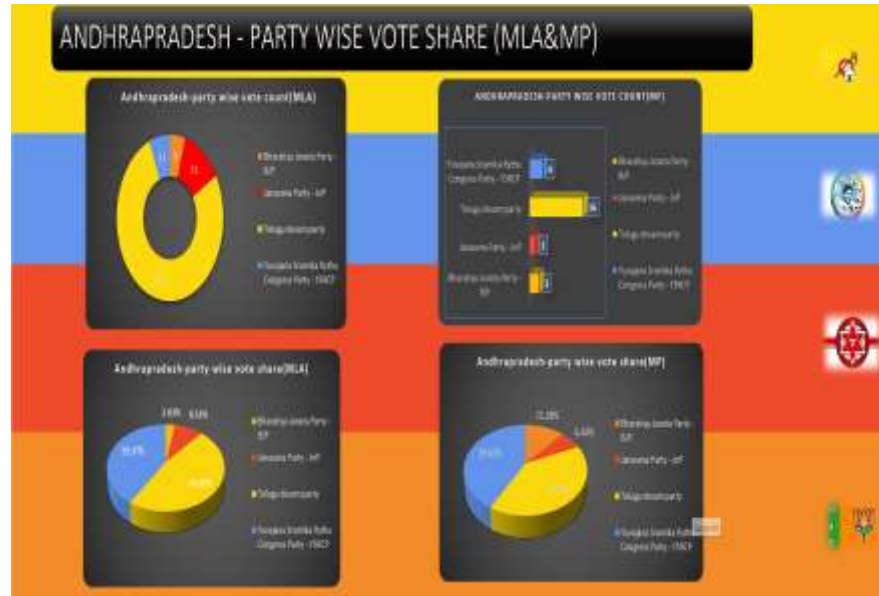
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5.STRUCTURED 10 INSIGHTS TO ANALYZE THE DATA

- STATE THE VOTE COUNT & VOTE SHARE IN PARLIAMENTARY CONSTITUENCY GENERAL.
- ANALYSE THE ELECTIONS IN ANDHRA PRADESH VIA COMPARING MLA&MP SEATS.
- STATE THE TOP% OF CANDIATES VIA MARGIN (MLA&MP) IN AP.
- ANALYSE THE ELECTIONS IN ODISHA VIA COMPARING MLA&MP SEATS.
- STATE THE TOP% OF CANDIATES VIA MARGIN (MLA&MP) IN ODISHA.
- ANALYSE THE ELECTIONS IN ARUNACHAL PRADESH VIA COMPARING MLA&MP SEATS.
- STATE THE TOP% OF CANDIATES VIA MARGIN (MLA&MP) IN ARUNACHAL PRADESH.

- ANALYSE THE ELECTIONS IN SIKKIM VIA COMPARING MLA&MP SEATS.
- STATE THE TOP% OF CANDIDATES VIA MARGIN (MLA&MP) IN SIKKIM.
- INSIGHTS ABOUT BY-ELECTIONS IN 2024.

6.DONE ANALYSIS BY CONSIDERING INSIGHTS.



THANKYOU

