Lok Sabha elections analysis

Agenda





- Analysis
- Observations
- Recommendations

Problem statement

- Peter, a data analyst at AtliQ Media, is tasked with generating meaningful and unbiased insights from the 2014 and 2019 Lok Sabha election data.
- The focus should be on presenting less explored themes, such as voter turnout percentages and other relevant trends, without engaging in debates about potential election outcomes.

Terminology



Voter	Turnover	Ratio

The percentage of people who show up to cast their ballot in an election is voter turnout. When voter turnout is high, democracies work better.

Margin Difference

Is the difference between two amounts, especially the difference in the number of votes or points between the winner and the loser in an election or other contest.

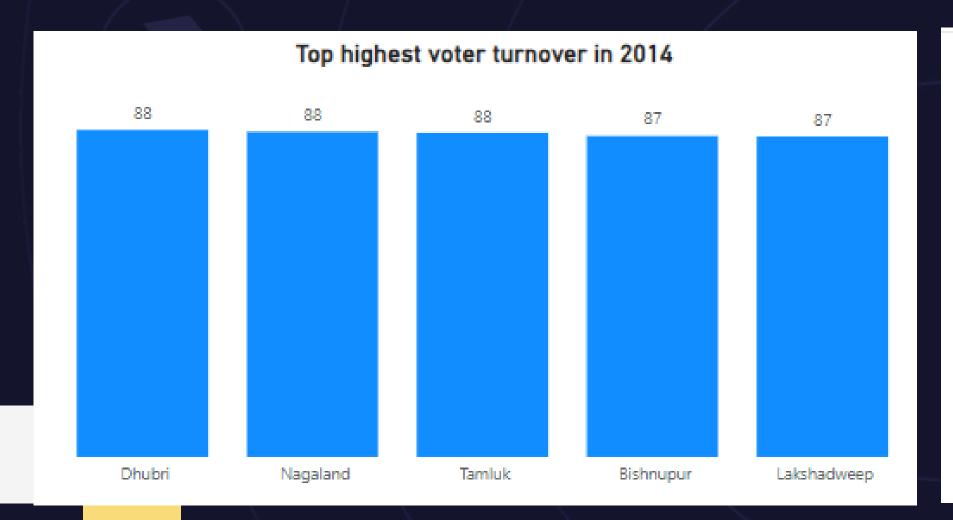
NOTA

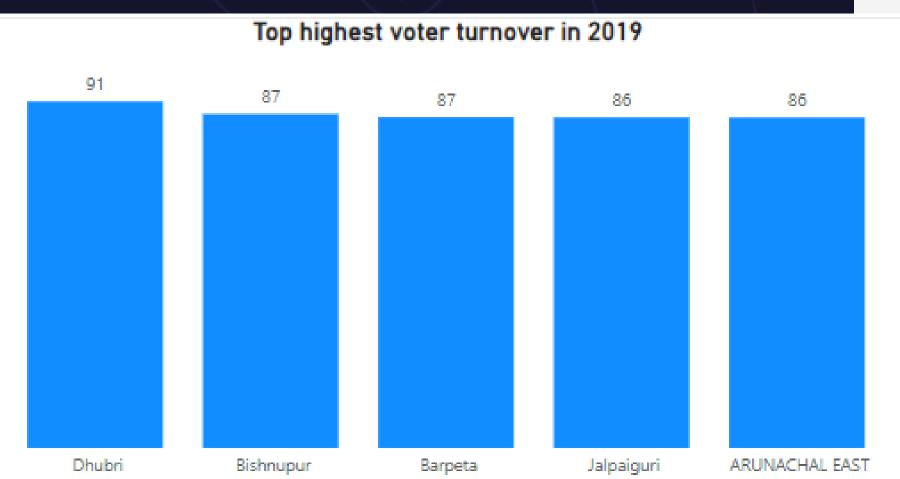
The "None of the Above" (NOTA) option allows voters to formally express their rejection of all running candidates. Selecting NOTA as a voting option signifies that the voter has not selected any party to support. If NOTA votes get the most number of votes in a constituency, the next candidate with the second-most number of votes is declared the winner.

Postal Votes/ballots

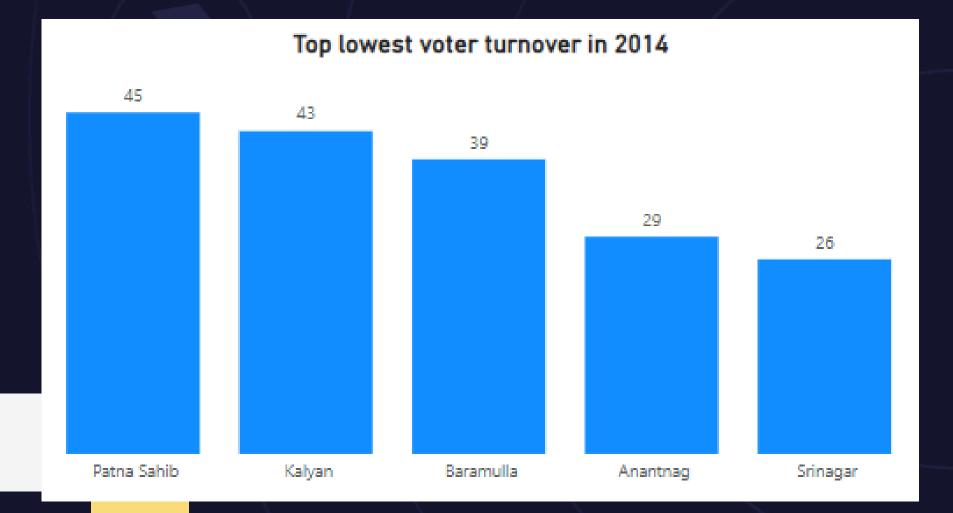
Postal ballots offer a convenient and secure way to cast your vote without having to leave your home. With postal ballots, you can exercise your right to vote easily and safely.

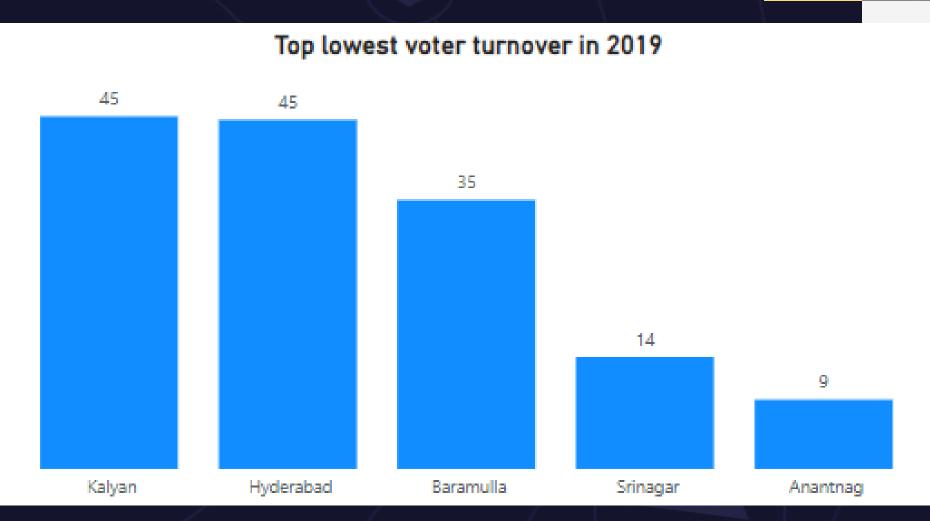
1. List top 5 / bottom 5 constituencies of 2014 and 2019 in terms of voter turnout ratio?



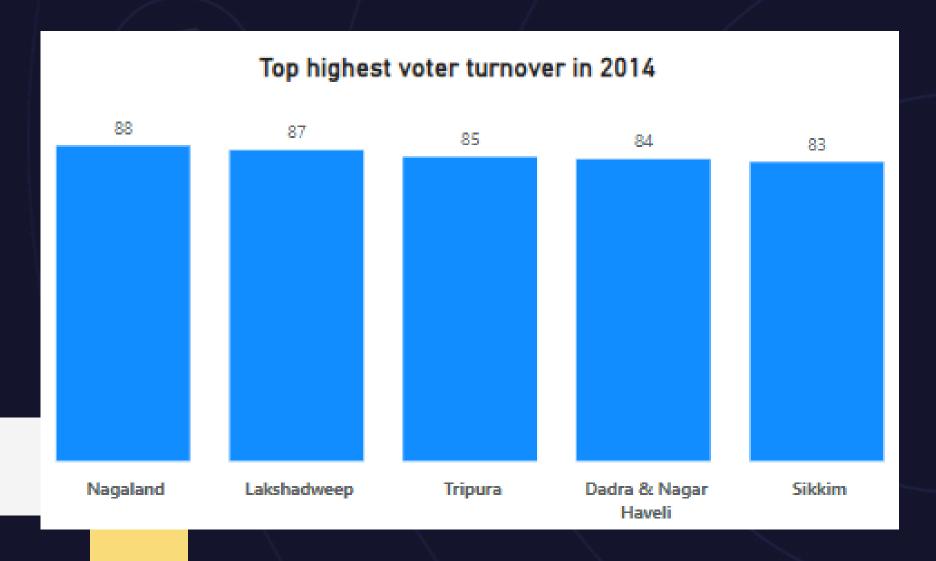


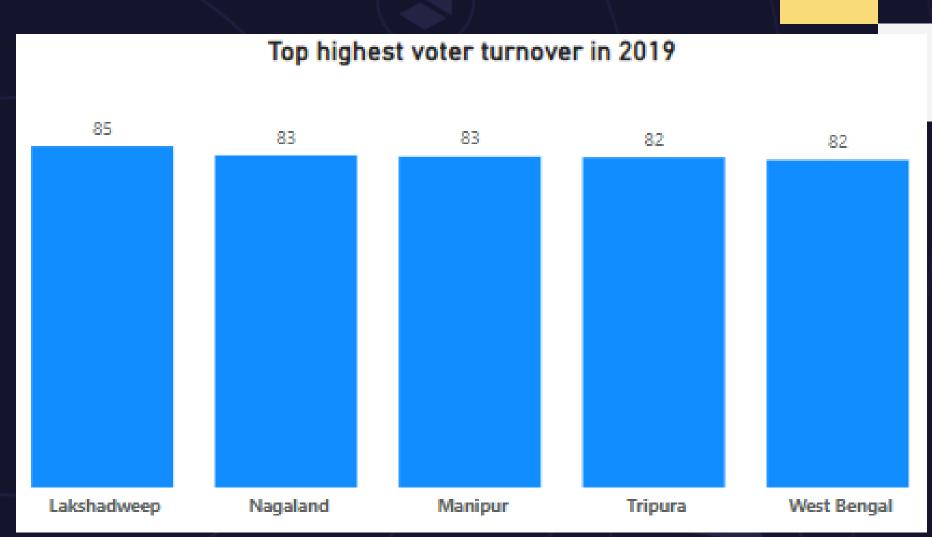


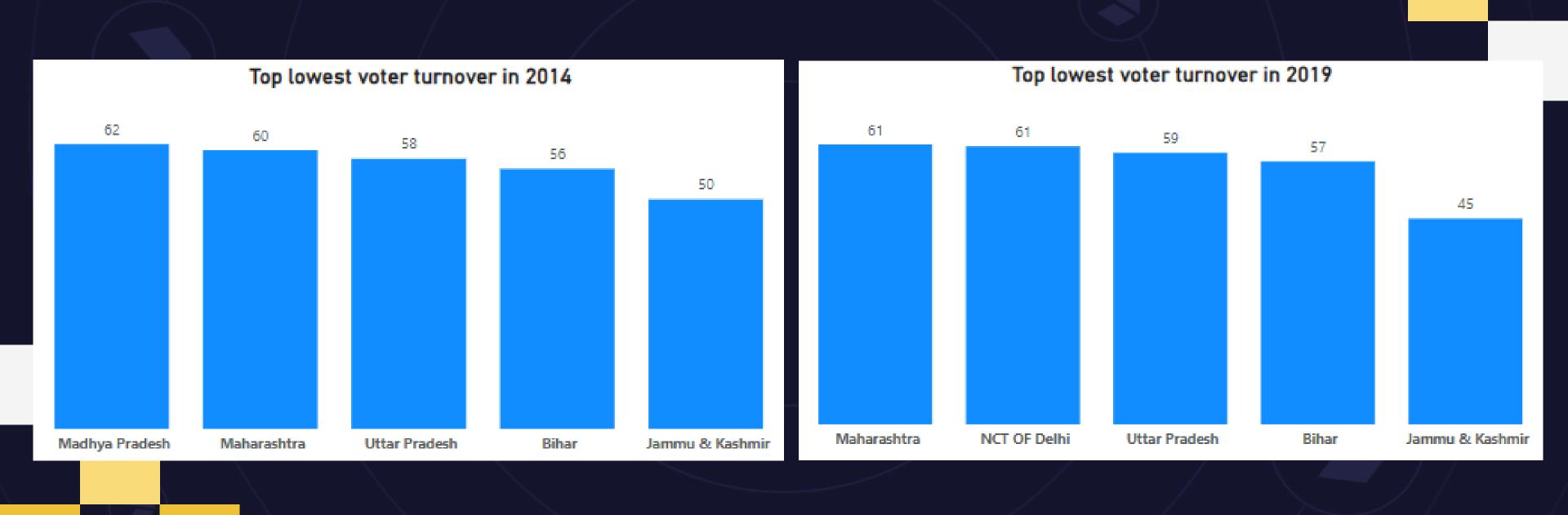




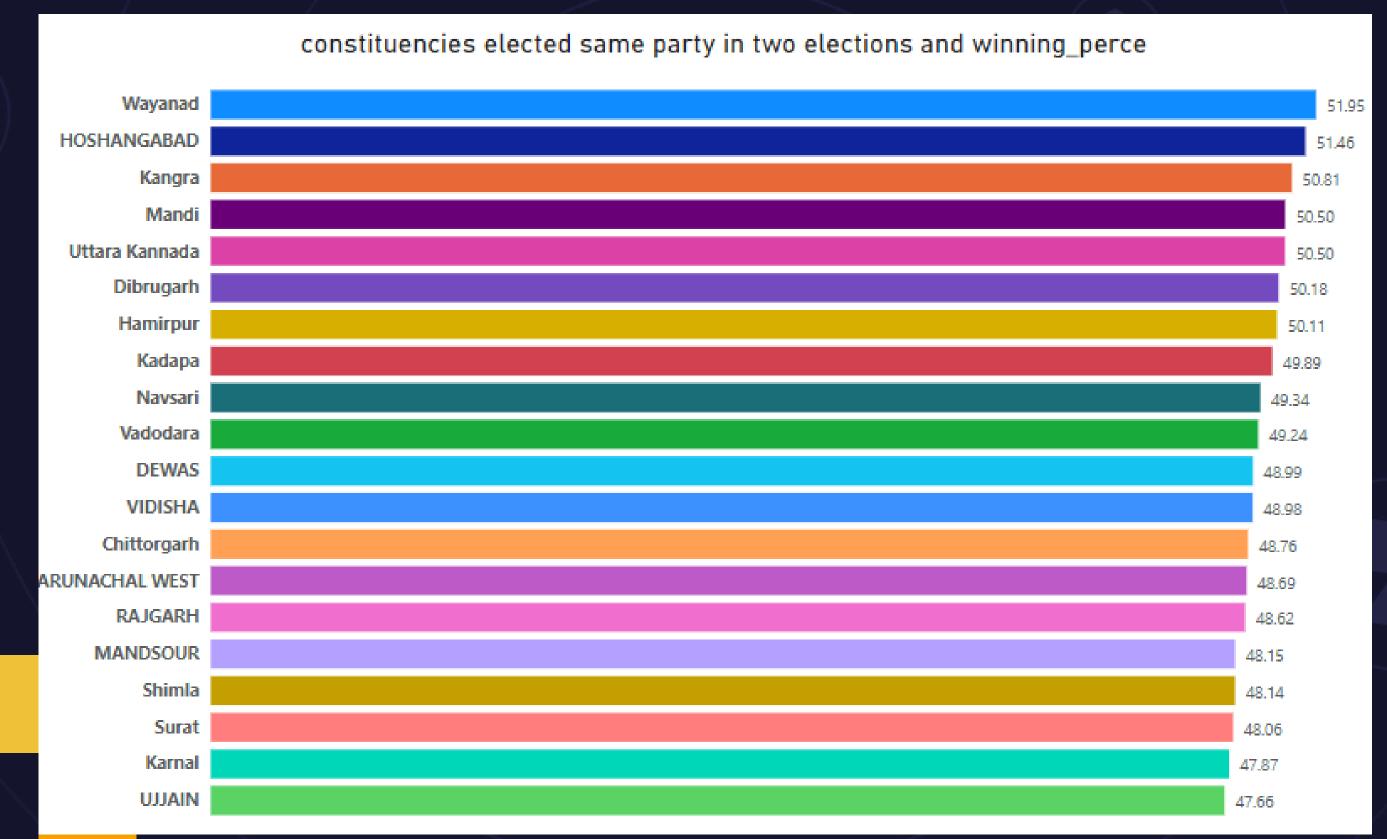
2. List top 5 / bottom 5 states of 2014 and 2019 in terms of voter turnout ratio?



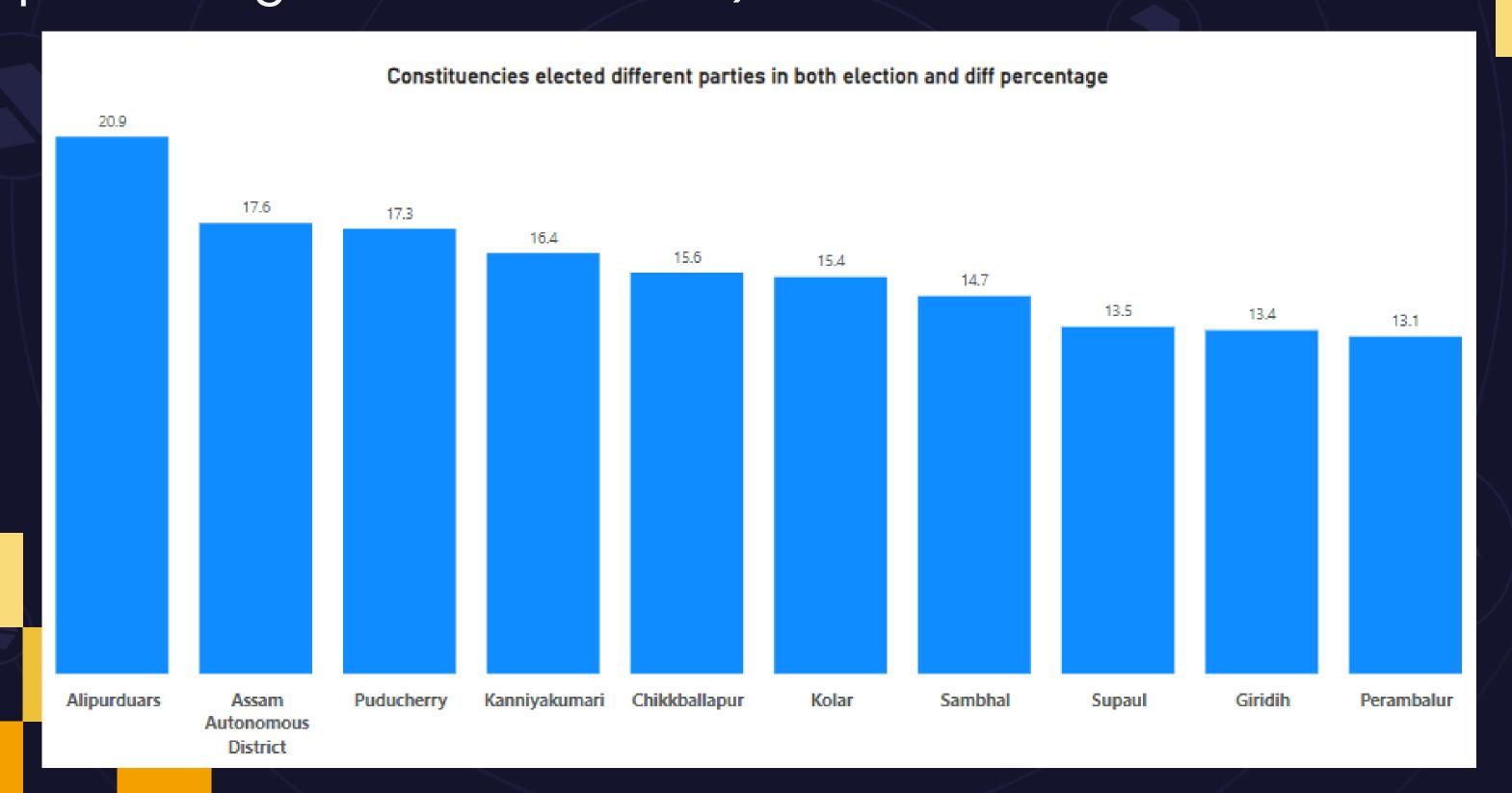




3. Which constituencies have elected the same party for two consecutive elections, rank them by % of votes to that winning party in 2019?



4. Which constituencies have voted for different parties in two elections (list top 10 based on difference (2019-2014) in winner vote percentage in two elections)



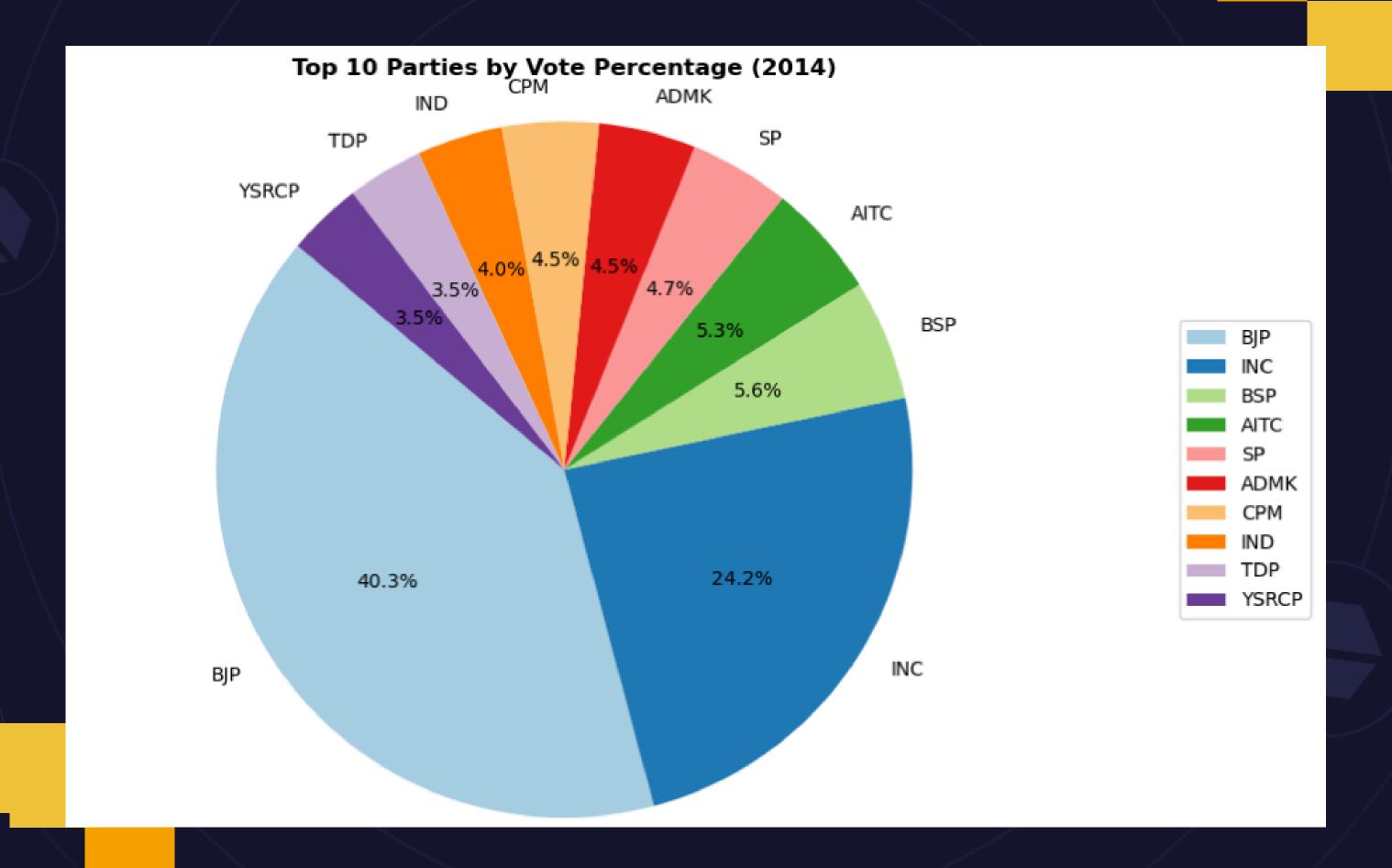
5. Top 5 candidates based on margin difference with runners in 2014 and 2019.

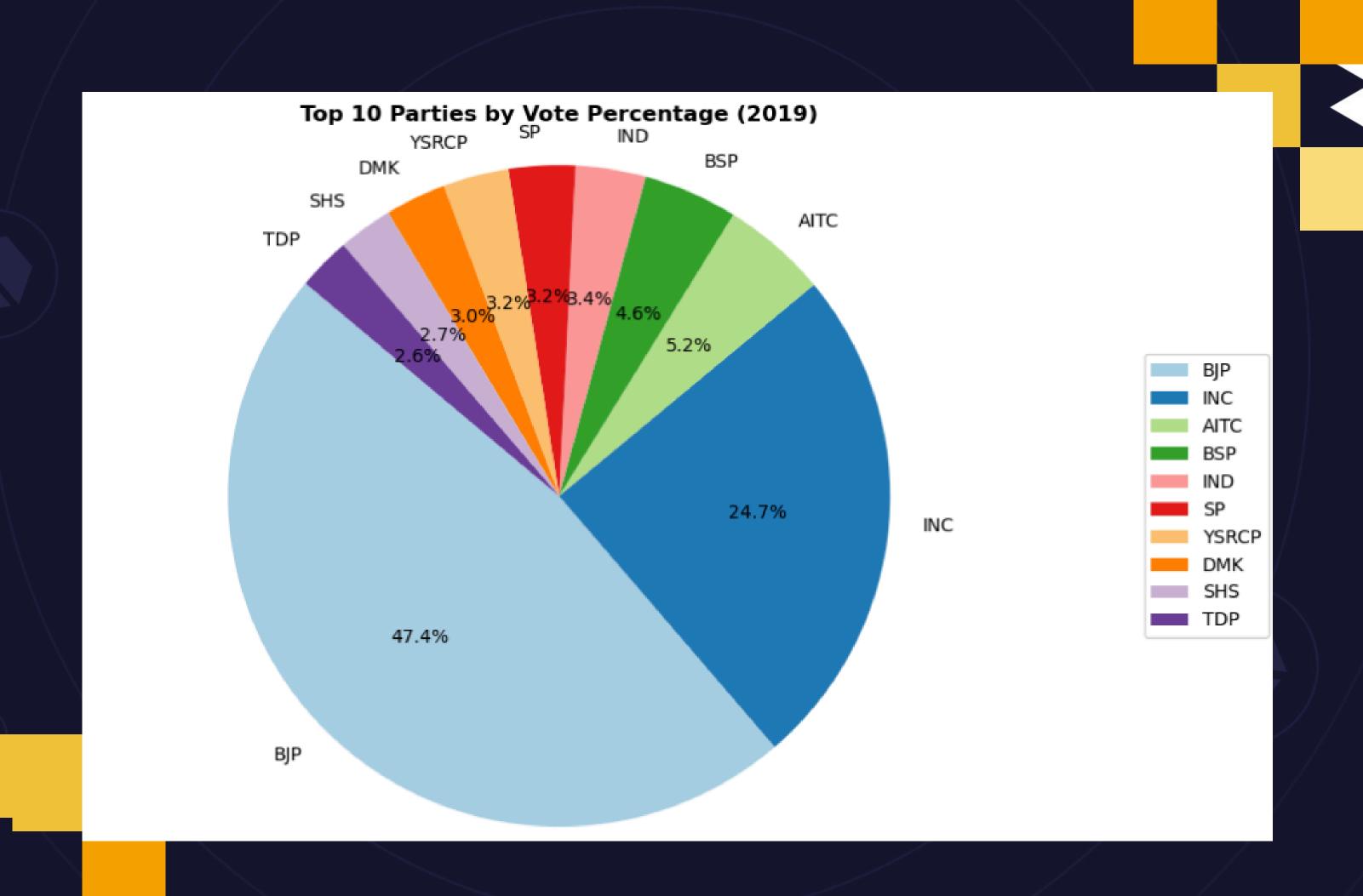
candidate	margin_diff
GHULAM RAZA	0.02
ARAKERA SHIVANAGOUDA NAYAK	0.09
WANKHEDE SUBHASH BAPURAO	0.10
DEEPA DASMUNSI	0.12
TATKARE SUNIL DATTATREY	0.14

Top 5 candidates & margin diff in 2019

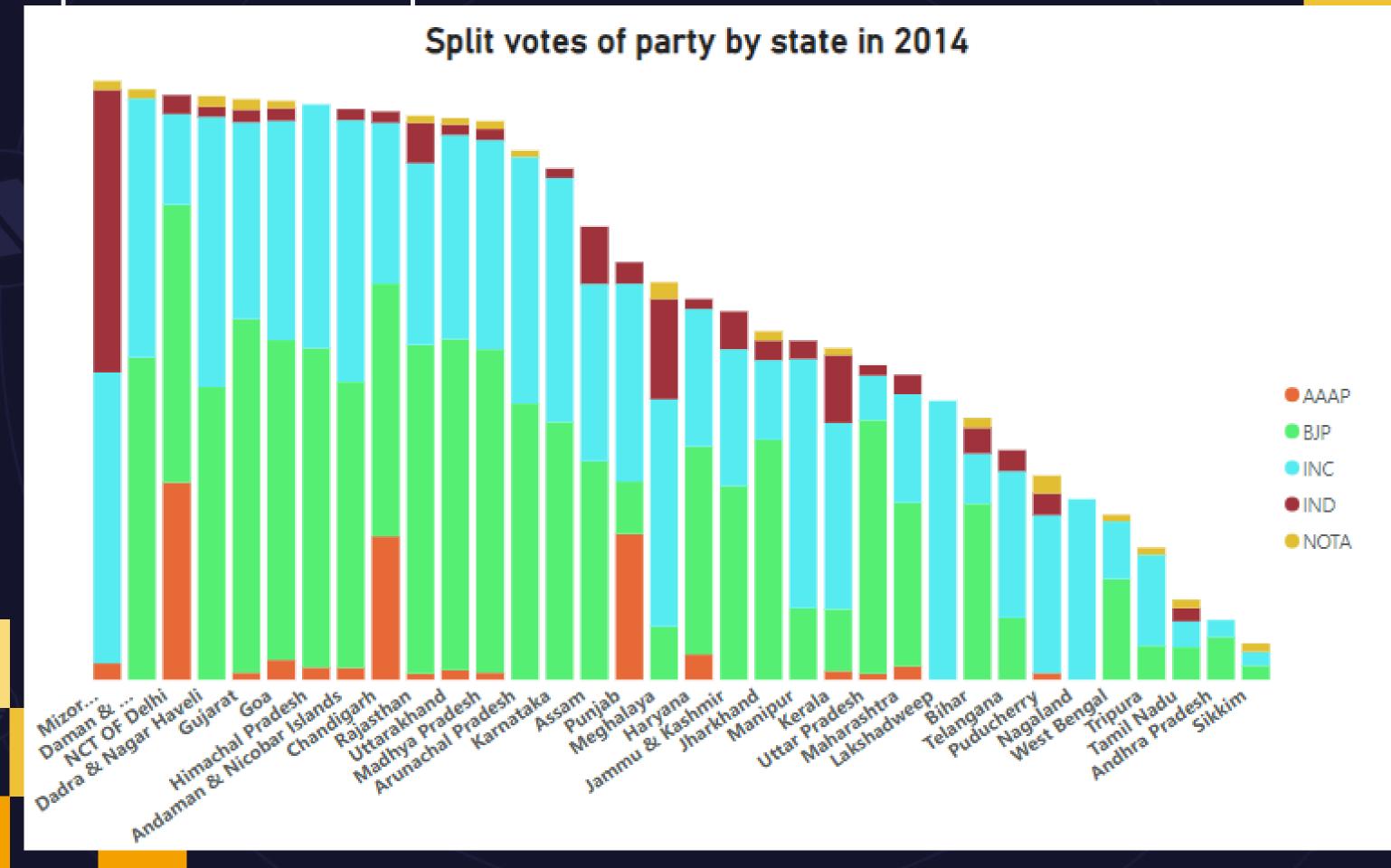
candidate	margin_diff
Tribhuvan Ram (T.Ram)	0.01
TAPAN KUMAR RAY	0.06
R. DHRUVANARAYANA	0.11
SURENDRA PRASAD YADAV	0.11
KALI CHARAN MUNDA	0.12

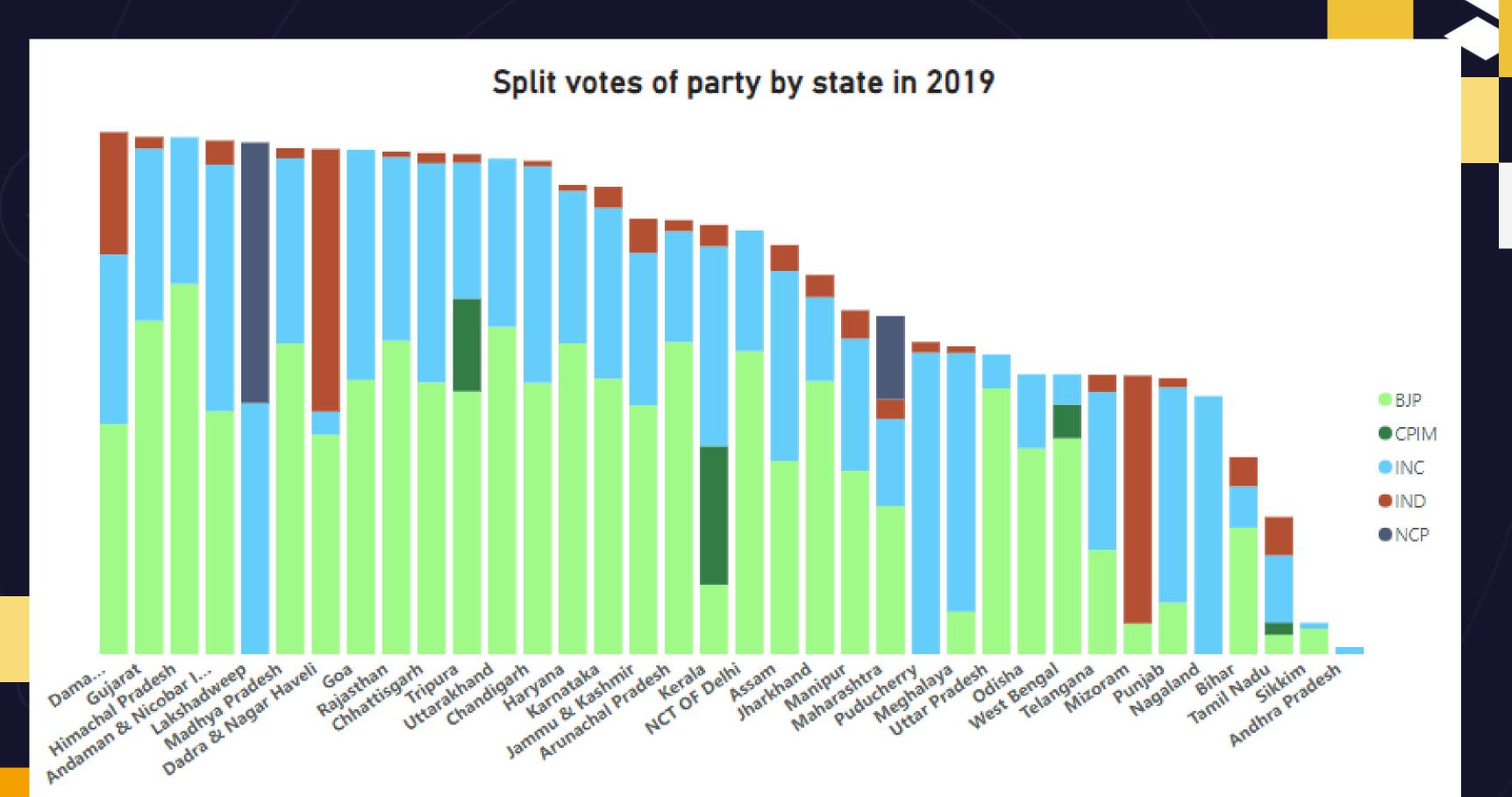
6. % Split of votes of parties between 2014 vs 2019 at national level



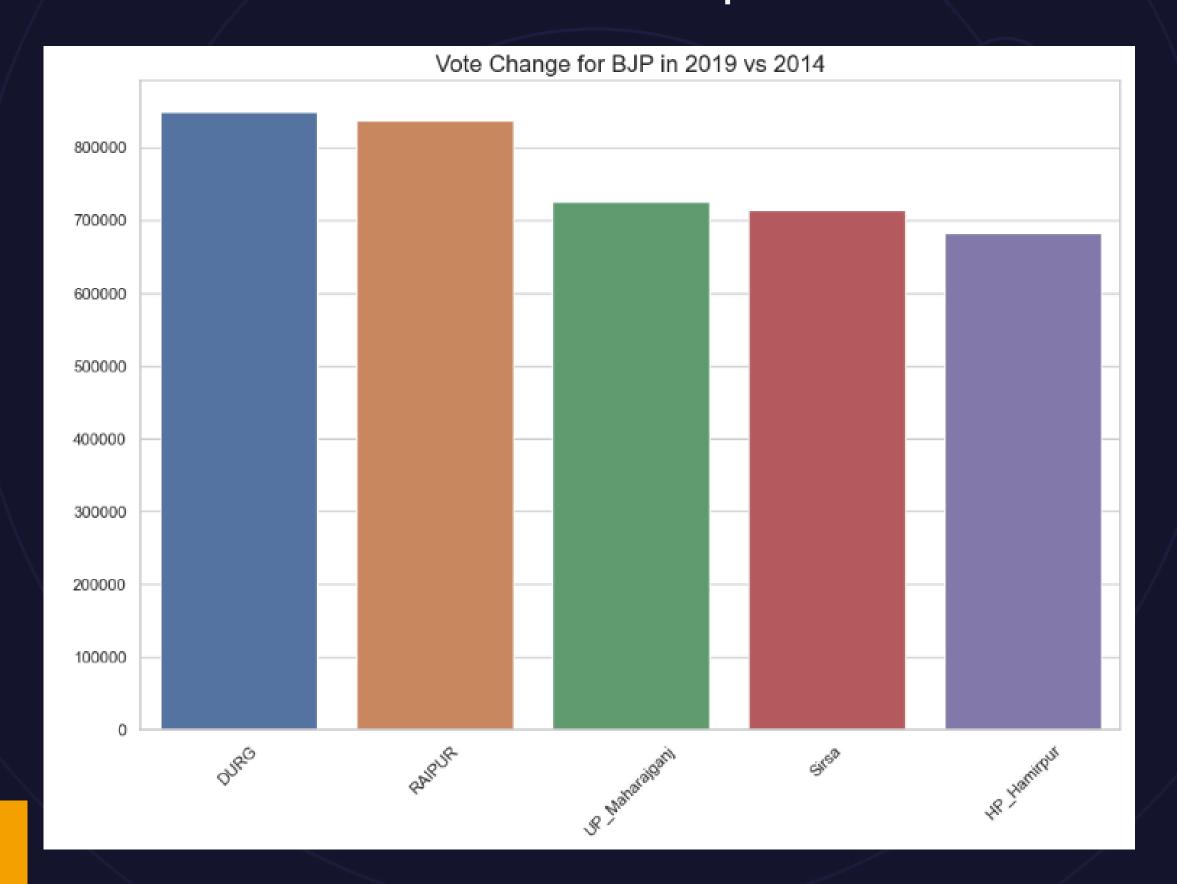


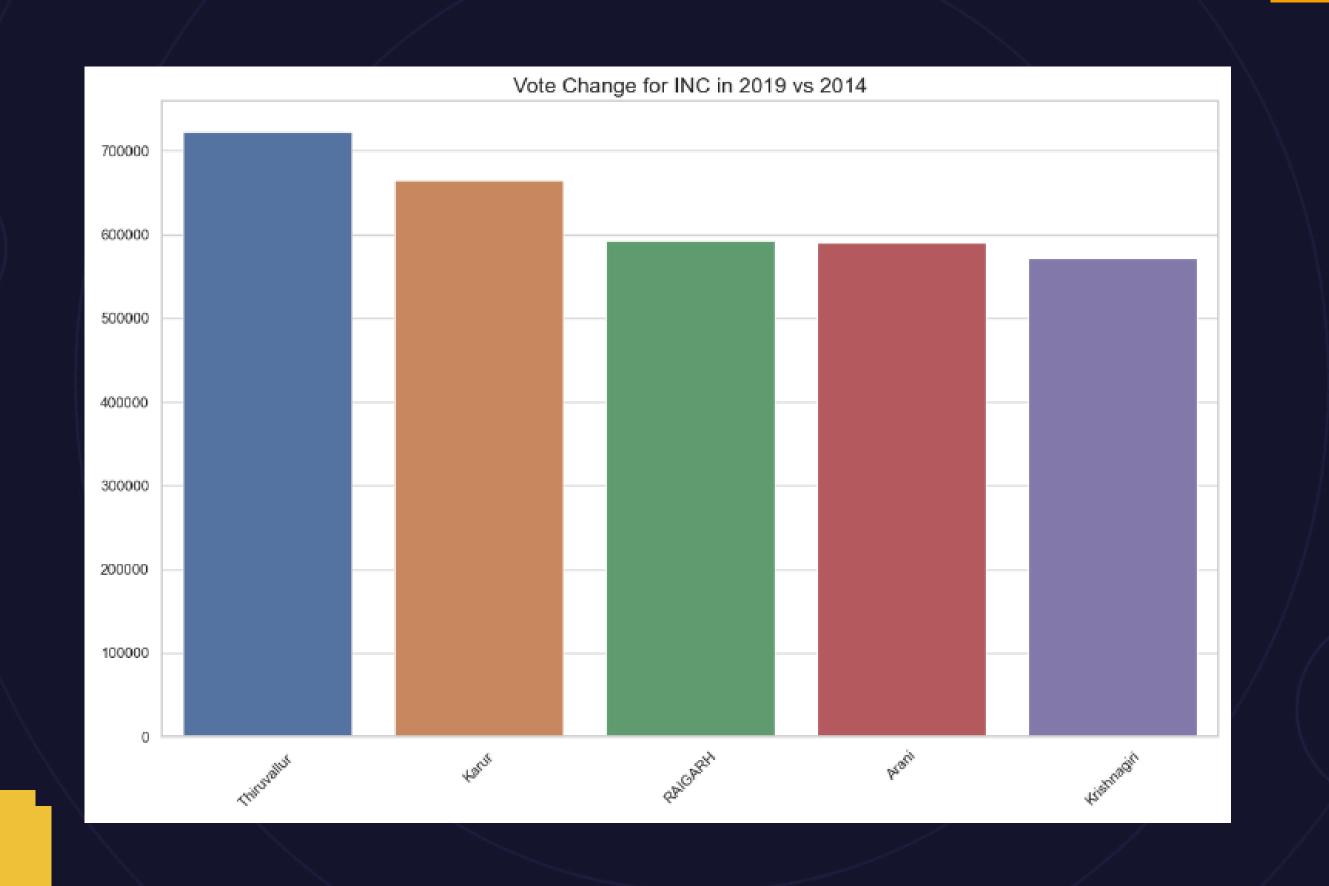
7. % Split of votes of parties between 2014 vs 2019 at state level.



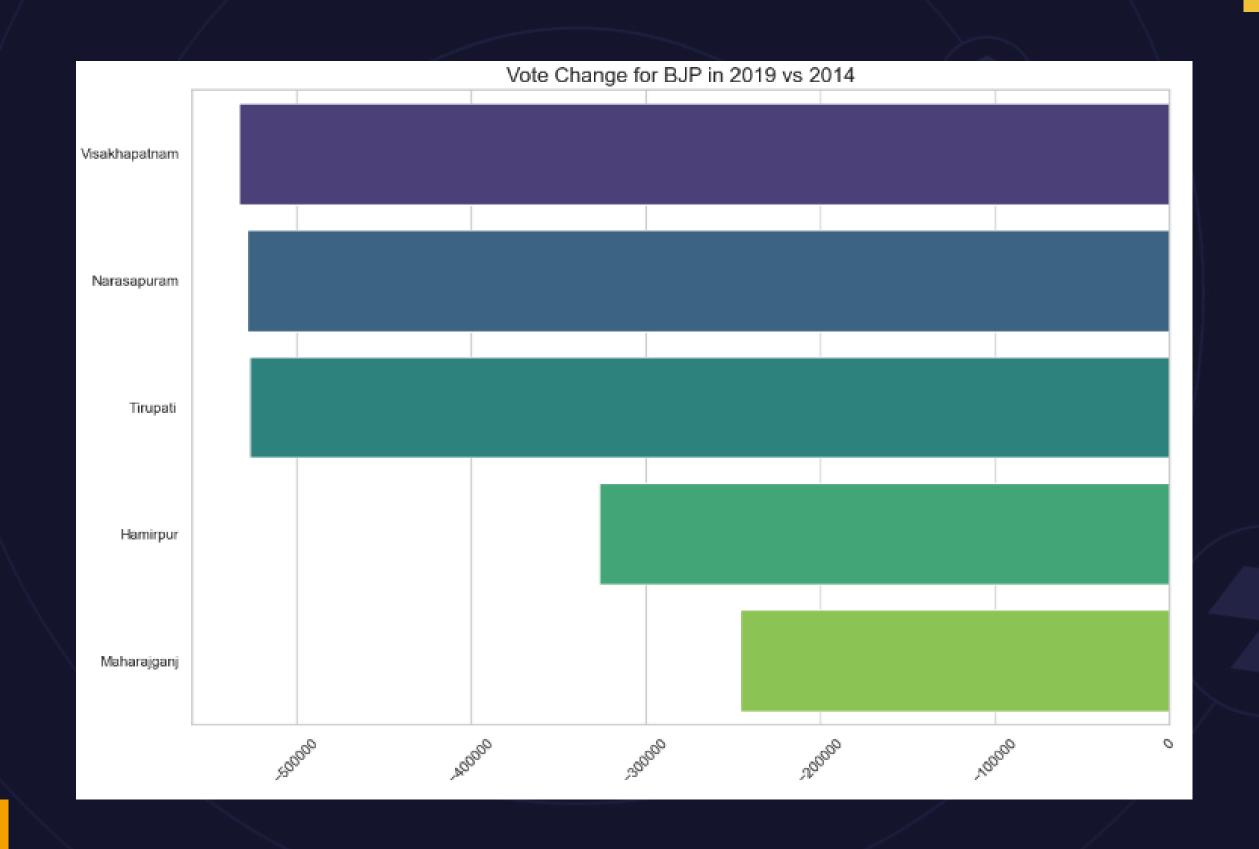


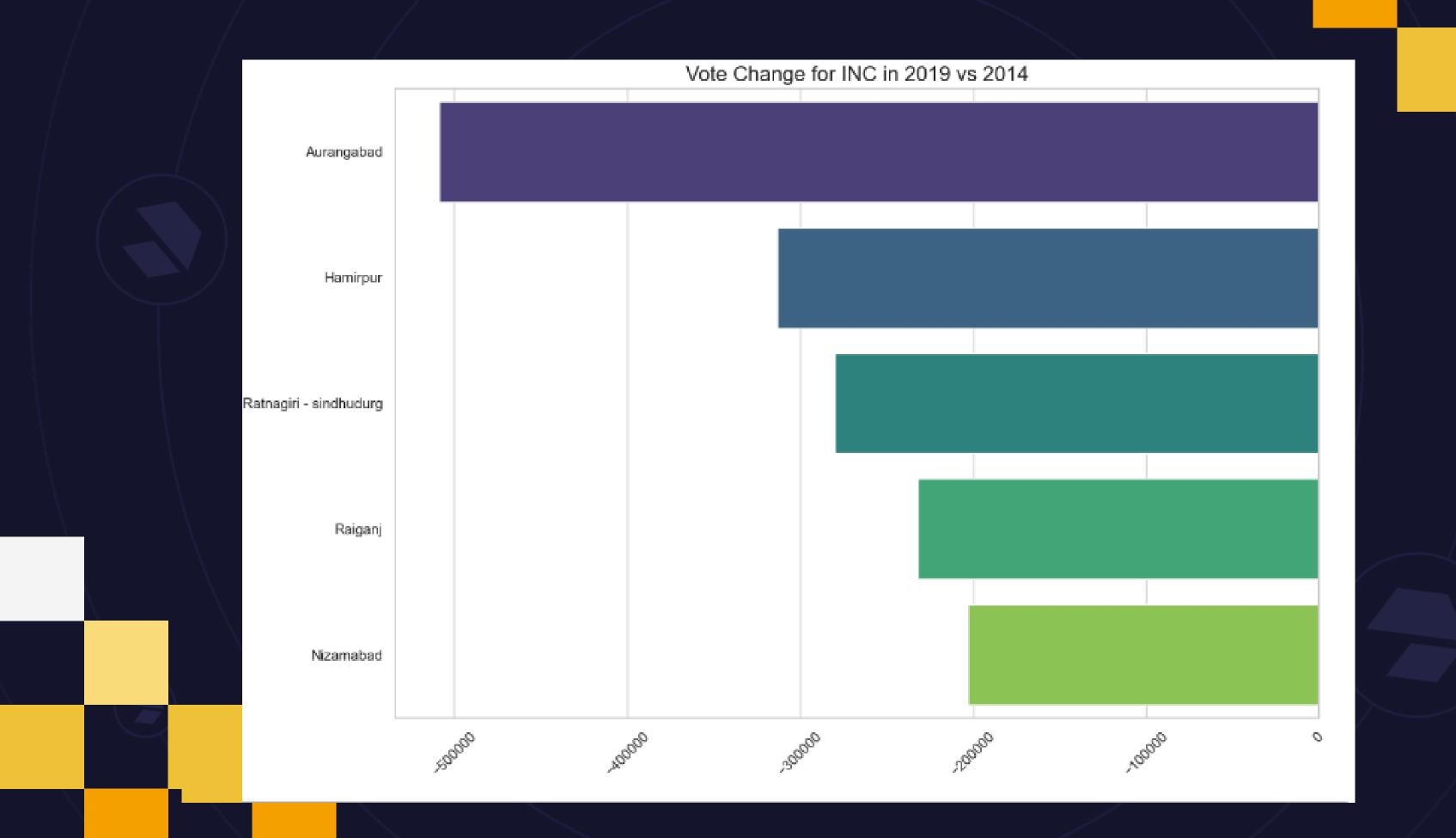
8. List top 5 constituencies for two major national parties where they have gained vote share in 2019 as compared to 2014.



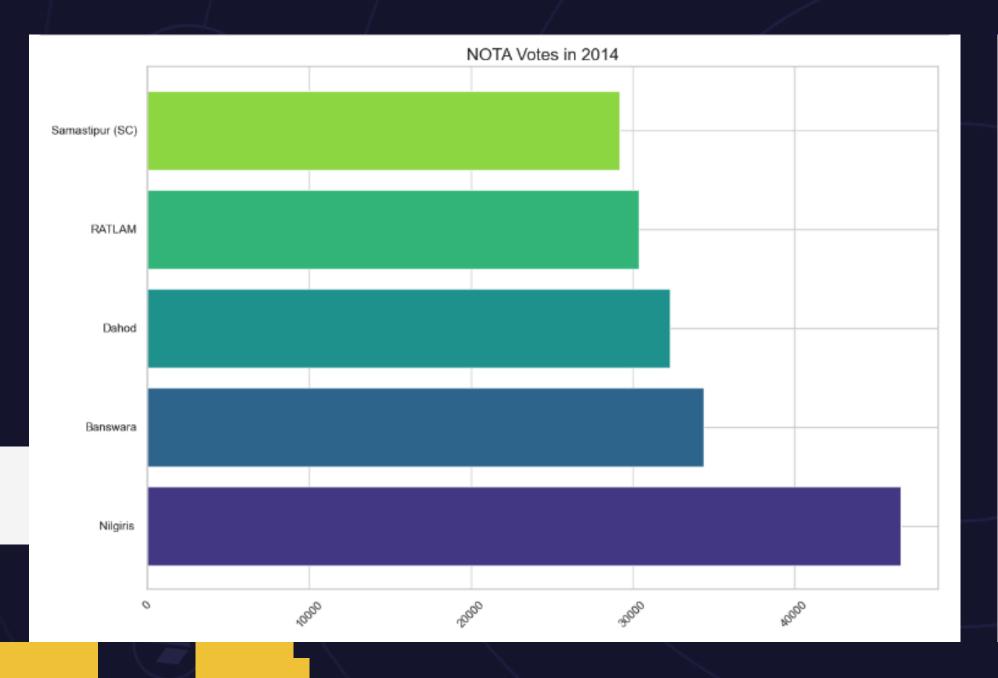


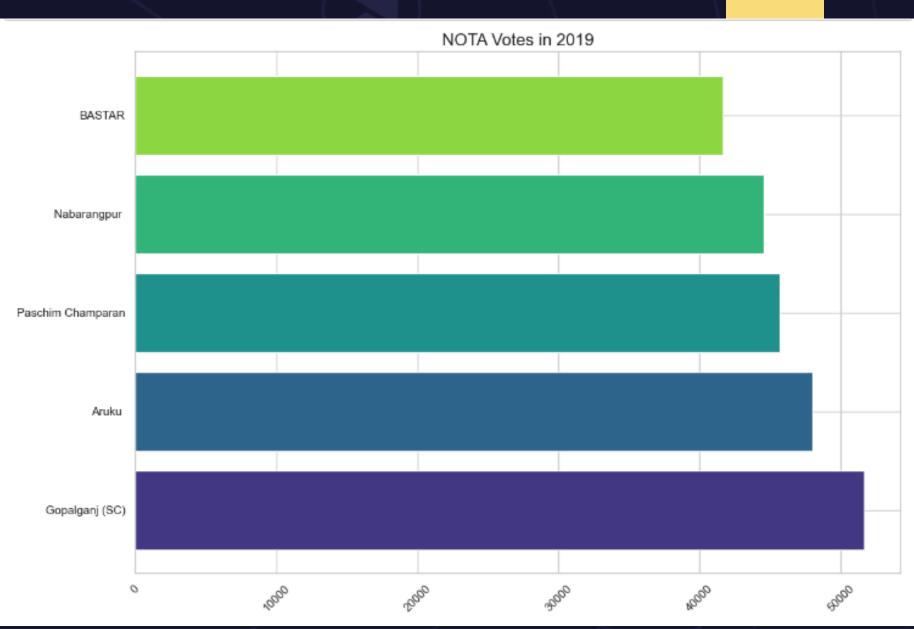
9. List top 5 constituencies for two major national parties where they have lost vote share in 2019 as compared to 2014.





10. Which constituency has voted the most for NOTA?

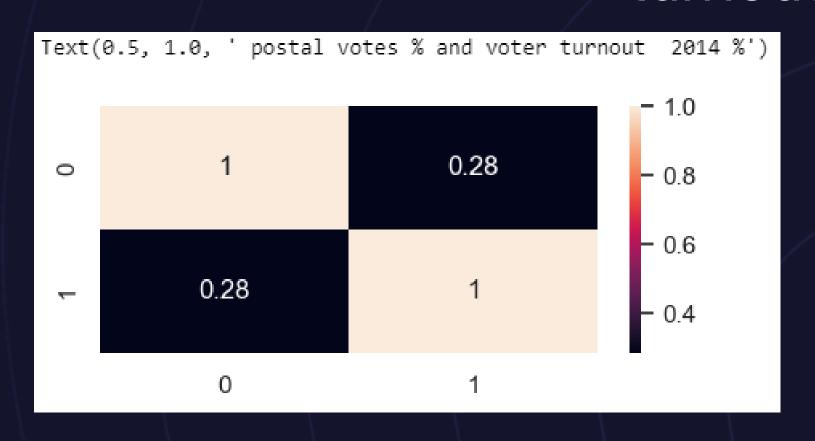


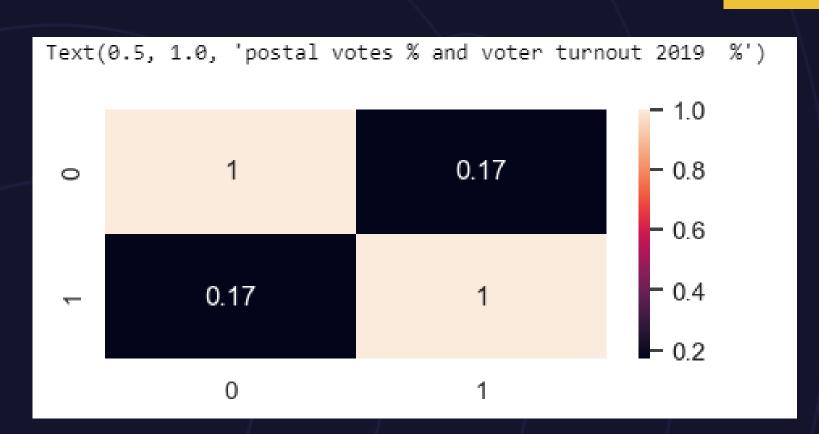


11. Which constituencies have elected candidates whose party has less than 10% vote share at state level in 2019?

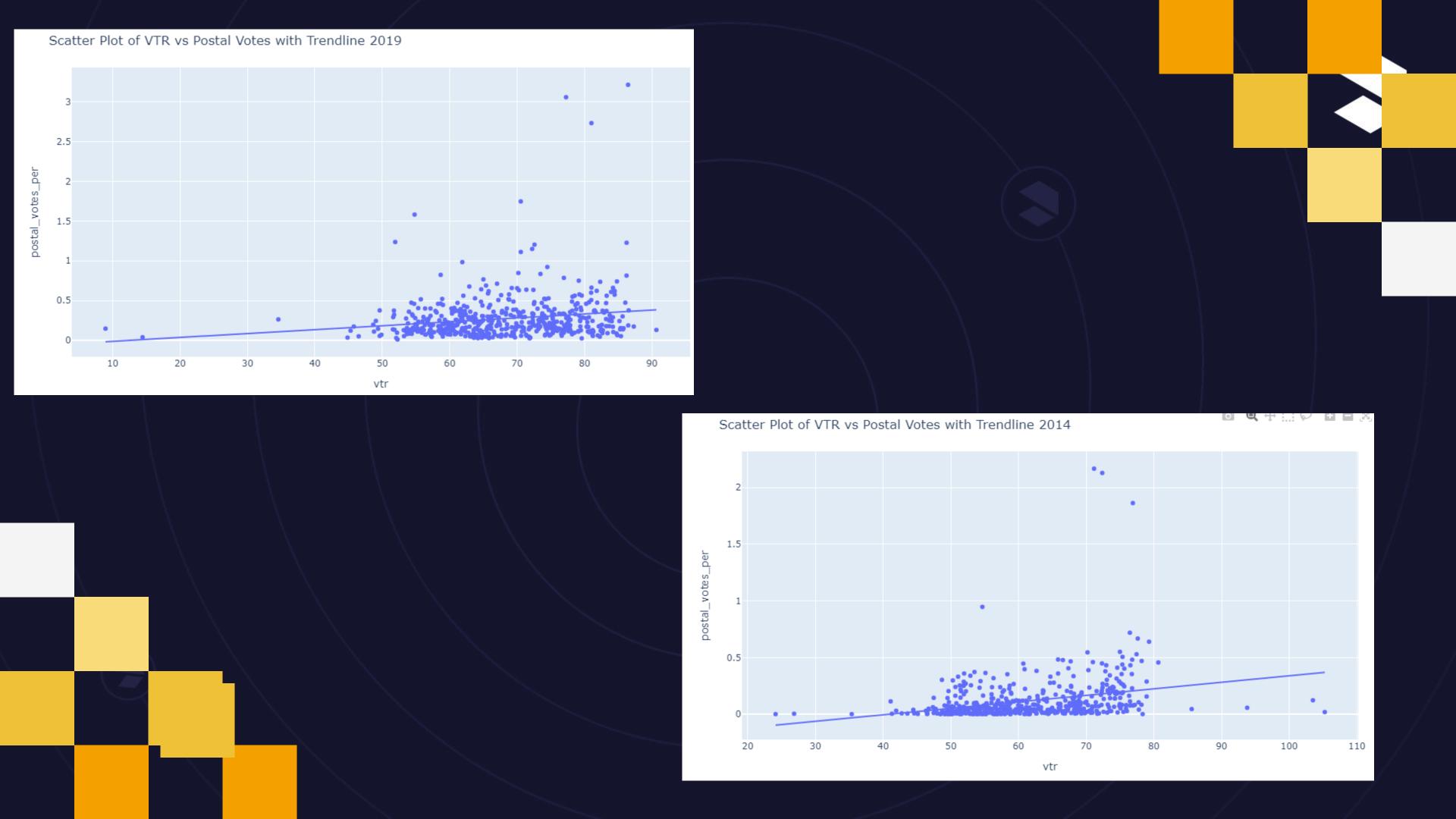
Top 20 constituencies have elected candidates whose party has less than 10% vote share at state level in 2019 candidate votes_share state party pc_name Maharashtra Aurangabad Imtiaz Jaleel Syed MIMIA 0.7197251575708808 Ramanathapuram Tamil Nadu TUML K. NAVASKANI 1.0829955436932932 Chidambaram THIRUMAAVALAVAN THOL Tamil Nadu VCK 1.1527903976145029 Uttar Pradesh Mirzapur Anupriya Singh Patel ADAL 1.201967155988852 Uttar Pradesh Robertsganj ADAL PAKAURT LAL KOL 1.201967155988852 Rajasthan Nagaur RLTP HANUMAN BENIWAL 2.0346157573623356 Thomas Chazhikadan Kerala Kottayam KEC(M) 2.065447822578873 Tamil Nadu Coimbatore CPIM NATARAJAN. P.R 2.348318217337202 Tamil Nadu Madurai 2.348318217337202 CPIM VENKATESAN S Tamil Nadu Nagapattinam CPI 2.3773874997568725 SELVARAJ M Tiruppur Tamil Nadu SUBBARAYAN, K. CPI 2.3773874997568725 Kerala Kollam RSP N.K.Premachandran 2.451173438633174 Telangana Hyderabad MIMIA ASADUDDIN OWAISI 2.7757008769292537 Maharashtra Amravati Navnit Ravi Rana IND 3.6842471853968175 Karnataka Mandya IND SUMALATHA AMBAREESH 3.89269295871712 Jharkhand Giridih Chandra Prakash Choudhary 4.332835314736213 AJSUP Kokrajhar IND Naba Kumar Sarania 4.8299333495162315 Assam E. T. Mohammed Basheer Kerala Ponnani TUMI 5.453447243335562 Malappuram Kerala IUML P.K. Kunhalikutty 5.453447243335562 West Bengal Maldaha Dakshin INC ABU HASEM KHAN CHOWDHURY (DALU) 5.612062067395416

12. Is there a correlation between postal votes % and voter turnout %?



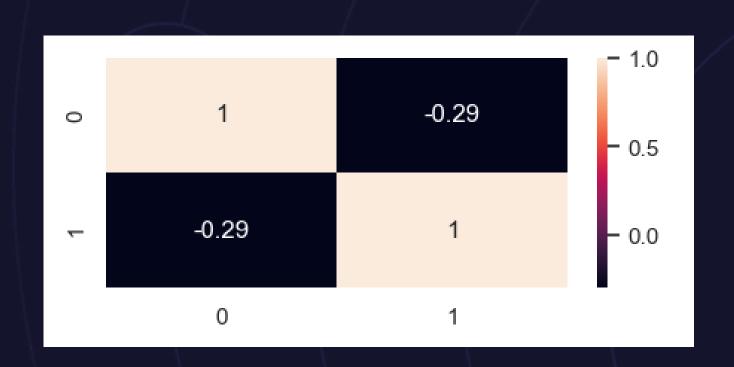


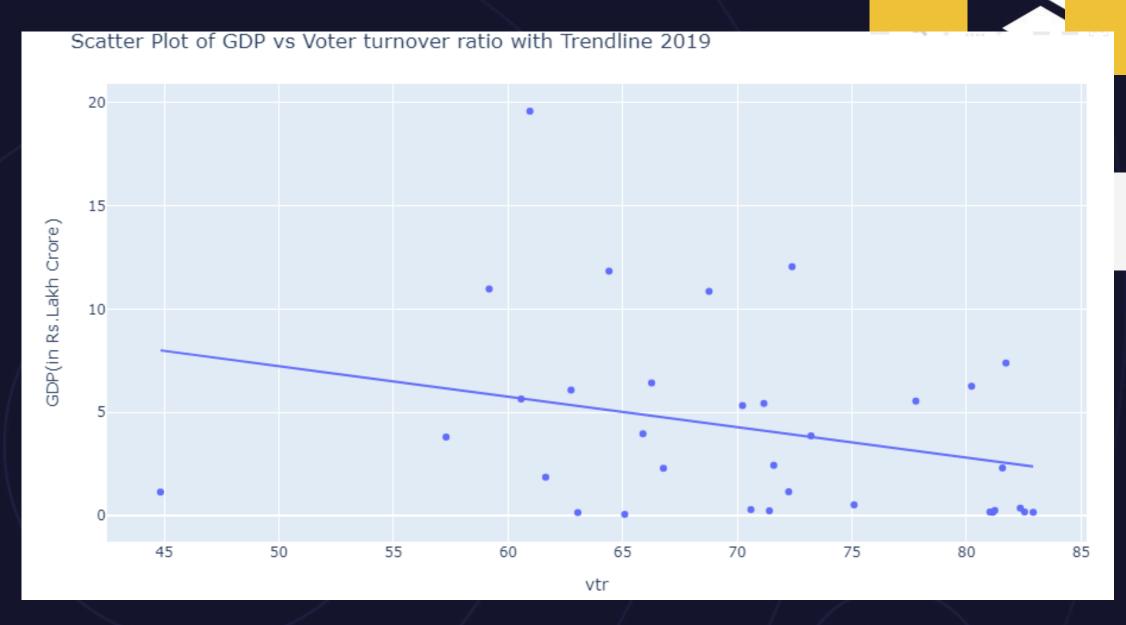
- A value of 0.28 suggests a weak positive correlation between the two variables. This means that as one variable increases, the other tends to increase as well, but the relationship is not strong.
- A correlation value of 0.172 suggests a very weak positive correlation between the two variables. This means that there is a slight tendency for the two variables to increase together, but the relationship is not strong.



13. Is there any correlation between GDP of a state and voter turnout

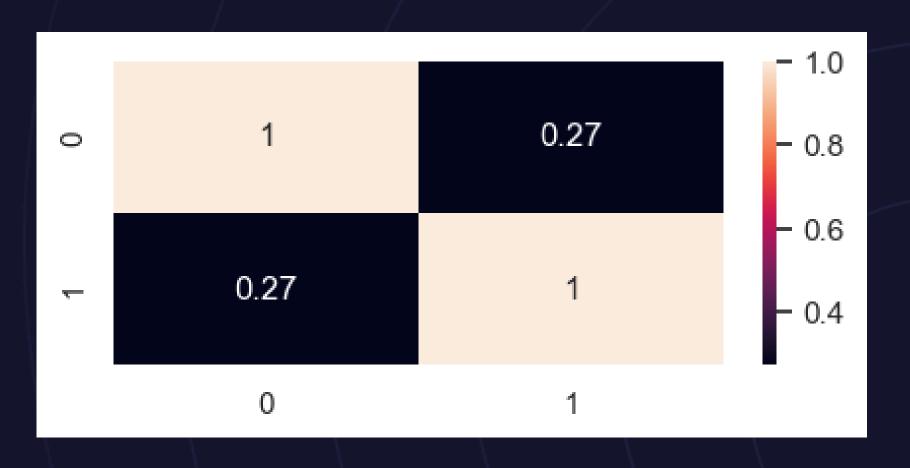


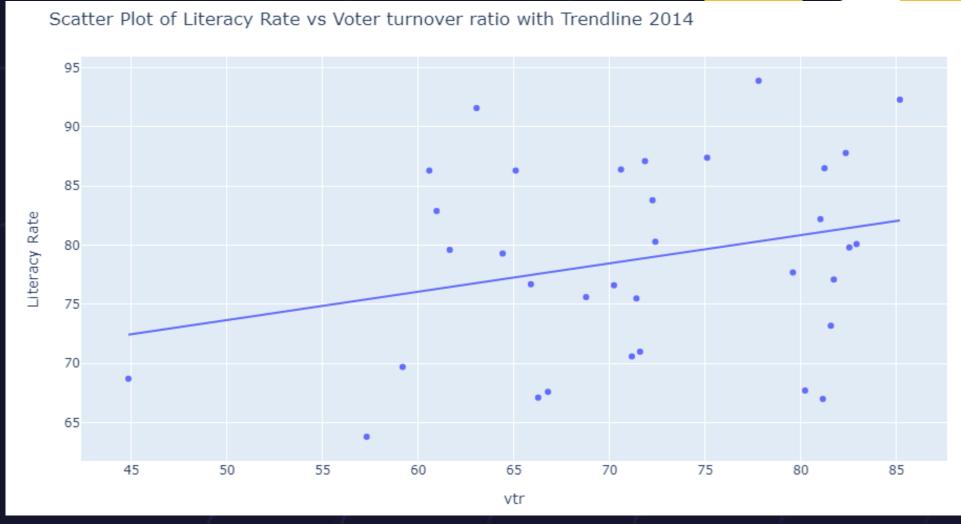




 A correlation value of -0.292 suggests a weak negative correlation between the two variables. This means that as one variable increases, the other tends to decrease, but the relationship is not strong. 14. Is there any correlation between literacy % of a state and voter

turnout %?





A correlation value of 0.273 suggests a weak positive correlation between the two variables. This means that as one variable increases, the other tends to increase as well, but the relationship is not strong.

Observations

- Females participants is low.
- BJP is largest party in the india
- Nagaland and lakshadweep have highest voter turnover ratio
- Jammu & kashmir and Bihar have lowest voter turnover ratio

Recommendations

- Ensure Accessibility for Disabled Persons, Make all polling stations accessible to people with disabilities, providing necessary assistance or technology to help them cast their votes independently.
- Increase the number of polling stations to help raise the voter turnout ratio and provide easy convenience to the public.
- Launch voter awareness programs in urban and rural areas of the state, led by local political leaders.





Thank You

Made by Vishal Verma

