



A Report on Analysis of Election

# Importance Of Data In Upcoming Elections 2024

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# Election Data Analysis Report

## INTRODUCTION

This report analyses an election dataset sourced from Kaggle, encompassing [19 columns](#) and [2263 rows](#). The dataset provides comprehensive insights into various aspects of electoral dynamics, including candidate attributes, demographics, and electoral outcomes.

Specified columns in our election dataset:

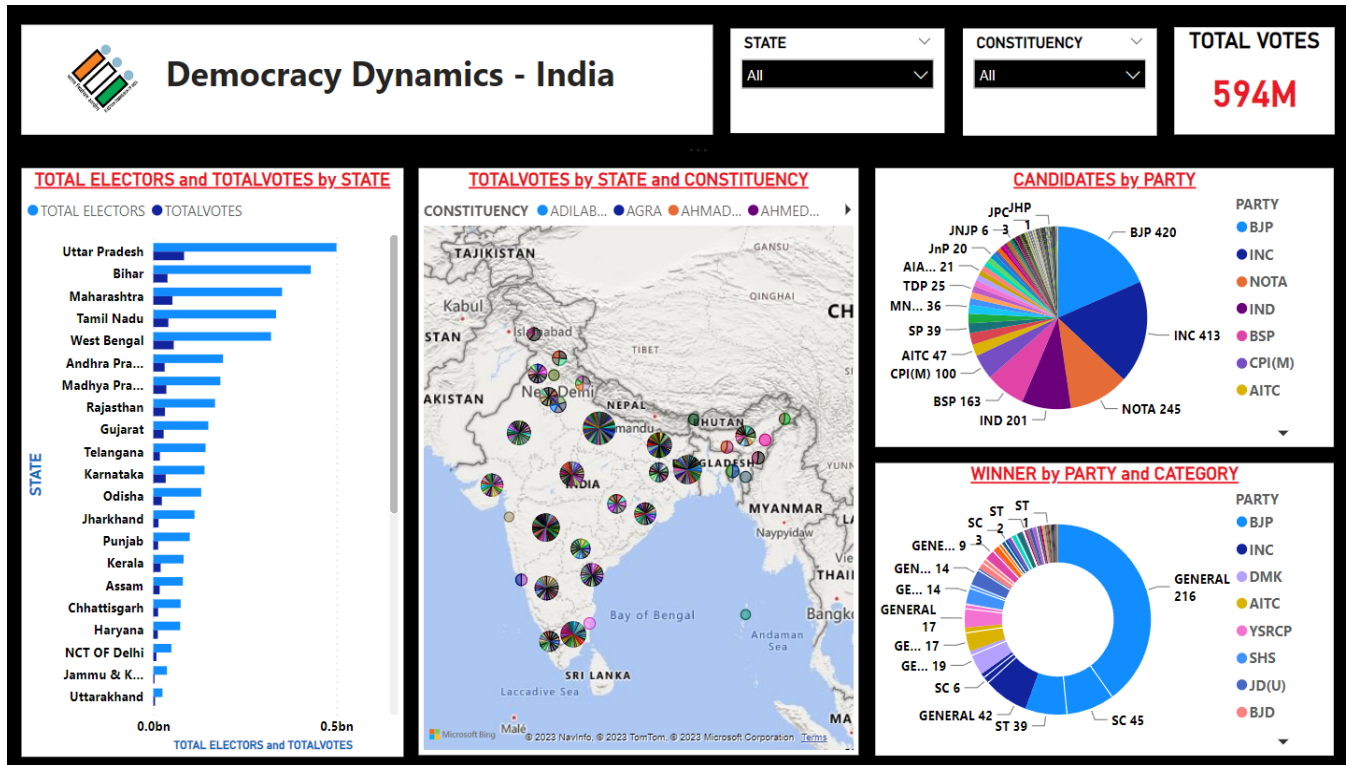
1. **Age**: Represents the age of the candidate participating in the election.
2. **Assets**: Indicates the financial assets or wealth of the candidate, providing insights into their financial standing.
3. **Category**: Denotes the category or social group to which the candidate belongs, such as General, SC or ST.
4. **Constituency**: Specifies the electoral constituency where the candidate is contesting in the election.
5. **Criminal Cases**: Highlights the number of criminal cases, if any, associated with the candidate, offering information about their legal background.
6. **Education**: Represents the educational qualifications of the candidate, shedding light on their academic background.
7. **Gender**: Indicates the gender of the candidate, distinguishing between male and female participants.
8. **Name**: Provides the name of the candidate participating in the election.
9. **Party**: Specifies the political party affiliation of the candidate, indicating the party they represent in the election.
10. **State**: Denotes the state within the country where the election is taking place.
11. **Total Electors**: Represents the total number of eligible voters in the constituency.
12. **Total Votes**: Indicates the total number of votes cast in the election.
13. **Winner**: Designates the candidate who secured the highest number of votes and emerged as the winner in the election.

This dashboard contains two pages:

1. nation-wise representation
2. candidate-wise representation

## NATION WISE REPRESENTATION

Explore the nation's electoral landscape with dynamic slicers allowing users to focus on specific states and constituencies. Gain comprehensive insights into the diverse facets of the nation's representation.



Nation Wise Representation - Slide 1

### Visuals Used:

#### 1. Slicer: STATES

- COLUMN: Dynamically filters the visualisation for a specific state.
- DESCRIPTION: Users choose a state from the slicer, and visuals adjust to display exclusive information for that state.

#### 2. Slicer: CONSTITUENCY

- COLUMN: Focuses on data for a selected constituency within the chosen state.
- DESCRIPTION: Users pick a constituency using the slicer, and visuals update to show detailed information (total votes, winning party, turnout) specific to that constituency.

#### 3. Clustered Bar Chart: Total Electors and Total Votes by State

- COLUMNS: State, Total Electors, Total Votes
- DESCRIPTION: This clustered bar chart visually represents the total number of electors and total votes in each state. It enables a quick comparison of voting patterns across different states.

**4. Map Chart:** Total Votes by State and Constituency

- COLUMNS: State, Constituency, Total Votes
- DESCRIPTION: A geographical map chart showcasing the total votes in each state.

Additionally, it provides a breakdown of votes by constituency, offering a comprehensive view of voting distribution across regions.

**5. Pie Chart:** Total Votes by Party

- COLUMNS: Party, Total Votes
- DESCRIPTION: This pie chart presents a clear depiction of the distribution of total votes among various political parties. It simplifies the understanding of each party's contribution to the overall vote count.

**6. Doughnut Chart:** Winner by Party and Category

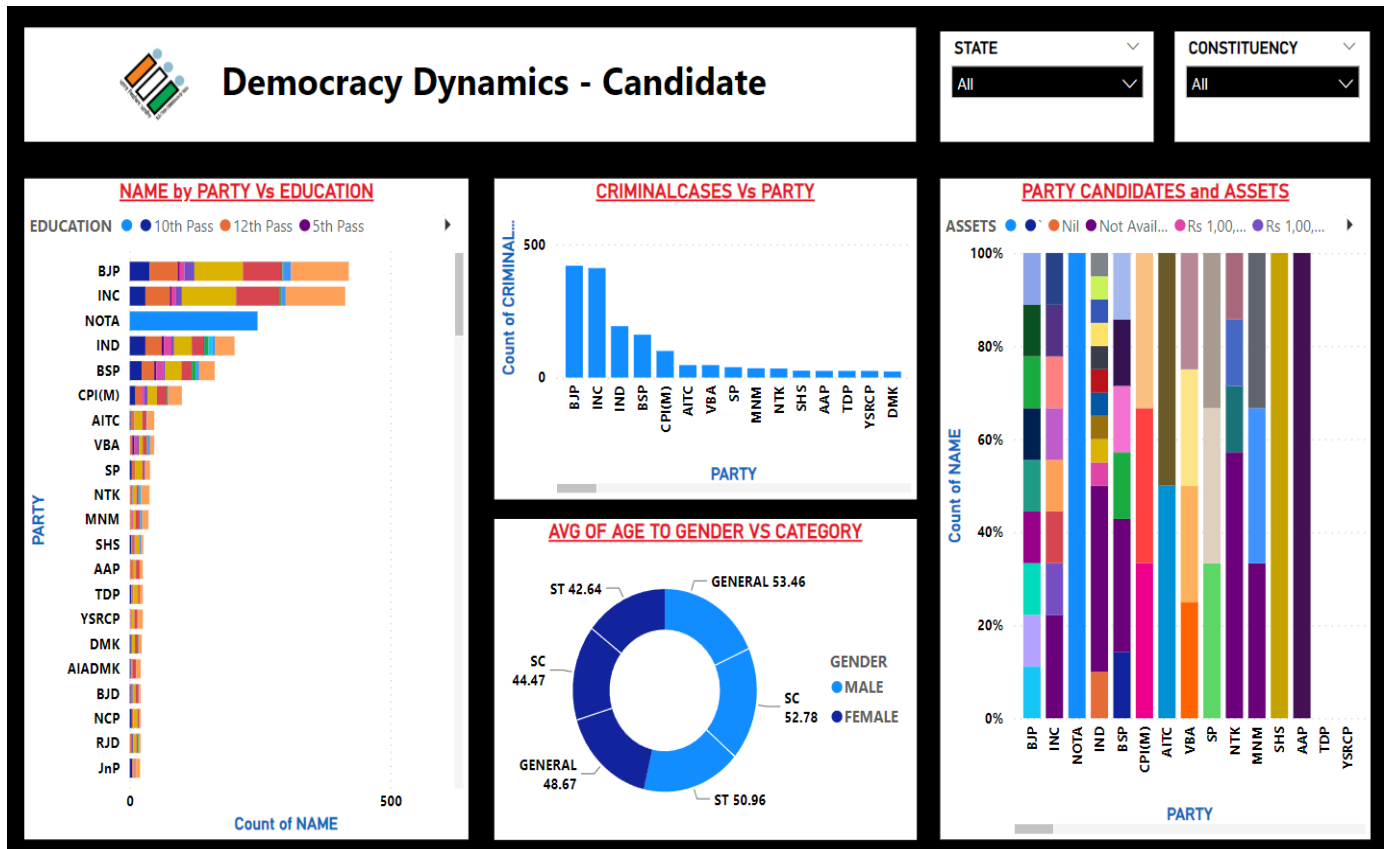
- COLUMNS: Party, Category (General, ST, SC), Winner
- DESCRIPTION: This doughnut chart highlights the winning parties in various categories, including General, (ST), and (SC). Each segment represents the share of victories for a specific party in a particular category, providing a visual breakdown of electoral success across different social and demographic segments.

**7. Card:** Total Voters

- COLUMNS: Total Voters
- DESCRIPTION: This card shows the total voters for that particular state/constituency selected.

## CANDIDATE WISE REPRESENTATION

Explore candidate-wise demographics with insightful visualisations: education diversity, legal backgrounds, age distribution, and wealth representation, providing a comprehensive overview of election candidates' profiles.



Candidate Wise Representation - Slide 2

### Visuals Used:

#### 1. **Stack Chart:** Name by Party vs. Education

- COLUMNS: Candidate Name, Party Affiliation, Education Level

- DESCRIPTION: This stacked chart represents the distribution of candidates' education levels within each political party. It visualises the educational diversity of candidates by stacking different education levels for each party.

#### 2. **Bar Chart:** Criminal Cases vs. Party

- COLUMNS: Political Party, Number of Criminal Cases

- DESCRIPTION: A bar chart illustrating the comparison of reported criminal cases associated with candidates from different political parties. Each bar represents a party, and its height corresponds to the total number of criminal cases.

3. **Doughnut** : Average Age to Gender vs. Category

- COLUMNS: Gender ,Age , Social Category
- DESCRIPTION: A doughnut chart showcasing the average age distribution of candidates categorised by gender and social category. Rings represent gender, and slices within show age distribution for each social category.

4. **100% Cluster Chart**: Party Candidates vs. Assets

- COLUMNS: Political Party , Percentage Distribution of Candidates by Asset Range
- DESCRIPTION: A 100% clustered bar chart displaying the percentage distribution of candidates from each party based on declared assets. The chart provides insights into the wealth distribution among candidates across various political parties.

## CONCLUSION

In conclusion, the analysis of the election dataset reveals a rich tapestry of insights into candidate attributes, demographics, and electoral outcomes. Looking at the election data shows us a lot about the candidates, who voted, and what happened in the election.

The interactive charts for the whole country and each candidate give us a full picture of what went on. We can see how people voted in different states and areas and learn more about the candidates, like their education, legal history, age, and money.

This report is like a helpful guide for people involved, giving them useful information to really understand what happened in the election.

These kinds of dashboards are useful for both [parties](#) so that they can strengthen their agendas for election rallies and for the [general public](#) so that they can understand whom to vote for and whom to not.