

# Bihar Assembly Election 2020 Analysis

## Live Dashboard

visit dashboard

## Mywebsite

<https://kundanrao.netlify.app/>

## Bihar assembly election analysis

This is a dashboard made with **Flexdashboard** using **r programming**. in this dashboard i have tried to get the insights of the election result and the participation of different section of society, like what is the participation of females? What are their winning percentages? How many parties are participating in the election? What is the performance of theirs? What is the age distribution of candidates partywise and in general? what is the age distribution of winning candidates? Is there any geographic stronghold of any parties? etc.

## Quick Tech Description

- The interective map is made with package **tmap**
- **tmap** is very handy for making thematic maps in **r**
- The static map plot is made with **sf** package combined with **ggplot2**
- dashboard is based on **Flexdashboard** package
- **Flexdashboard** could be more customised to give stunning dashboards.
- Plot's skeleton is based on **ggplot2** : very powerful visulization making library in **R**
- Plot's interectivity is based on **plotly** package
- **DT** package is used to render interective tables
- **knitr** package, **kable** function is used to render the static table
- **dplyr** package is used frequently to clean and manipulate yhe dataset.

## Important File Description

- **Shape file** :- Contains the shape file of Indian assembly constituency.
- **code.Rmd** :- Contains the Rmd file of R source Code
- **code.html** :- Contains the HTML file of the dashboard
- **data/src** :- Contains the Bihar assembly election result 2020 data
- **Images** :- Contains screenshot and images of data visulization
- **renv & renv.lock** :- Is created by **renv** package to preserve and reproduce the environment

## Data Source

### Website

<https://eci.gov.in/>

### Data Download Link

Dataset excel format

## Environment (it is also specified in renv files)

I have made this project with following environment:-

**RStudio Version 1.4.1717**

**R 4.1.1**

## Snaps of plots and maps

JS chart by amCharts

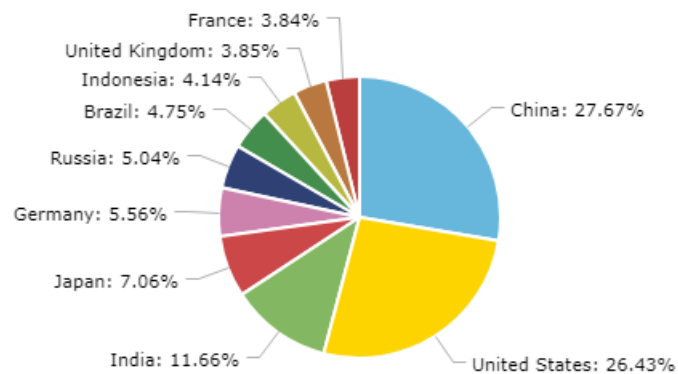


Figure 1: App Screenshot

JS chart by amCharts

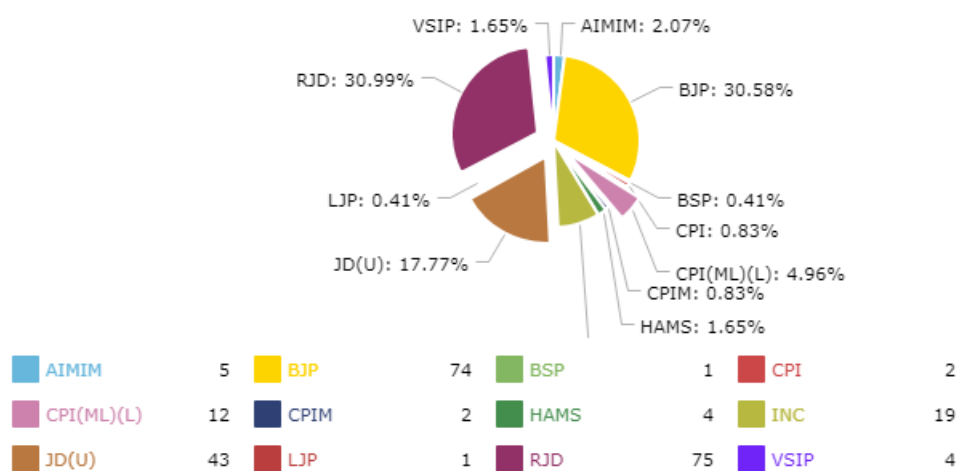


Figure 2: App Screenshot

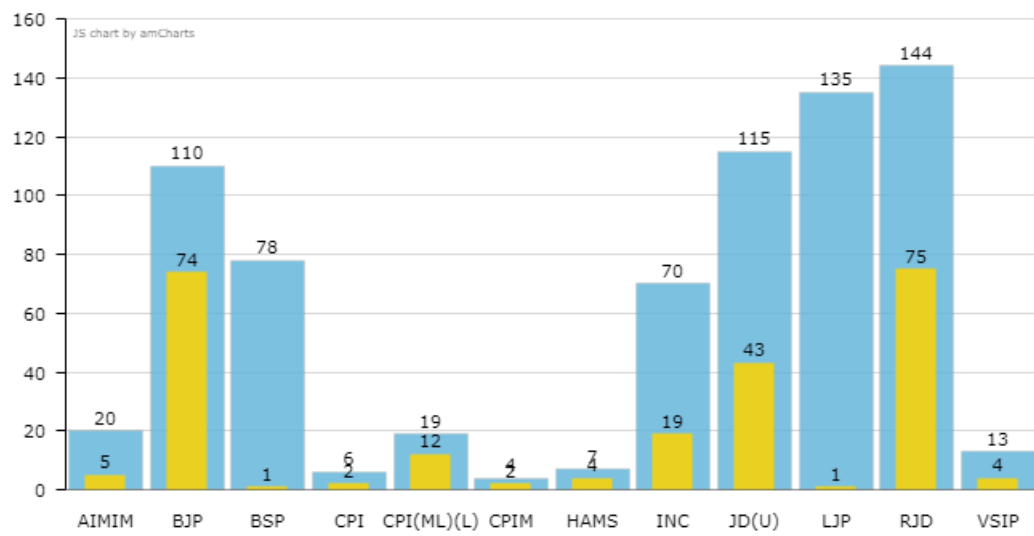


Figure 3: App Screenshot

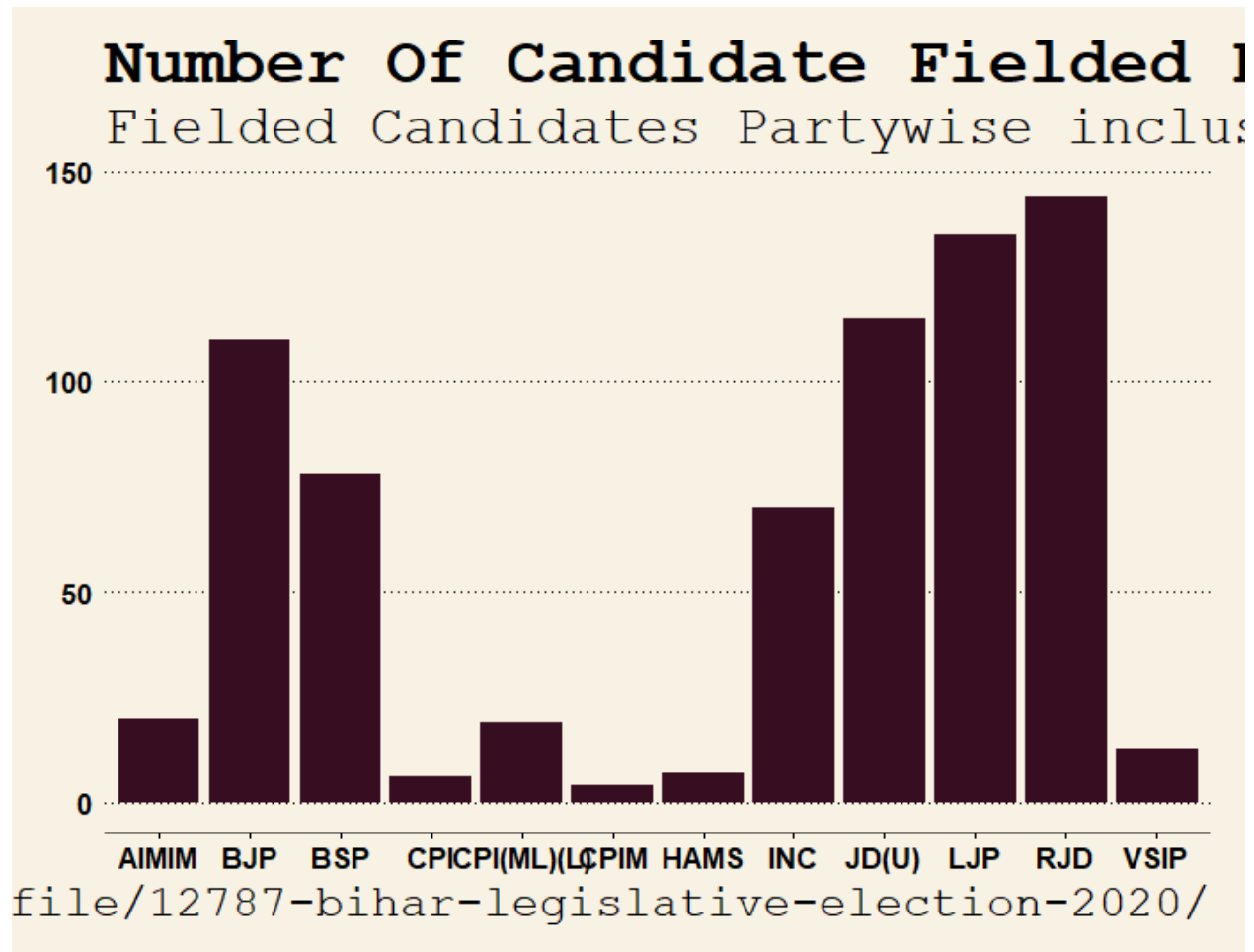


Figure 4: App Screenshot

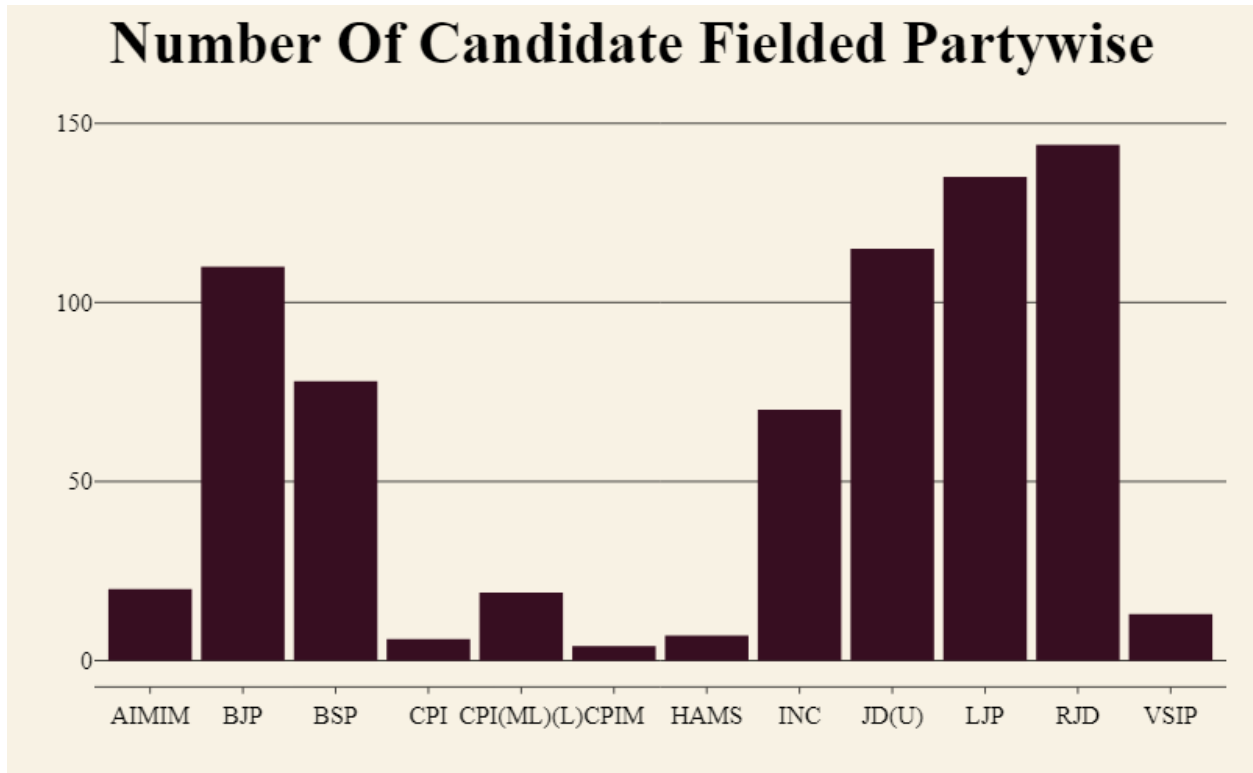


Figure 5: App Screenshot

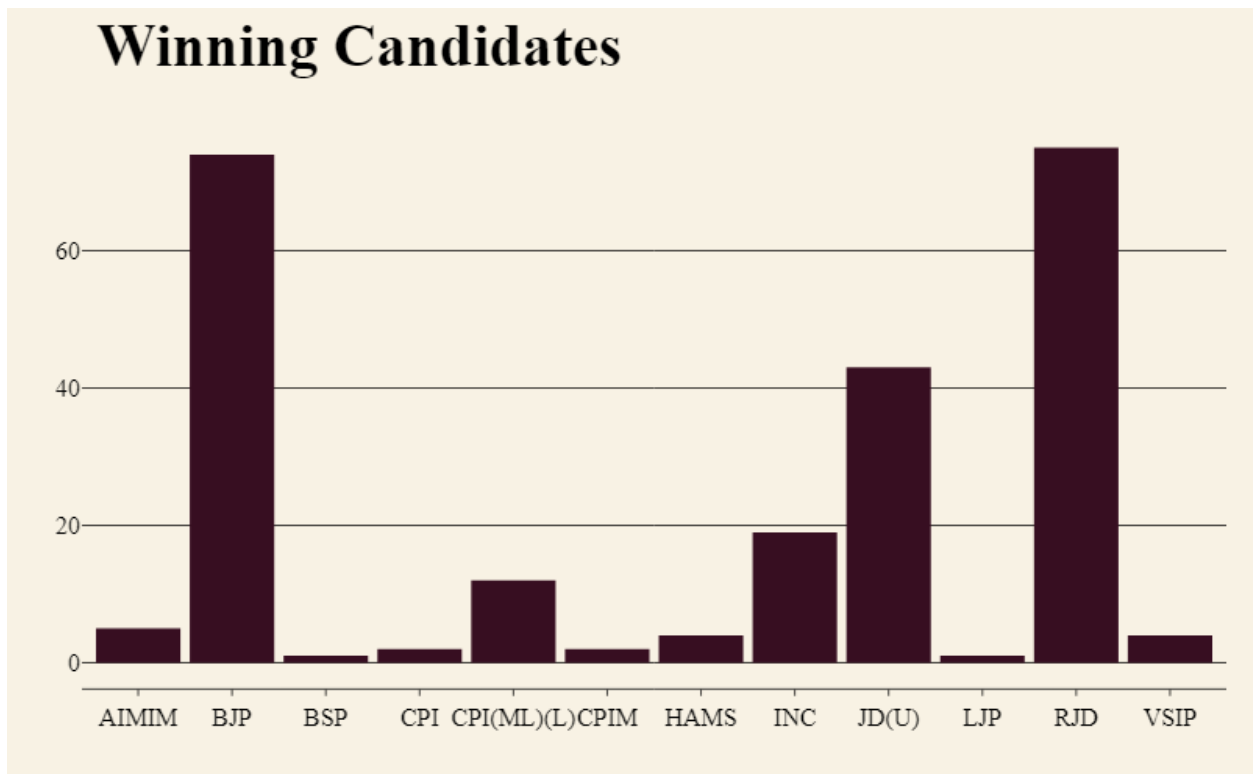


Figure 6: App Screenshot

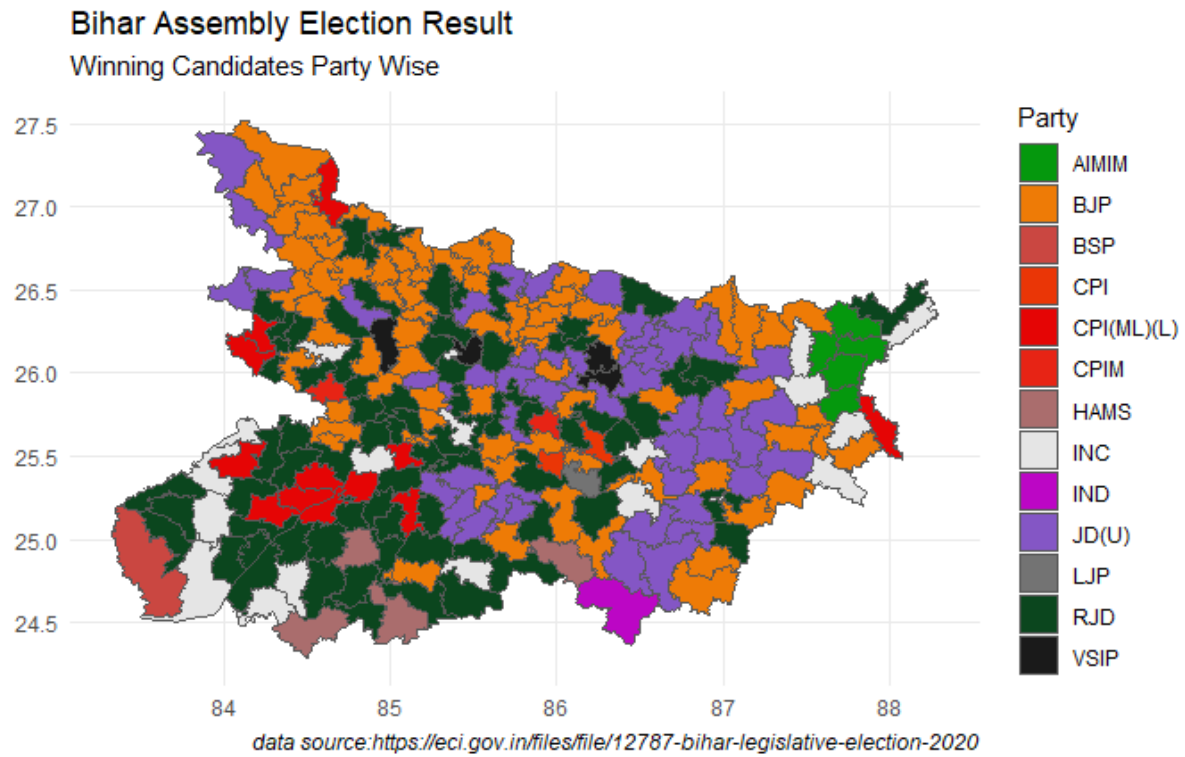


Figure 7: App Screenshot

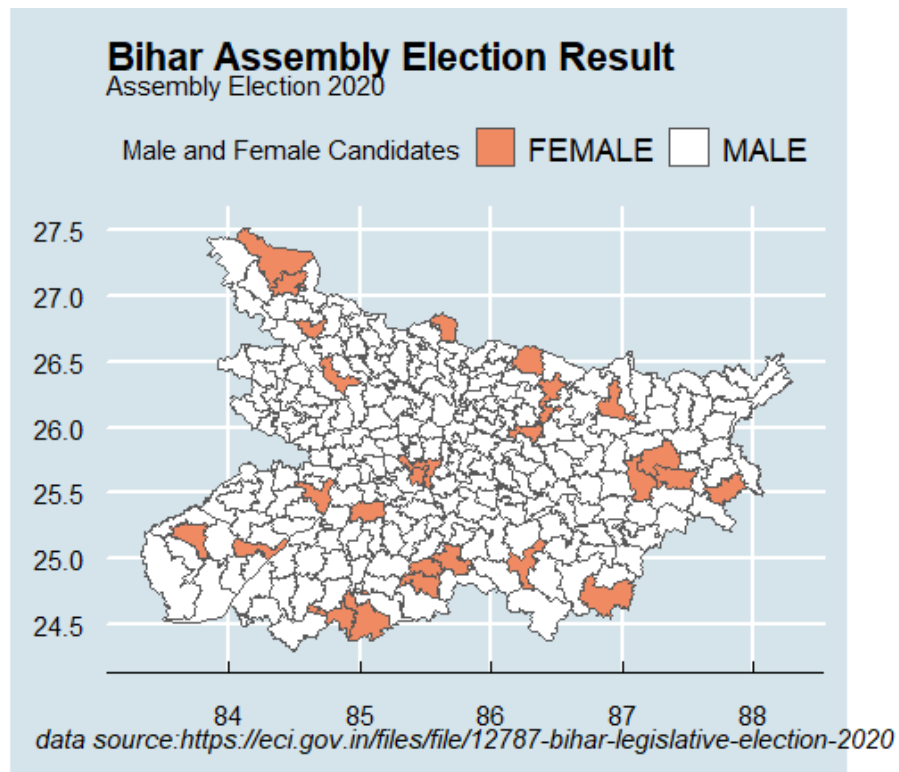


Figure 8: App Screenshot

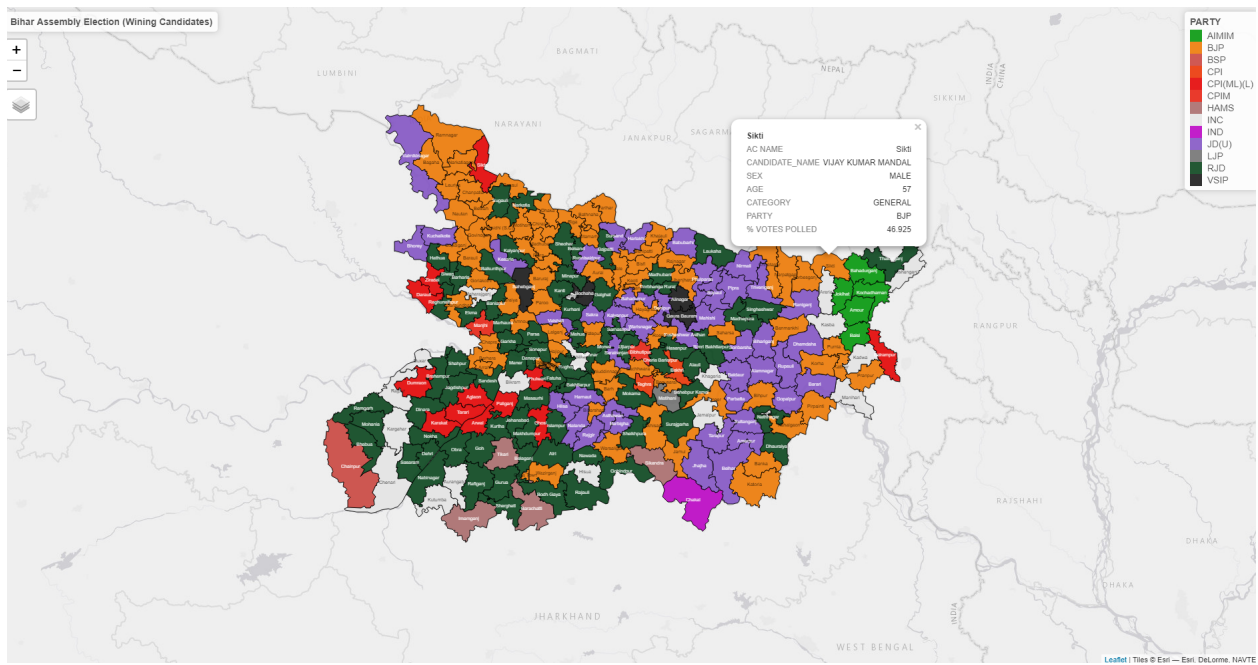


Figure 9: App Screenshot

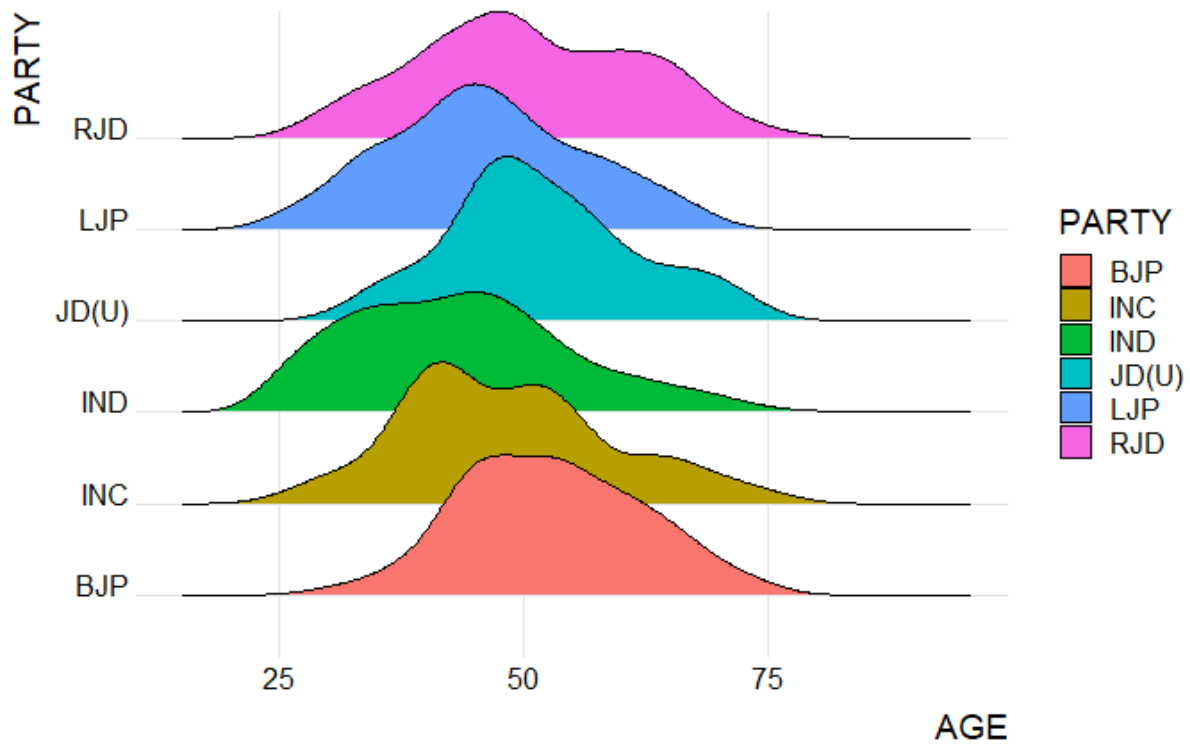


Figure 10: App Screenshot



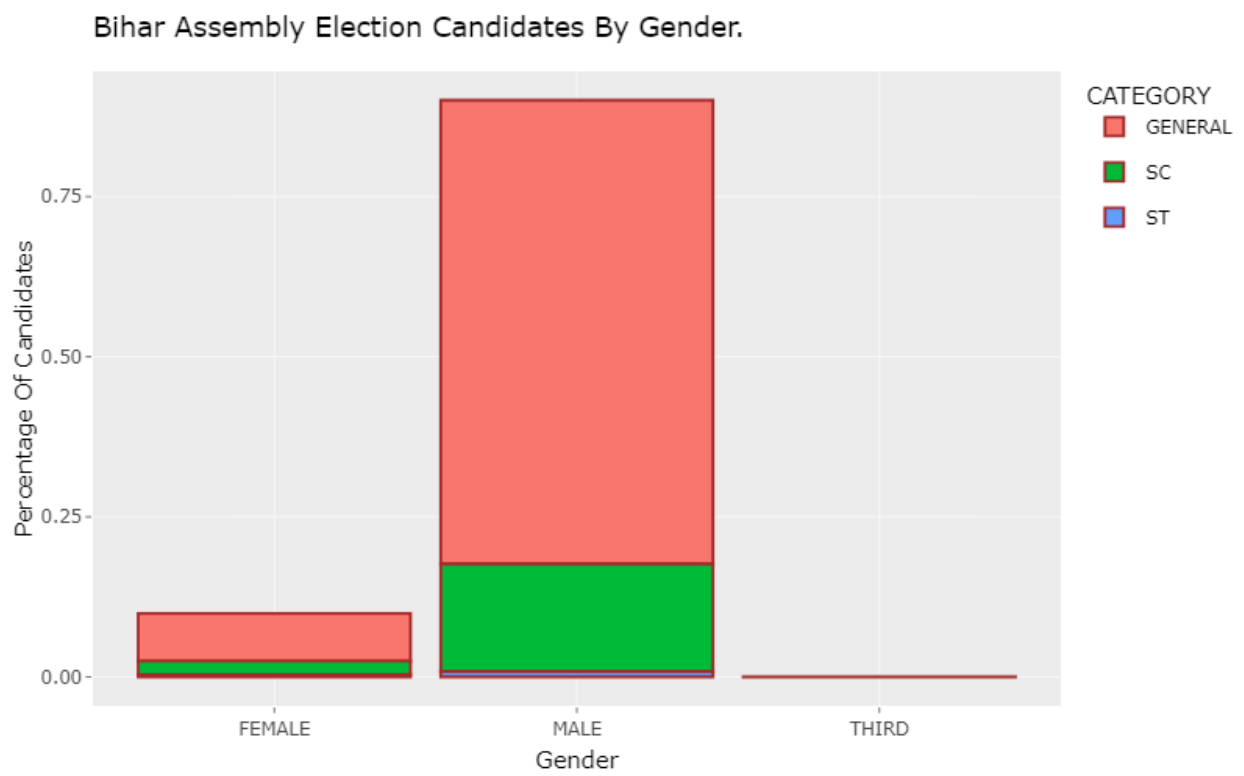


Figure 11: App Screenshot