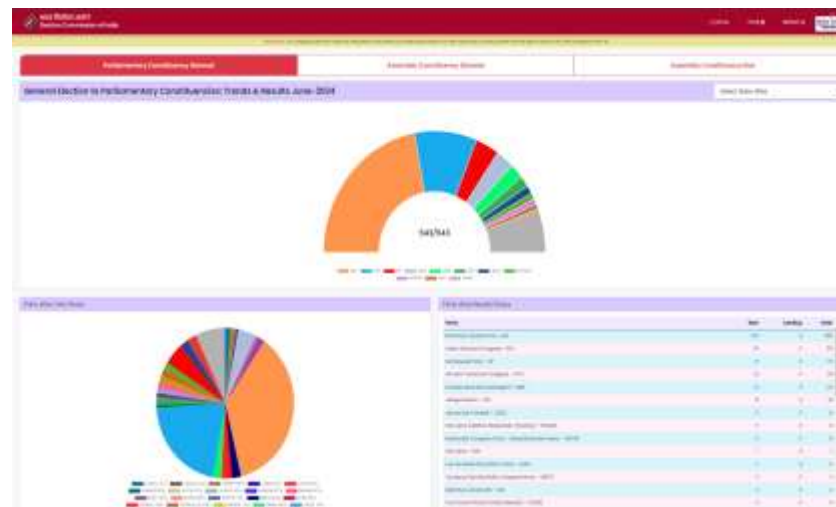


STEPS I FOLLOWED TO
ACHIEVE THIS PROJECT.

-P. SASANKA

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 (Jadhav Balasaheb Thackrey) - SHSJB	9	0	9
Nationalist Congress Party - Sharda Chandra Power - NCPSF	8	0	8
Shiv Sena - SHS	7	0	7
Lok Janashakti Party (Ram Vilas) - LJRPV	5	0	5
Yuvajana Samika Riksha 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	NARAI LORESH	Telugu Desam	91413
3	Puduchoti	PANCHAKRISHNAMESH BABU	Janaseva Party	61670
4	Nellore City	NARAYANAPONGURU	Telugu Desam	72489

[8] df2.head(5)

	Constituency	Candidate	Party	Margin
0	Venkatapuram	SRIHARAT MATHURAJALI	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

[9] 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

[10] df1.tail(5)

	Constituency	Candidate	Party	Margin
35	NAMTHANG-NATEYPAN	SANJEET KHARIEL	Bikam Kharikani Morcha	5005
36	NAMCHI-SINGRETHANG	HIRESH KUMAR RAI	Bikam Kharikani Morcha	5302
37	DJONGU	PINTSO NAMGYAL LEPCHA	Bikam Kharikani Morcha	6007
38	YUNGDEM TASHIGANG	TSHERING THENCEB BHELITA	Bikam Kharikani Morcha	4012
39	BARITUNG	RISHANG DORJEE BHELITA	Bikam Kharikani Morcha	4346

[11] df2.tail(5)

	Constituency	Candidate	Party	Margin
36	Bhadra	ANIRANYU SETHI	Bharatya Janata Party	81544
37	Narasimpet	BALABHADRA MALA	Bharatya Janata Party	87006
38	Anantnagar East	ANUR AGO	Bharatya Janata Party	30421
39	Anantnagar West	KRISHNA RULU	Bharatya Janata Party	100738

[14] df1.describe()

	Margin
count	40.000000
mean	32180.500000
std	31168.734108
min	2871.000000
25%	5525.000000
50%	21815.000000
75%	36168.000000
max	92335.000000

[15] df2.describe()

	Margin
count	31.000000
mean	198042.08540
std	102072.650136
min	38471.000000
25%	112272.000000
50%	208031.000000
75%	288509.000000
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
```

[23] 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
Puttapuram	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 HARISH	Telugu Desam	342196
Srikakulam	KINJARAPU RAMMOHAN NAIDU	Telugu Desam	327901
Anaparthi	C.M.RAMESH	Bharatiya Janata Party	296539
Vijayawada	KESIMENI SIVANATH	Telugu Desam	282085
Narasapuram	BHUPATHI RAJU SRINIVASA VARIM	Bharatiya Janata Party	278802
Vijayanagara	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 MAHARUD	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	UJAL GRAM	BJP	138808
Kalahandi	MALVIKA DEVI	BJP	133813
Bolangir	SANGEETA KUMARI SINGH DEO	BJP	132864
Sambalpur	DHARMENDRA PRADHAN	BJP	119838
Puri	SANBIT PATRA	BJP	104709
Aska	ANITA SUBHADARGHINI	BJP	99978
Konjhar	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	SUDESH 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
UPATHI 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

ODISHA	
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
DURGAS 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	97042
ANITA SUBHADARSHINI	99974
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	

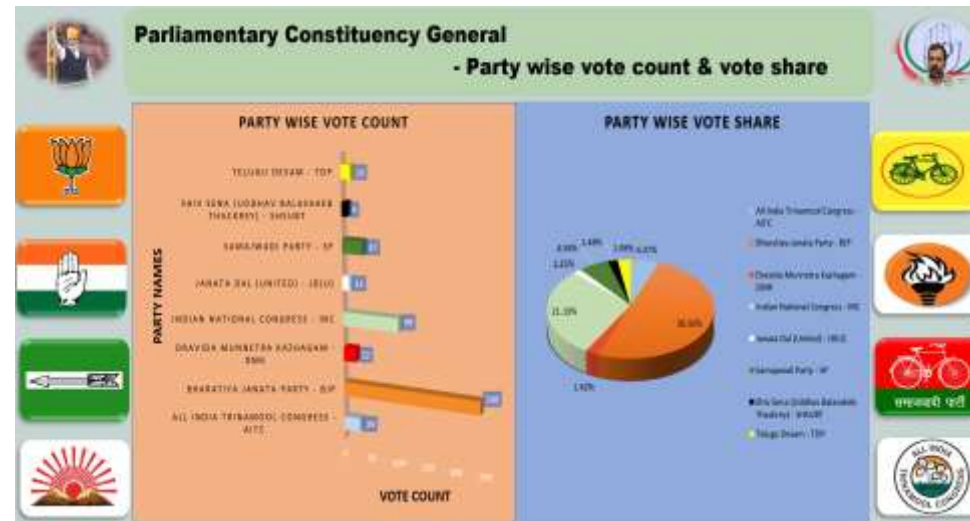
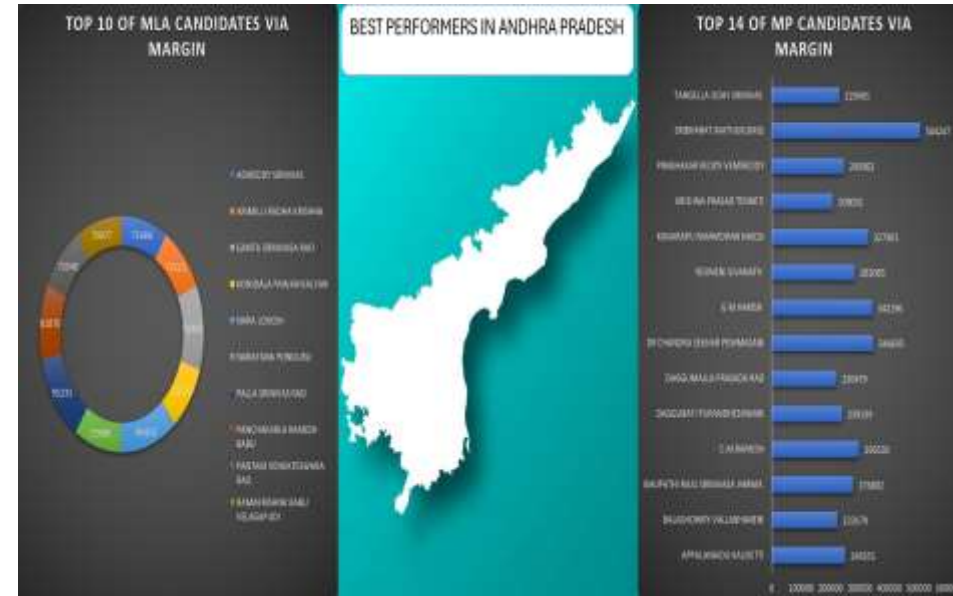
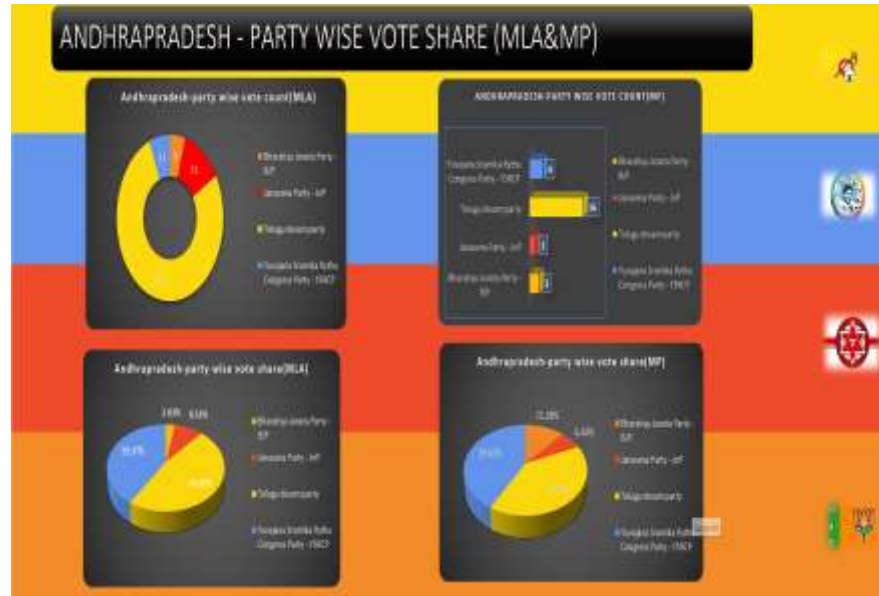
<>...OdishaArunachal PradeshSikkimCENTRAL ParliamentaryPIVOT TABLESCENTRALA...+

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

