



Lok Sabha election 2024 Analysis Report



By

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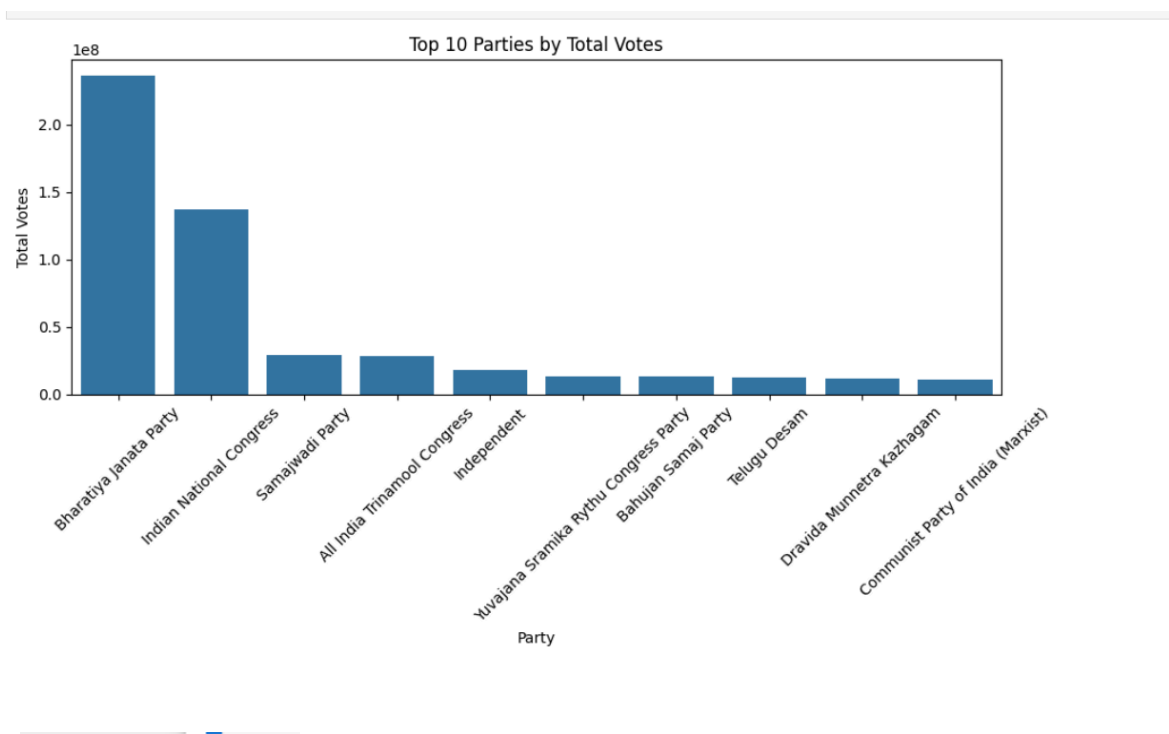
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Introduction

This report delves into a comprehensive analysis of recent election data, aiming to uncover key insights that illuminate patterns, trends, and significant outcomes across states and constituencies. Also presents key insights derived from an analysis of election data. The analysis focuses on understanding voting patterns, candidate performance, and electoral competitiveness across states and constituencies.

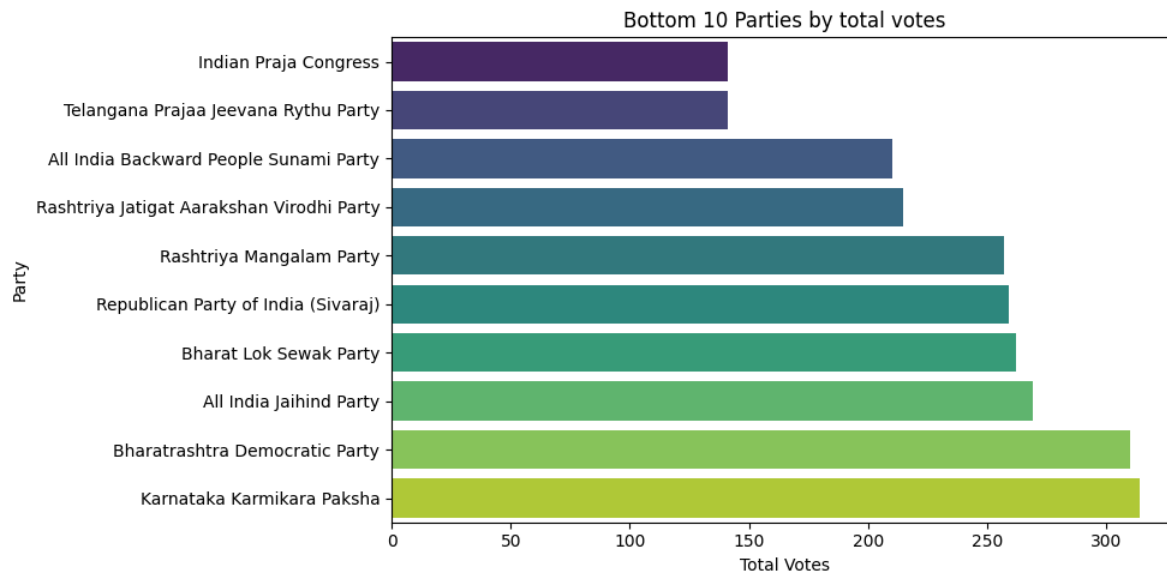
Key Insights

1. Top 10 Parties by Total Votes



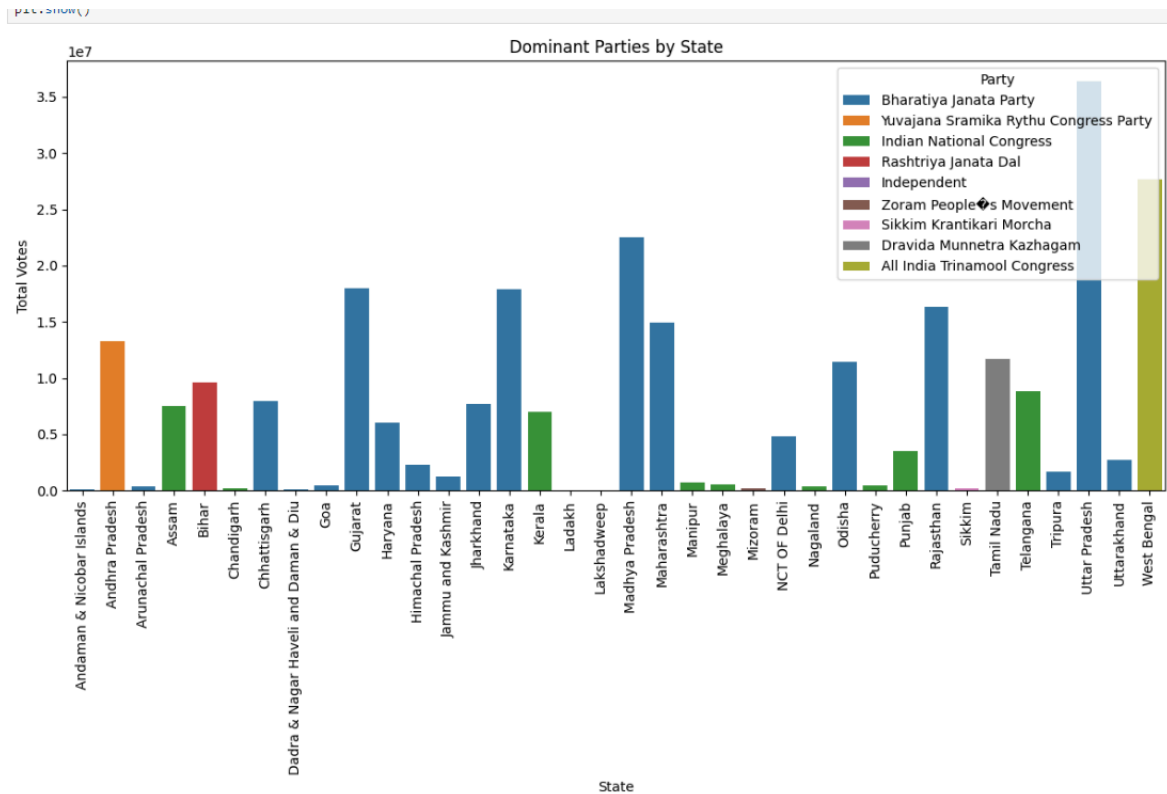
- The top 10 parties across all constituencies are indicated in terms of total votes.
- Vote Share Analysis: these parties have had their votes distributed among them and this helps to show their comparative strengths.
- Regional Variations: the party's performance was noted which shows strongholds and areas which are competitive.

2. Bottom 10 Parties by total votes



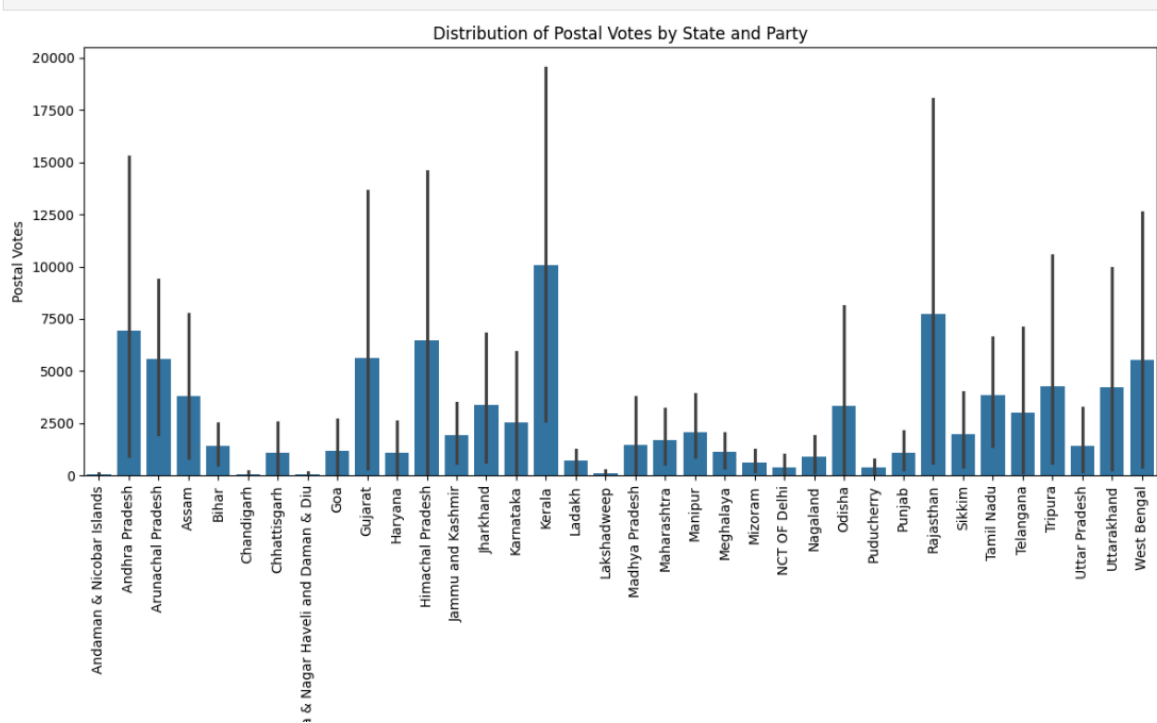
- Identifies the parties with the lowest voter support, which can indicate areas for improvement.
- Provides a comprehensive view of the political landscape by highlighting how votes are distributed among less popular parties.
- In order to improve their voter base and understand the competitive environment, parties can use strategic planning.
- Boosts party presence and voter engagement by allocating resources and efforts.

3. Dominant Parties by State



- Each state's dominant party is identified using total votes casted.
- Comparative Analysis whereby regional political landscapes are highlighted by comparing how one political party dominates another across states.
- Vote concentration whether domination is concentrated in a few constituencies or widely spread out was looked at;
- Predictions of historical voting trends that could indicate shifts in political aspirations were made here.

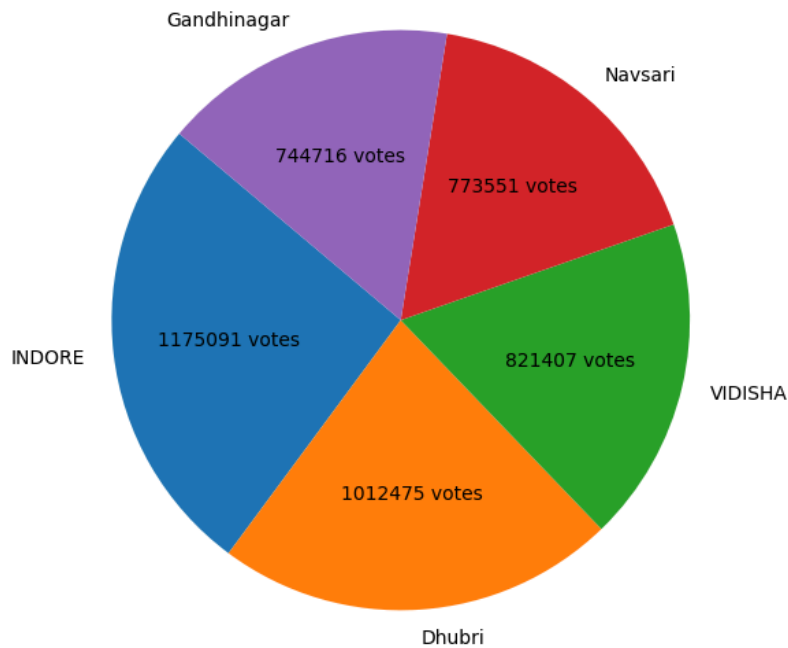
4. Distribution of Postal Votes by State



- Postal vote distribution among the states was studied.
- The effect of postal voting on electoral results in different regions has been examined.
- These figures will then be compared with the result to see which areas had a higher percentage of postal voting than others i.e. variations indicated
- This part entails discussing logistical problems and opportunities linked to postal voting systems.

5. Top 5 Constituencies with the Highest Margins of Victory

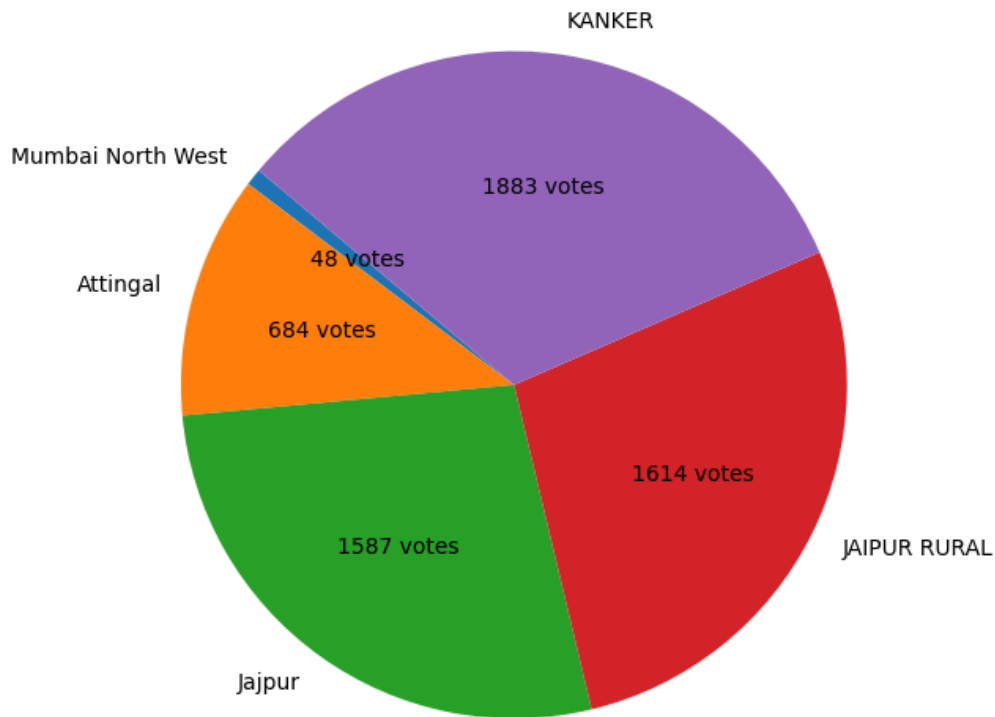
Top 5 Constituencies with the Highest Margins of Victory



- These were determined to be the constituencies with the largest margins of victory between leading and trailing candidates.
- This focused on significance of large victory margins in relation to political mandates and public sentiment.
- The following factors contributed greatly to these victories, such as candidate popularity and campaign effectiveness.
- Historical context or unique circumstances that influenced high-margin outcomes were provided.

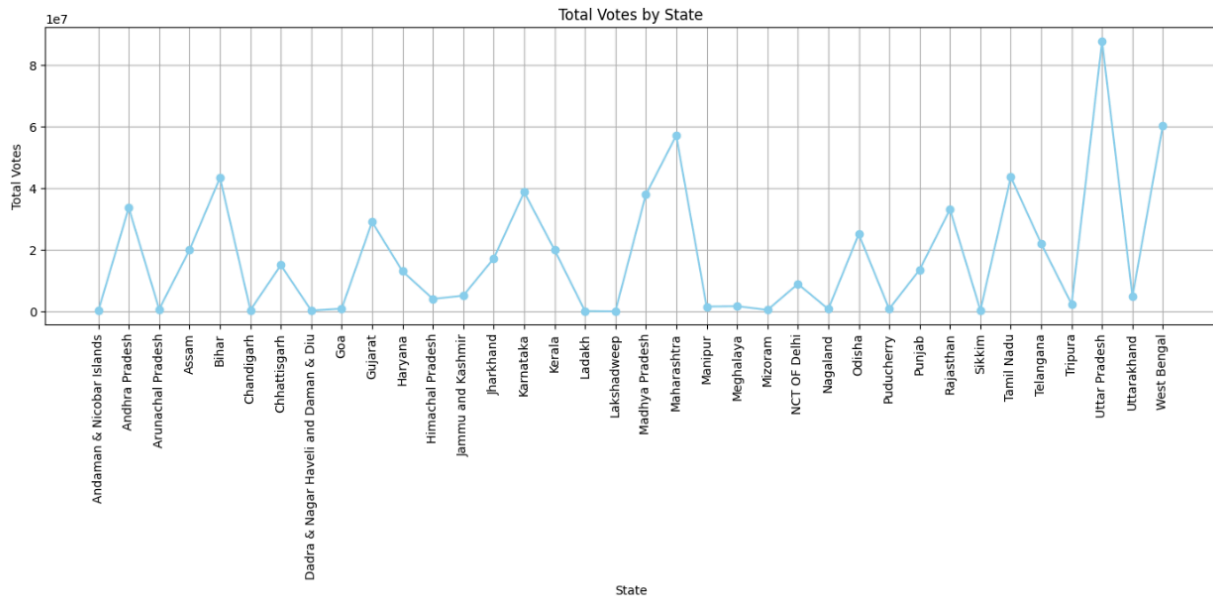
6. Top 5 Constituencies with the Lowest Margins of Victory

Top 5 Constituencies with the Lowest Margins of Victory



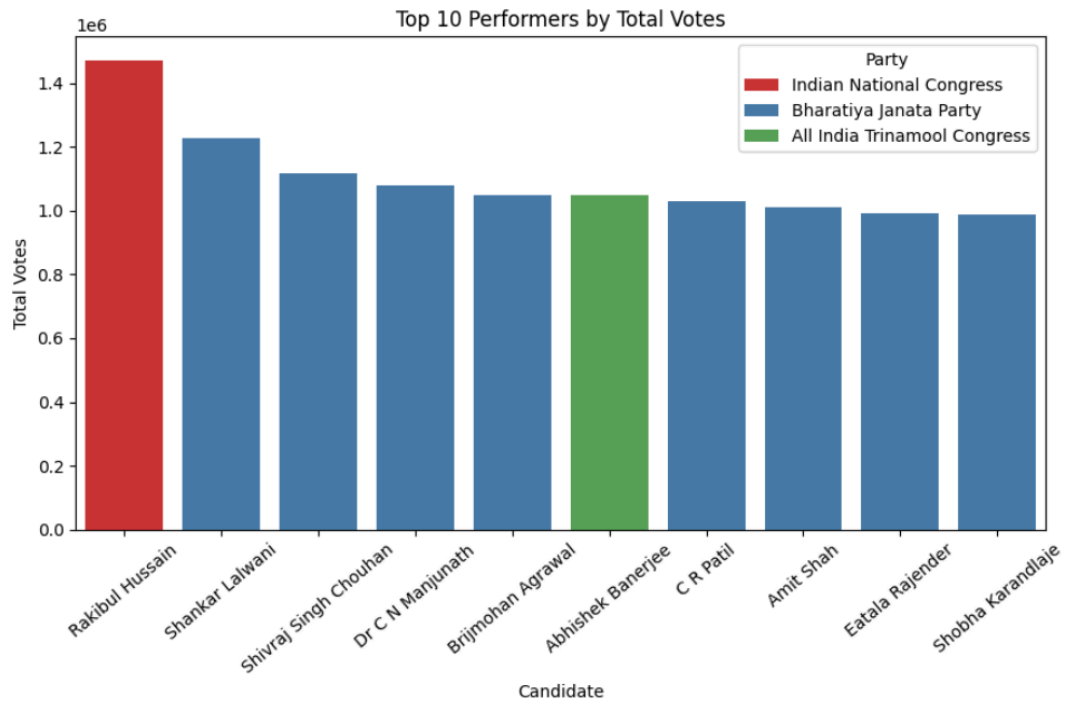
- These are constituencies with narrowest margins of victory, indicating highly competitive races.
- Turnout levels and involvement among voters during the elections on stiffly contested seats was also analyzed.
- This discussed possible legal challenges or recounts in closely contestable races.
- These include urban-rural divides, demographic shifts among others influencing close outcomes in different areas.

7. Total Votes by State



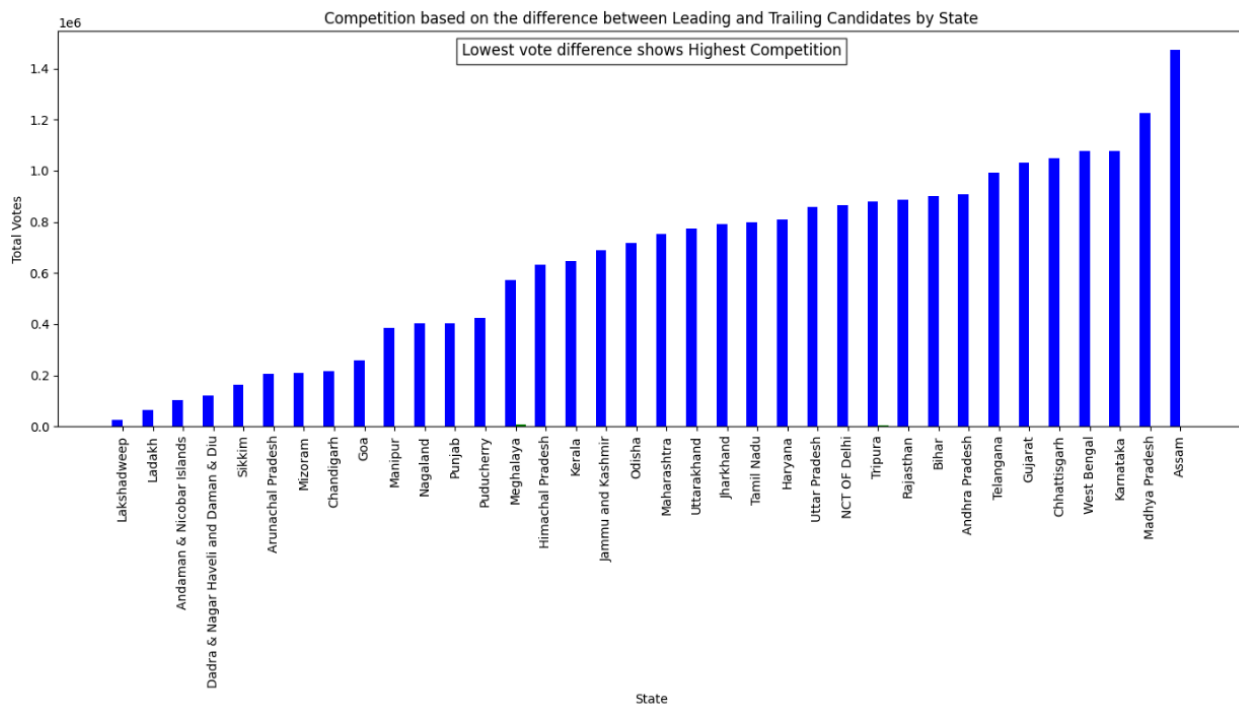
- It showed total votes cast in each state across all constituencies
- Highlighting variations in voter turnout based on total votes across states
- Taking into account population density's effect on total vote counts.

8. Top 10 Performers by Total Votes



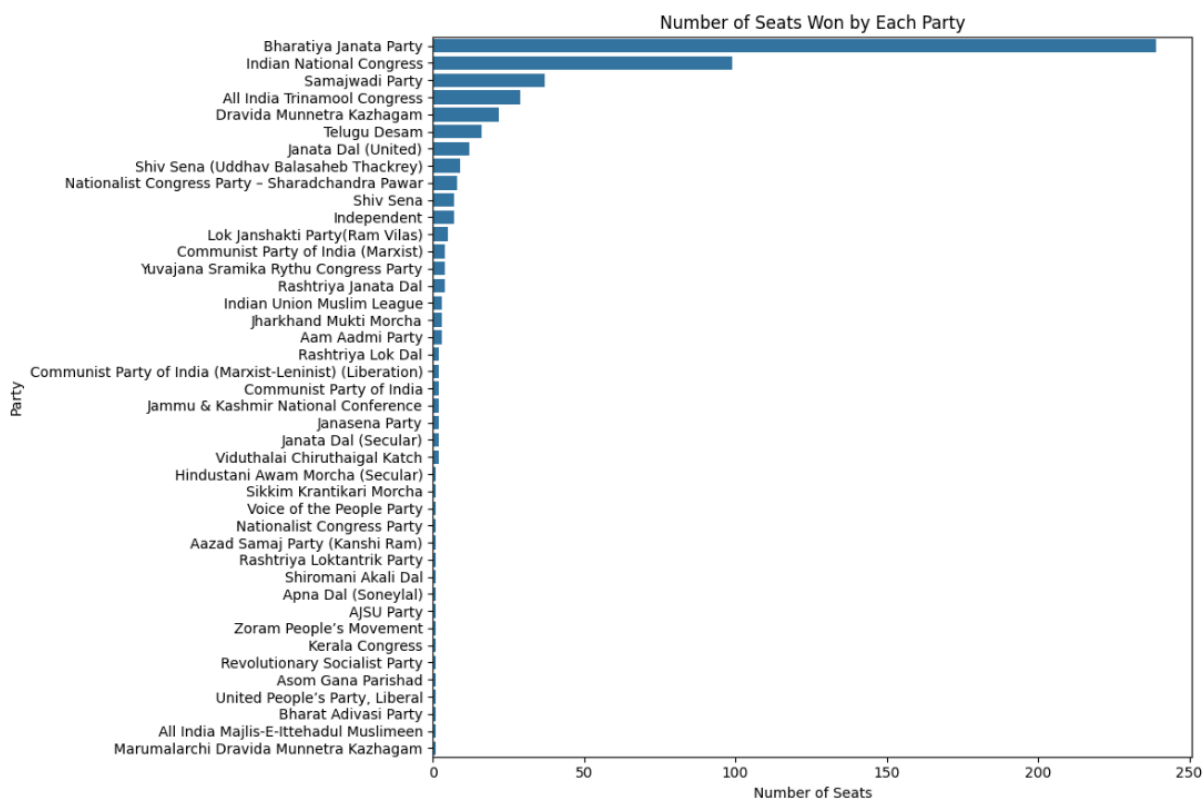
- Choose top candidates based on their total votes.
- Analyzed the political party affiliations of the best performers and their impacts on election outcomes.
- Explored differences in performance of candidates across various constituencies.
- Discussed effective campaign strategies that cause high totals of votes.

9. Competition based on the difference between Leading and Trailing Candidates by State



- Consider how many more or fewer votes the winners had than trailing candidates in each state.
- Focused on competitive landscapes, including electoral competitiveness among states.
- Based on tight or large margins, this section talks about governance implications emanating from elections held.
- Presented insights into candidate strategies as well as voter preferences that influence electoral competitiveness.

10. Number of Seats Won by Each Party



- This chart shows the dominant parties with significant legislative influence based on the distribution of seats won.
- It enables easy comparison of seat counts between major and minor parties.
- Helps parties strategize for future elections by identifying areas of strength and needed improvement.
- Provides a clear understanding of each party's performance and influence across constituencies.

Methodology

- **Data Sources:** Two datasets were used for analysis, focusing on candidate performance, party affiliations, voting methods, and electoral outcomes.
- **Data Cleaning :** Handled null values, data types of columns, String format, column header format.
- **Data Analysis:** Utilized Python programming and data visualization libraries (Pandas, Matplotlib, Seaborn) for data cleaning, analysis, and visualization.

Conclusion

This research offers a thorough overview of voting patterns, party dynamics, and candidate performance across a range of states and seats, providing insightful information on the electoral landscape.