



# ARULMIGU PALANIANDAVAR COLLEGE OF ARTS & CULTURE, PALANI.

## DEPARTMENT OF MATHEMATICS

**COURSE NAME :** DATA LITERACY WITH TABLEAU

**PROJECT NAME :** Political Juggernauts: A Quantitative Analysis  
Of Candidates In The 2019 Lok Sabha Elections

### TEAM MEMBERS :

1. K.KAVINKUMAR
2. KRISHNAMOORTHY
3. P.LINGESHWARAN
4. P.LOGESH KUMAR

**MENTOR :**

**Dr.V.PANDIYAMMAL**



யாதானும் நாடாமால் ஊராமால் என்னொருவன்  
சாந்துணையுங் கல்லாத வாறு.

கற்றவனுக்கு எந்த நாடும் தன் நாடாகும்; எந்த ஊரும் தன் ஊராகும்;  
இதுவே உண்மையாக இருந்தும் ஒருவன் சாகும் வரைக்கும்  
கல்லாமலிருப்பது எதனால்?

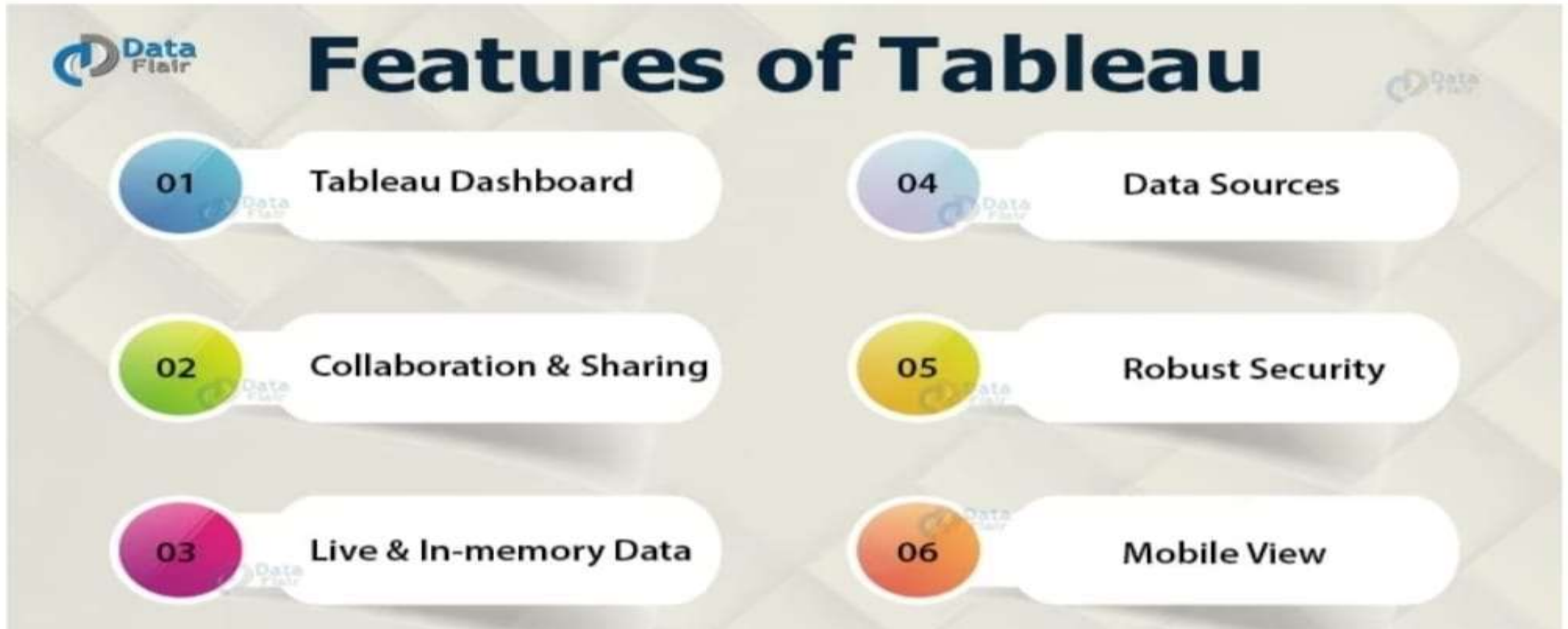
ALL COUNTRIES ARE HIS OWN, WHEN HE EDUCATE

# Introduction to Tableau

Tableau Desktop is a data visualization application to facilitate you to examine virtually any kind of structured data and generate

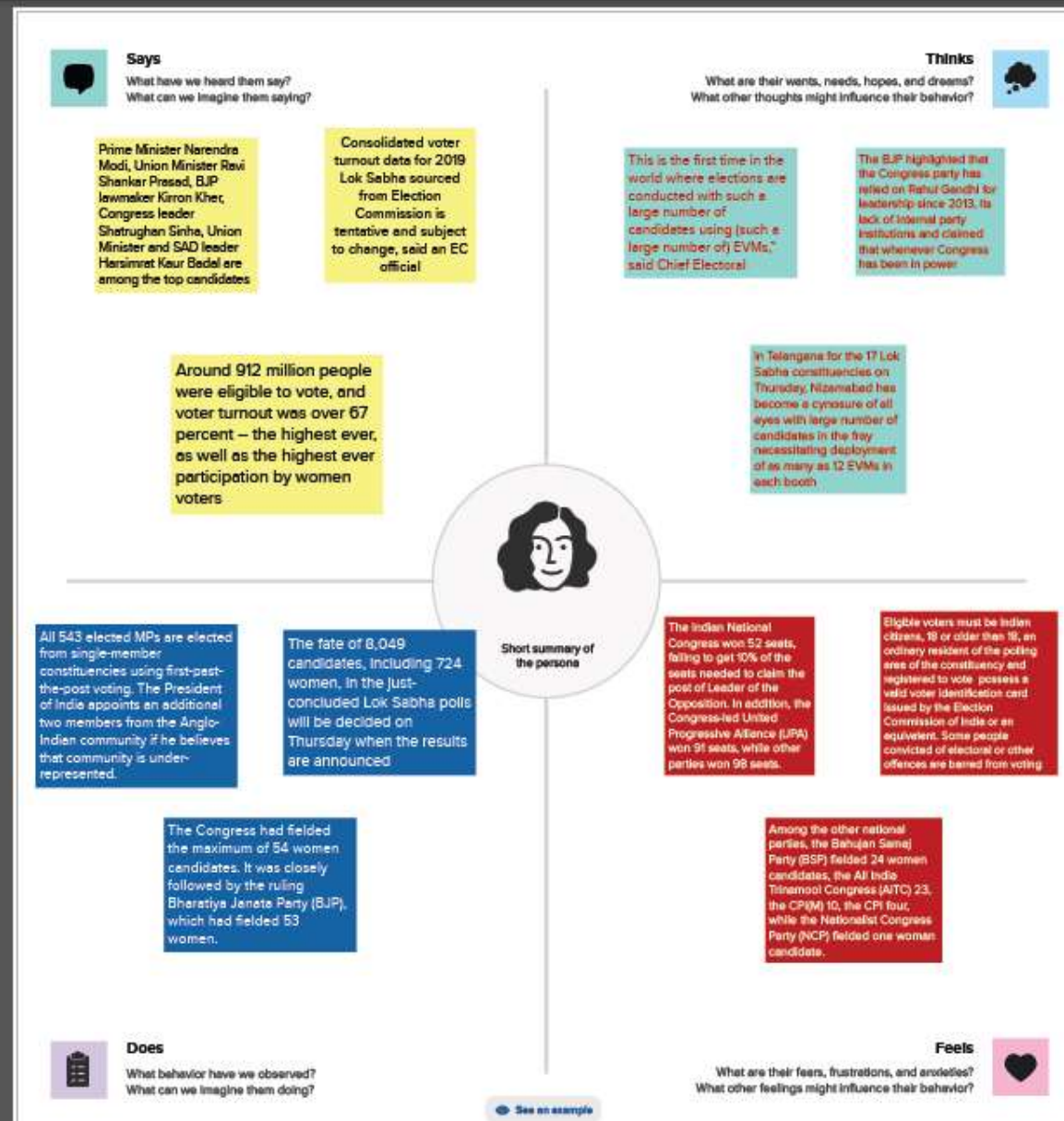
- highly interactive,
- beautiful graphs,
- dashboards, and
- reports within minutes.

# Features of Tableau





# Empathy map



# Brain storming

2

## Brainstorm

Write down any ideas that come to mind that address your problem statement.

10 minutes

**TIP**  
You can select a sticky note and hit the pencil button to edit it or to start drawing!

### Person 1

on average 14.8 candidates are contesting per constituency across 71 the country

Among all the states, Telangana has the highest average number of candidates

INC  
Rahul Gandhi  
19.56%  
VOTES: 119495214  
SEATS WON: 52/542

DMK  
M.K.Stalin  
2.33%  
VOTES: 14363332  
SEATS WON: 23/542

BJP  
Narendra modi  
Votes: 229078879  
37.7%  
SEATS WON: 303/542

AITC  
Mamtha Banerjee  
4.1%  
VOTES: 24757345  
SEATS WON: 22/542

### Person 3

YSR Congress  
Y.S.Jaganmogan Reddy  
2.26%  
VOTES: 13877992  
SEATS WON: 22/542

SS  
Udday Thackare  
2.10%  
VOTES: 12858904  
SEATS WON: 18/542

BID  
Navleen Patnalk  
1.66%  
VOTES: 10174021  
SEATS WON: 12/542

BSP  
Mayawati  
3.63%  
VOTES: 22246501  
SEATS WON: 10/542

JDU(J)  
Nitinish Kumar  
1.46%  
VOTES: 8926679  
SEATS WON: 16/542

NCP  
Sharat pevar  
1.39%  
VOTES: 8500331  
SEATS WON: 05/542

3

## Group Ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

20 minutes

**TIP**  
Ask participants to give sticky notes a color to make it easier to find, browse, organize, and categorize important ideas as they write your notes.

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Among all the states, Telangana has the highest average number of candidates

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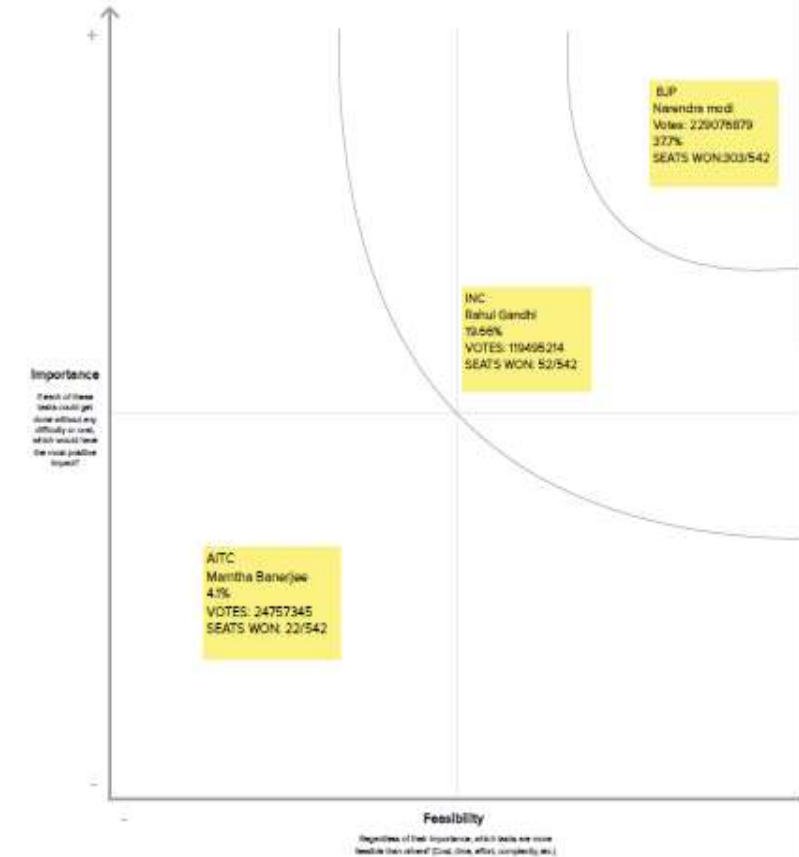
4

## Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

30 minutes

**TIP**  
Participants can use their colors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the same pointer holding the key on the spreadsheet.



## DATA SET

File Home Insert Page Layout Formulas Data



**PROTECTED VIEW** Be careful—files from the Internet can contain viruses. Unless you need to edit, it's safer to stay in Protected View.

[Enable Editing](#)

A1 STATE

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1	STATE	CONSTITU	NAME	WINNER	PARTY	SYMBOL	GENDER	CRIMINAL	AGE	CATEGOR	EDUCATIC	ASSETS	LIABILITIE	GENERAL	POSTALVC	TOTALVOT	OVER TOT	OVER TOT	TOTAL ELECTORS		
2	Telangana	ADILABAD	SOYAM BA	1	BJP	Lotus	MALE	52	52	ST	12th Pass	Rs 30,99,4	Rs 2,31,45	376892	482	377374	25.33068	35.46825	1489790		
3	Telangana	ADILABAD	Godam Na	0	TRS	Car	MALE	0	54	ST	Post Grad	Rs 1,84,77	Rs 8,47,00	318665	149	318814	21.39993	29.96437	1489790		
4	Telangana	ADILABAD	RATHOD R	0	INC	Hand	MALE	3	52	ST	12th Pass	Rs 3,64,91	Rs 1,53,00	314057	181	314238	21.09277	29.53429	1489790		
5	Telangana	ADILABAD	NOTA	0	NOTA									13030	6	13036	0.875023	1.225214	1489790		
6	Uttar Prad	AGRA	Satyapal S	1	BJP	Lotus	MALE	5	58	SC	Doctorate	Rs 7,42,74	Rs 86,06,5	644459	2416	646875	33.38382	56.46461	1937690		
7	Uttar Prad	AGRA	Manoj Kur	0	BSP	Elephant	MALE	0	47	SC	Post Grad	Rs 13,37,8	Rs 2,22,51	434199	1130	435329	22.46639	37.99913	1937690		
8	Uttar Prad	AGRA	Preeta Ha	0	INC	Hand	FEMALE	0	54	SC	Post Grad	Rs 5,50,75	Rs 0 ~	44877	272	45149	2.330042	3.940979	1937690		
9	Maharash	AHMADN	Dr. SUJAY	1	BJP	Lotus	MALE	0	37	GENERAL	Doctorate	Rs 16,86,6	Rs 26,23,9	696961	7699	704660	37.85653	58.42516	1861396		
10	Maharash	AHMADN	SANGRAM	0	NCP	Clock	MALE	1	34	GENERAL	Graduate	Rs 9,44,88	Rs 3,25,49	419364	3822	423186	22.73487	35.08743	1861396		
11	Maharash	AHMADN	SUDHAKA	0	VBA	Cup & Sau	MALE	0	62	GENERAL	Graduate	Rs 1,39,49	Rs 14,00,0	31644	163	31807	1.708771	2.6372	1861396		
12	Gujarat	AHMEDAE	Patel Hasr	1	BJP	Lotus	MALE	0	58	GENERAL	Others	Rs 7,46,99	Rs 62,52,5	745810	4024	749834	41.38497	67.00546	1811851		
13	Gujarat	AHMEDAE	Gitaben P	0	INC	Hand	FEMALE	6	38	GENERAL	10th Pass	Rs 4,03,75	Rs 31,21,8	312883	2621	315504	17.41335	28.19356	1811851		
14	Gujarat	AHMEDAE	DR. KIRIT	1	BJP	Lotus	MALE	0	69	SC	Post Grad	Rs 8,94,74	Rs 0 ~	638241	3381	641622	39.04432	64.21145	1643317		
15	Gujarat	AHMEDAE	RAJU PAR	0	INC	Hand	MALE	0	68	SC	Graduate	Rs 26,29,9	Rs 1,89,43	317797	2279	320076	19.47743	32.03217	1643317		
16	Gujarat	AHMEDAE	NOTA	0	NOTA									14580	139	14719	0.895688	1.47303	1643317		
17	Gujarat	AHMEDAE	TRIBHOVA	0	BSP	Elephant	MALE	0	66	SC	8th Pass	Rs 53,54,0	Rs 0 ~	9909	119	10028	0.610229	1.00357	1643317		
18	Rajasthan	AJMER	Bhagirath	1	BJP	Lotus	MALE	0	64	GENERAL	12th Pass	Rs 8,51,01	Rs 83,19,9	811091	3985	815076	43.43954	64.52235	1876346		
19	Rajasthan	AJMER	Riju Jhunj	0	INC	Hand	MALE	0	40	GENERAL	Graduate	Rs 85,39,9	Rs 30,60,1	397420	1232	398652	21.24619	31.55775	1876346		
20	Rajasthan	AJMER	Durga Lal	0	BSP	Elephant	MALE	0	60	SC	Post Grad	Rs 4,17,40	Rs 8,90,00	13547	71	13618	0.725772	1.078016	1876346		
21	Rajasthan	AJMER	Vishram B	0	APoI	Coat	MALE	0	60	SC	Post Grad	Rs 2,57,92	Rs 2,68,70	13036	5	13041	0.695021	1.03234	1876346		
22	Uttar Prad	AKBARPUI	Devendra	1	BJP	Lotus	MALE	0	64	GENERAL	10th Pass	Rs 2,85,46	Rs 5,59,96	577603	3679	581282	32.91292	56.62023	1766121		
23	Uttar Prad	AKBARPUI	Nisha Sach	0	BSP	Elephant	FEMALE	0	46	GENERAL	Post Grad	Rs 13,44,4	Rs 1,36,19	304553	1587	306140	17.33403	29.81981	1766121		
24	Uttar Prad	AKBARPUI	Rajaram P	0	INC	Hand	MALE	1	58	GENERAL	Graduate	Rs 1,90,97	Rs 86,00,0	107592	749	108341	6.134404	10.55304	1766121		

Worksheet



## LOK SABHA ANALYSIS 2019

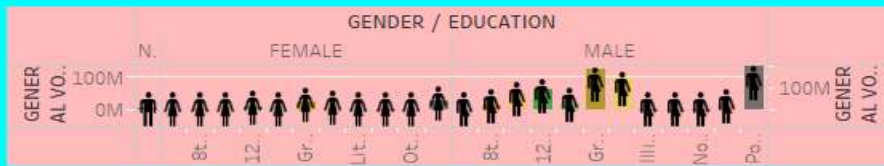
### 1.TOTAL WINNERS

**Total winners**  
539

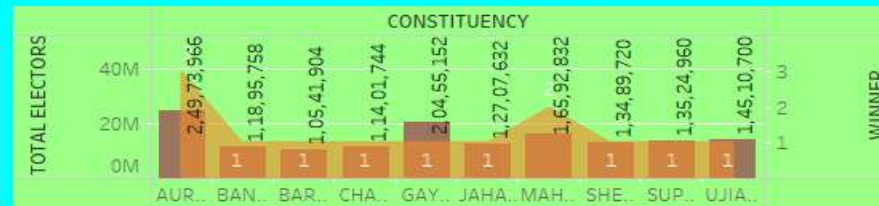
### 2.TOTAL CRIMINAL CASES

**Total Criminal Cases**  
2,018

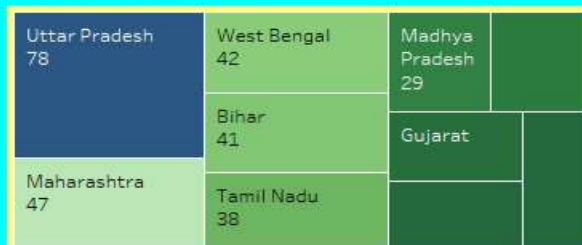
### 3.GENERAL VOTES DIVIDED BY EDUCATION QUALIFICATION & GENDER



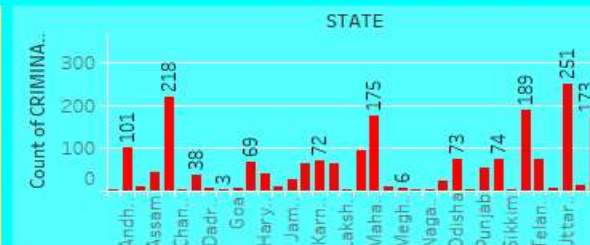
### 7.CONSTITUENCY BY TOTAL ELECTORS



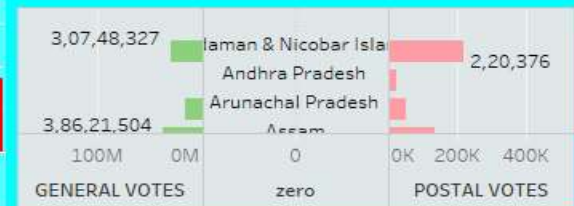
### 4.TOP 10 STATES



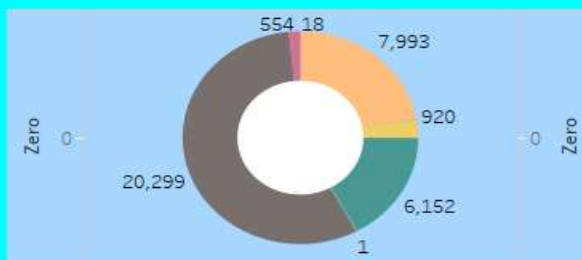
### 6.CRIMINAL CASES BY STATE WISE



### 5.TOTAL POSTAL VOTES AND GENERAL VOTES BY STATE WISE



### 10.PARTY WIN IN TOTAL CONSTITUENCY



### 9.WINNERS BY CATEGORY BY EDUCATIONAL QUALIFICATION

CATEGORY	EDUCATION				
	Null	5th Pass	8th Pass	10th Pass	12th Pass
GENERAL	0	2	8	35	4
SC		1	3	8	1
ST		1	1	2	1

### 8.TOP TEN WINNERS BY PARTY WISE





Total winners  
539

Total Criminal Cases  
2,018

### 3. GENERAL VOTES DIVIDED BY EDUCATION QUALIFICATION & GENDER



Sum of GENERAL VOTES and sum of GENERAL VOTES for each EDUCATION broken down by GENDER. For pane Sum of GENERAL VOTES: Color shows details about EDUCATION. For pane Sum of GENERAL VOTES (2): Shape shows details about GENDER.

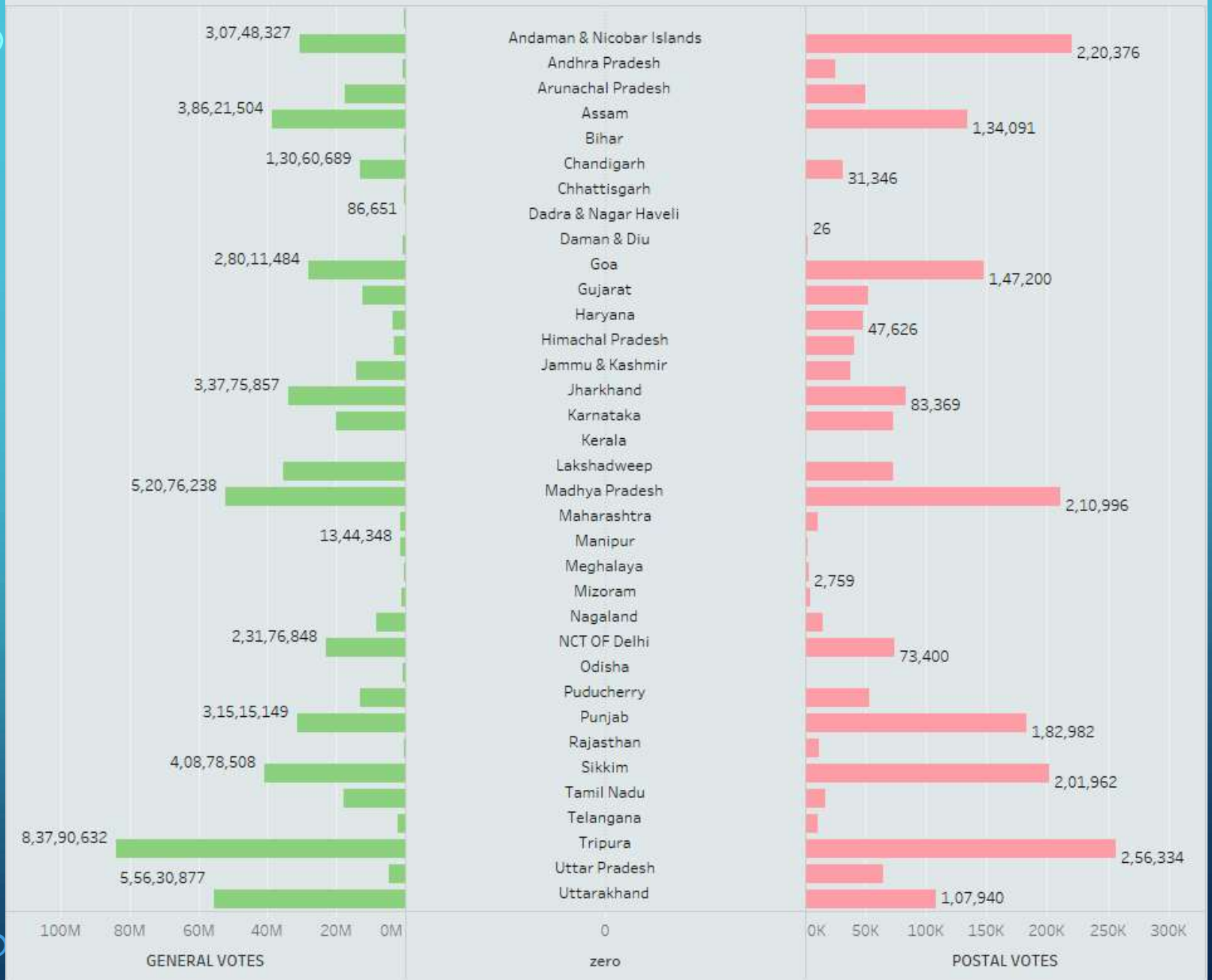
4.TOP 10 STATES



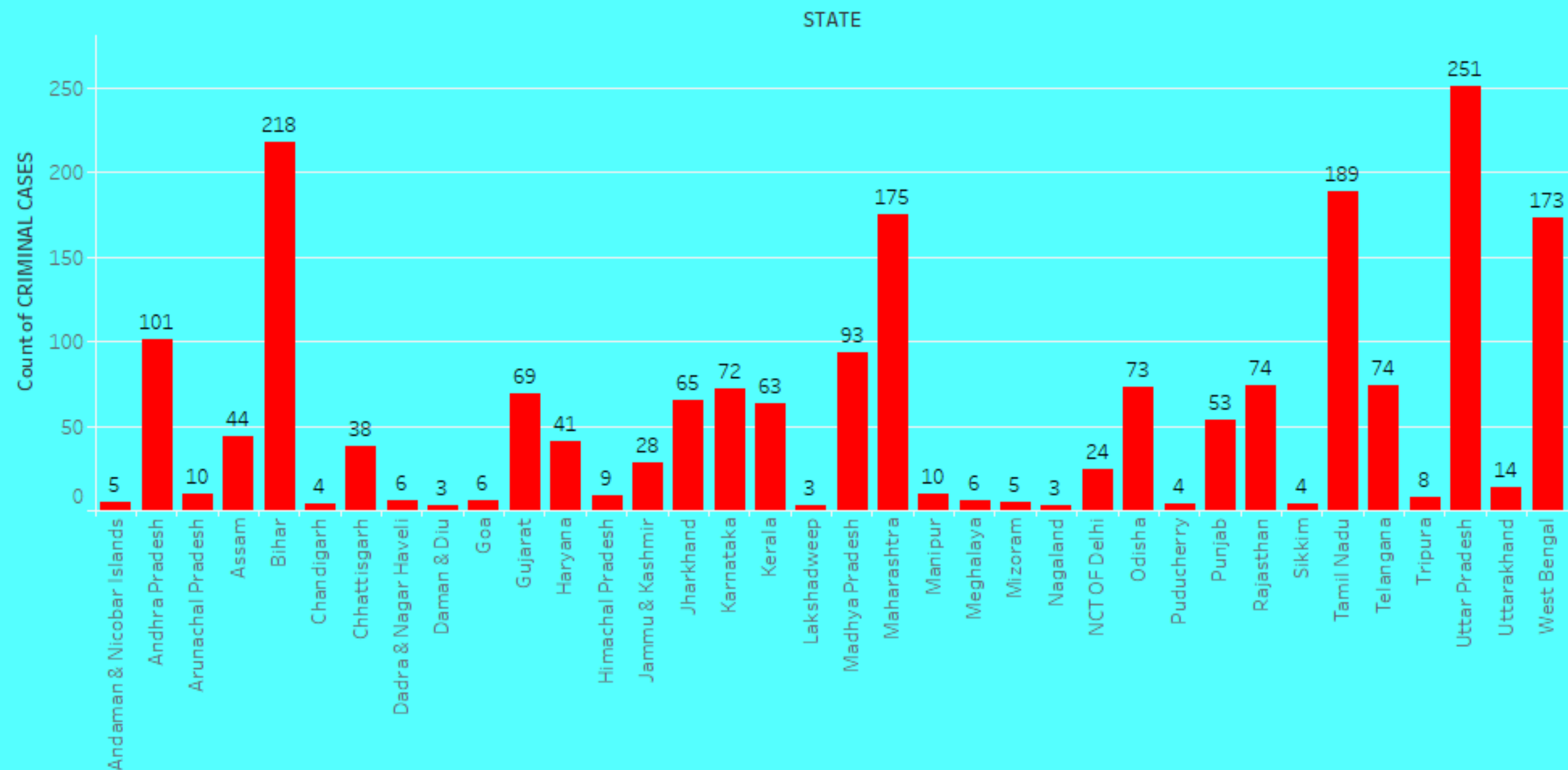
STATE and sum of WINNER. Color shows sum of WINNER. Size shows sum of WINNER. The marks are labeled by STATE and sum of WINNER. The view is filtered on STATE, which keeps 10 of 36 members.



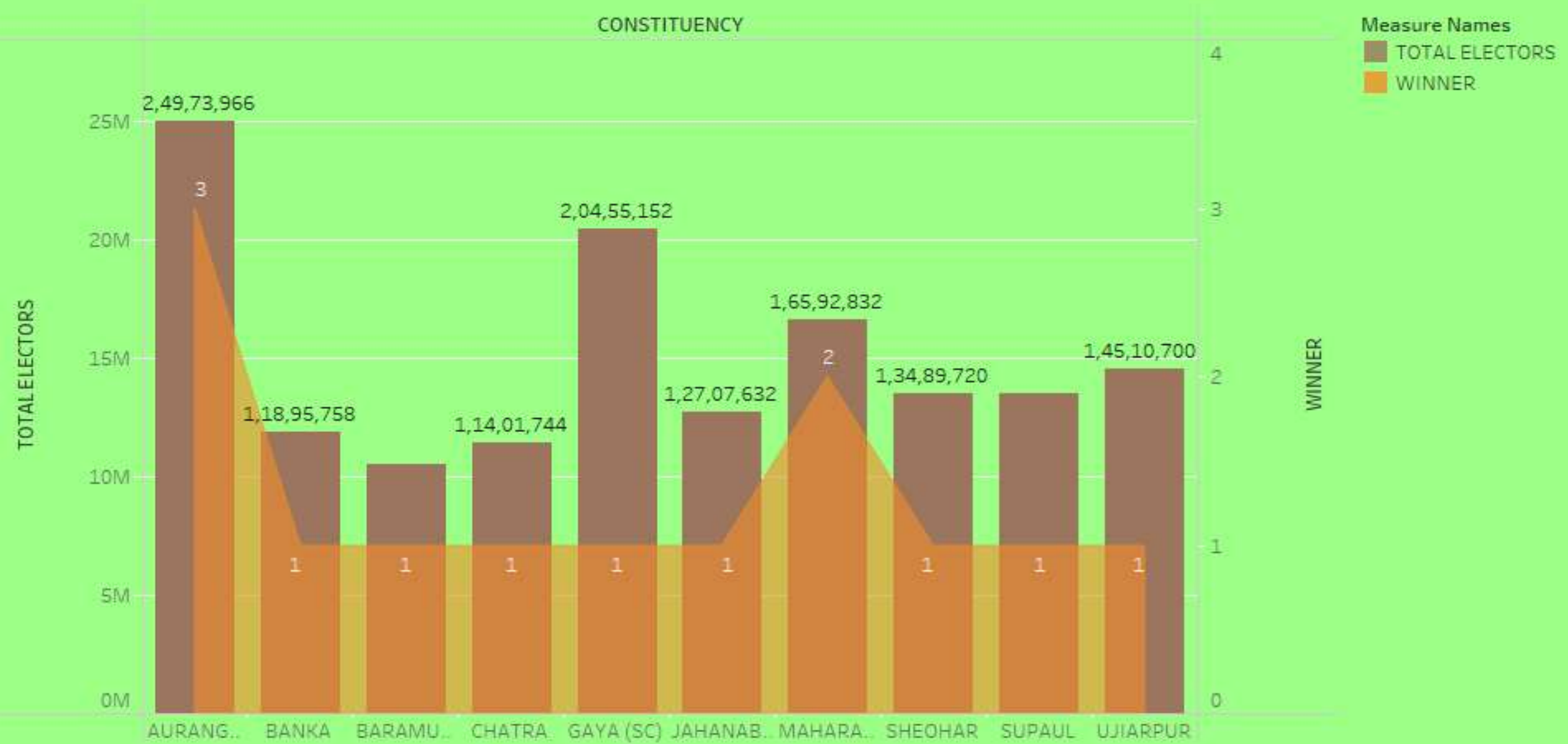
5.TOTAL POSTAL VOTES AND GENERAL VOTES BY STATE WISE



Sum of GENERAL VOTES, zero (Parameters) and sum of POSTAL VOTES for each STATE. For pane Sum of GENERAL VOTES: The marks are labeled by sum of GENERAL VOTES. For pane Sum of POSTAL VOTES: The marks are labeled by sum of POSTAL VOTES.



# 7.CONSTITUENCY BY TOTAL ELECTORS



TOTAL ELECTORS and WINNER for each CONSTITUENCY. Color shows details about TOTAL ELECTORS and WINNER. For pane Sum of WINNER: The marks are labeled by WINNER. For pane Sum of TOTAL ELECTORS: The marks are labeled by TOTAL ELECTORS. The view is filtered on CONSTITUENCY, which has multiple members selected.

# 8.TOP TEN WINNERS BY PARTY WISE



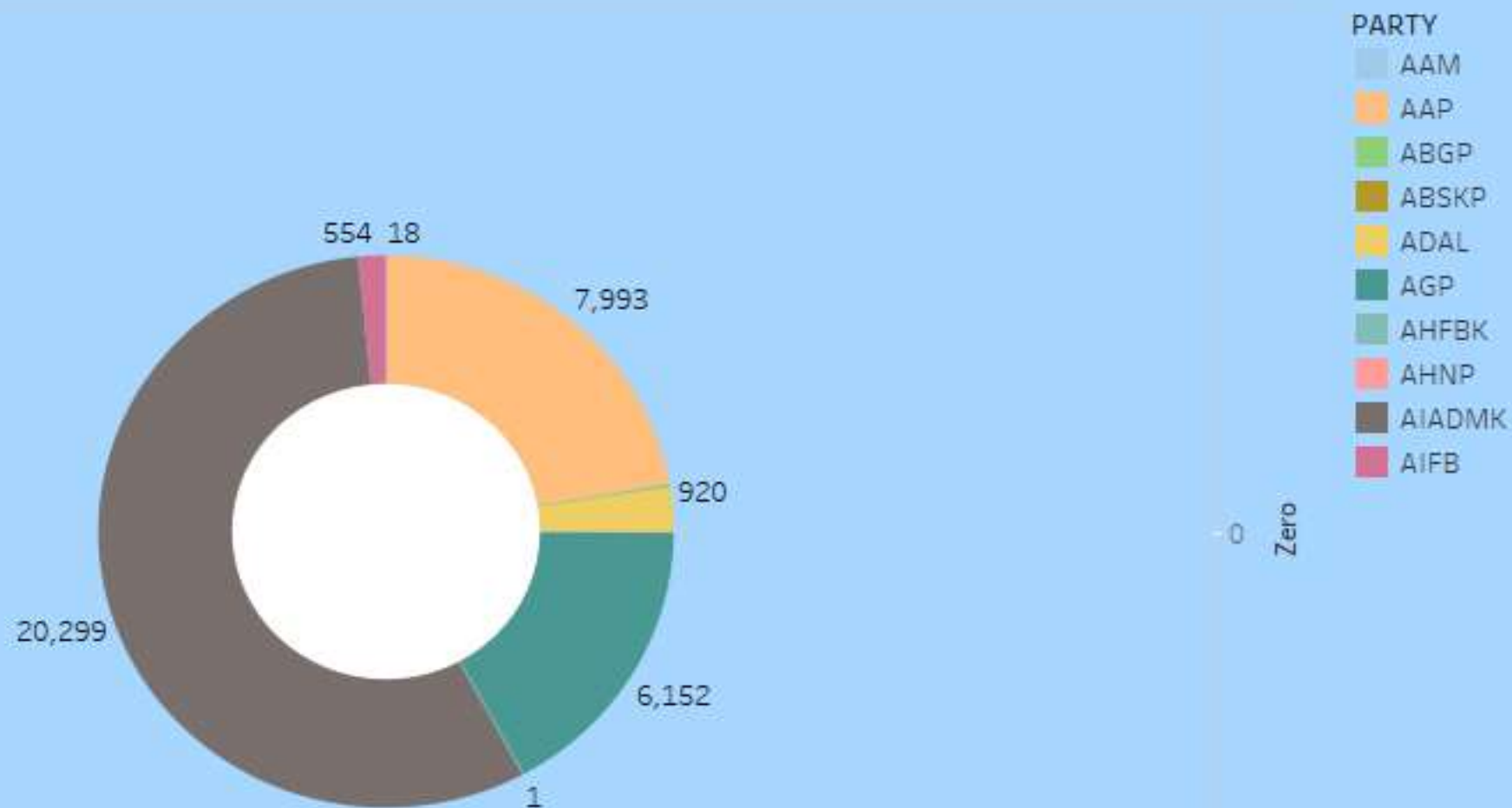
PARTY and sum of WINNER. Color shows details about PARTY. Size shows Top n (Parameters). The marks are labeled by PARTY and sum of WINNER. The view is filtered on PARTY, which has multiple members selected.



# 9.WINNERS BY CATEGORY BY EDUCATIONAL QUALIFICATION

CATEGORY	EDUCATION												
	Null	5th Pass	8th Pass	10th Pass	12th Pass	Doctora..	Gradua..	Graduat e Profe..	Illiterate	Literate	Not Available	Others	Post Gra duate
Null	0												
GENERAL		2	8	35	49	17	103	73	1	1	0	14	96
SC		1	3	8	10	6	18	12	0	1	0	1	25
ST		1	1	2	10	0	11	14	0	0		2	14

Sum of WINNER broken down by EDUCATION vs. CATEGORY.



Sum of Zero and sum of Zero. For pane Sum of Zero: Color shows details about PARTY. The marks are labeled by sum of POSTAL VOTES. The view is filtered on PARTY, which has multiple members selected.



Story Layout

New story point

Blank Duplicate

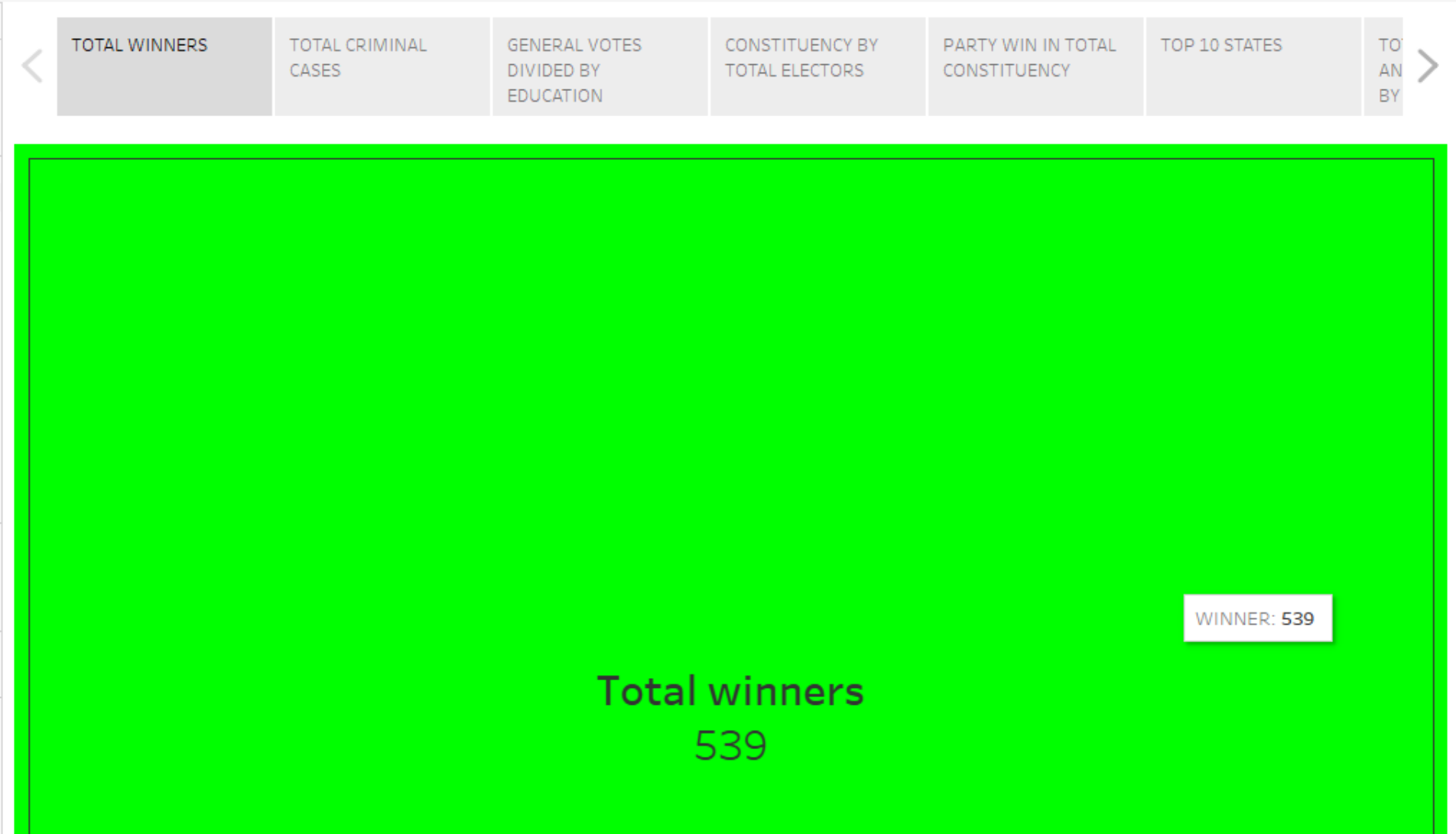
- 1.TOTAL ...
- 2.TOTAL ...
- 3.GENERAL ...
- 4.TOP 10 STATES
- 5.TOTAL POST...
- 6.CRIMINAL ...
- 7.CONSTITUEN...
- 8.TOP TEN ...
- 9.WINNERS BY ...
- 10.PARTY WIN I...
- Dashboard

A Drag to add text

☒ Show title

Size

Story (1016 x 964)



# MY DASHBOARD LINK :

<https://public.tableau.com/app/profile/lingeshwaran.p/viz/2019LoksabhaelectionAnalysis/2019electionanalytics?publish=yes>

# MY STORY LINK :

<https://public.tableau.com/app/profile/lingeshwaran.p/viz/story2019lokSabhaelection/Story?publish=yes>



# Conclusion:

Tableau is an excellent program to simplify all your data visualization activities and provide better and more accurate analysis if you've ever tried data visualization and found it tough to grasp or too complex.

The image features the words "THANK YOU" in a large, bold, 3D golden font. The letters are positioned centrally and appear to be floating or resting on a dark blue background. Behind the text, there are dynamic, wavy blue lines that create a sense of motion and depth. The overall composition is visually striking due to the contrast between the bright gold and the deep blue.

**THANK YOU**