DATA ANALYTICS REPORT ON LOKSABHA ELECTIONS IN INDIA

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- Language used: python 3.9.1
- Console: Jupyter notebook

ABSTRACT:

A vote is very valuable for a citizen which results in their future for the society. The vote can bring the change in the country by electing good leaders. For every 5 years in India Elections will be held to elect their MLA's, MP's, CM's and PM. So every citizen must have some basic knowledge on the elections.

This Project tells about the Loksabha elections analysis and what are the parameters that affect the Loksabha elections.Here we analysis all the parameters in the loksabha elections data and visualize the data to understand better.

DATASET:

This analysis is based on the dataset given which is collected from www.kaggle.com . There are five csv files in the dataset which consists of loksabha elections data.

1) **GE_india_2019_results.csv** :-This csv file contains the data of general elections held in 2019

2) **GE_india_2014_results.csv** :- This csv file contains the data of general elections held in 2014

3) **indian-national-level-election-data-1977-2015.csv** :- This file contains details of candidate-level data for elections to the Lok Sabha from 1977 to 2015

4**) lok-sabha-candidate-details-2019.csv** :- This file contains details of candidates level data for the election to the Lok Sabha for 2019 General Elections.

5) **LokSabha2004-2019.csv** :- This file contains 4 spreadsheets each having the consolidate data for the Lok Sabha c2andidates from 2004 to 2019.
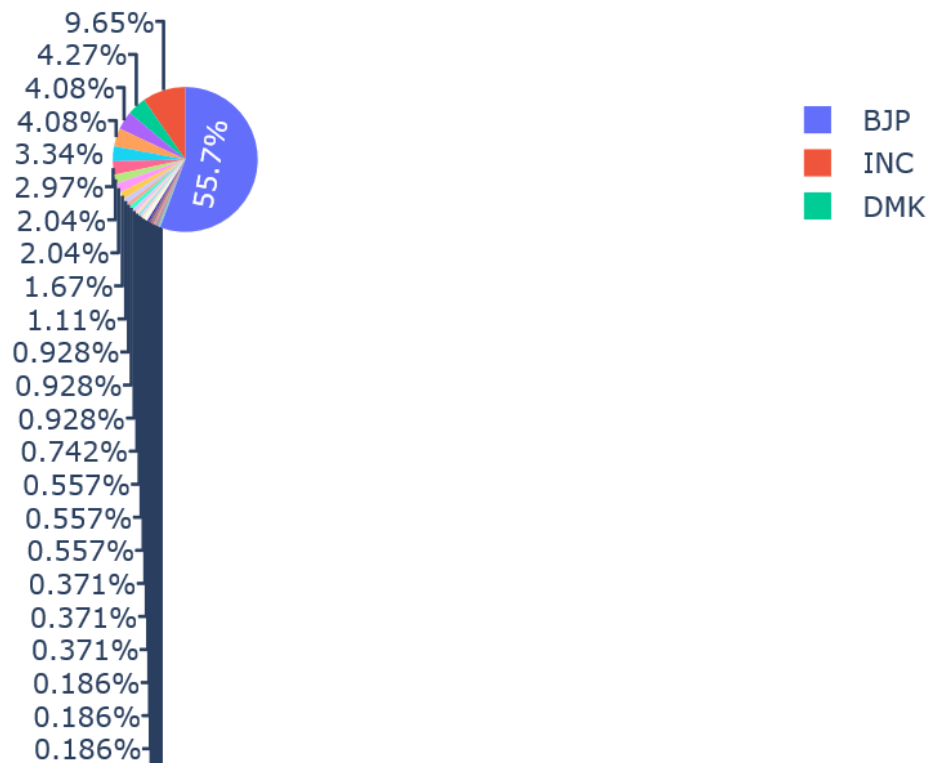
LIBRARIES USED:

For doing the analysis of the given dataset , python latest version is used as the language and many libraries are used like pandas, numpy , matplotlib and plotly. These libraries are used for mathematical calculations, data cleansing and visualization of data.

VISUALIZATION AND ANALYSIS OF DATA:

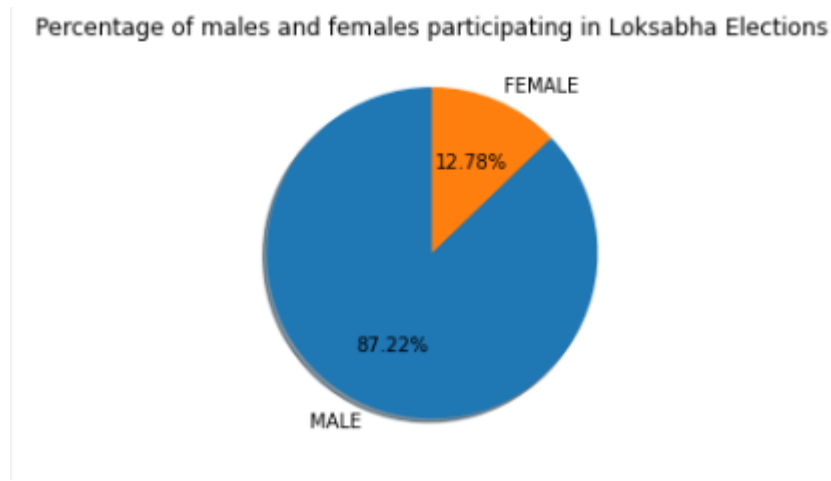**A)** **General statistical plots based on Party, Gender, Criminal Cases and other parameters ?**

1)PARTY AND THEIR WINNING SHARE

INFERENCE:

➢ From the Above Pie chart we can see the winning share of the parties and on the left side we can the parties which got the highest winning shares that means their parties candidates have won more than any other parties

➢ The Top party which is BJP have will establish their government which got highest share above all the parties

➢ The Top three parties are

♦ **BJP(Bhartiya Janata Party)-55.7%**

♦ **INC(Indian national Congress)-9.65%**
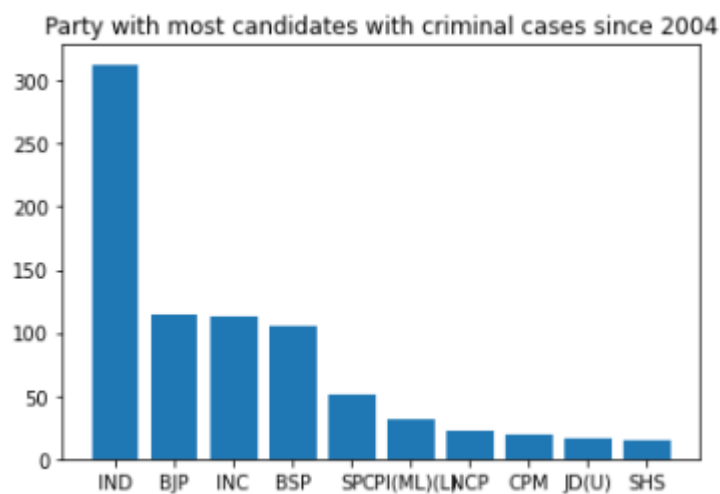
♦ **DMK(Dravida Munnetra Kazhagam)-4.27%**

2) Male and Female candidates participation in the Elections.

Percentage of males and females participating in Loksabha Elections

INFERENCE:

➢ From the above pie chart ,it shows that more number of males have been participated than females in the elections.

➢ The percentage of males participated in the Lok Sabha elections 2019 is 87.22%, where as females participation percentage is 12.78%.

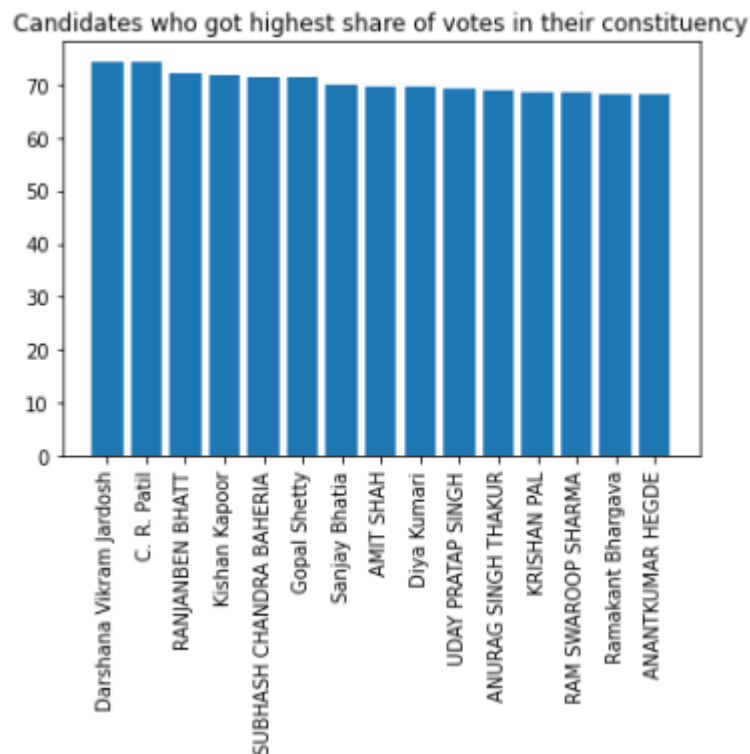➢ So more number of males are interested than females to participate In the politics.

3)Candidates with criminal cases in a party

INFERENCE:

➢ From the above bar graph, it shows that most number of candidates with more that 1 criminal cases are present more from IND which means Independents since 2004

➢ More than 300 participants are criminals who are independents and in 2nd place there is BJP party which consists of more than 100 candidates who consists of criminal cases.
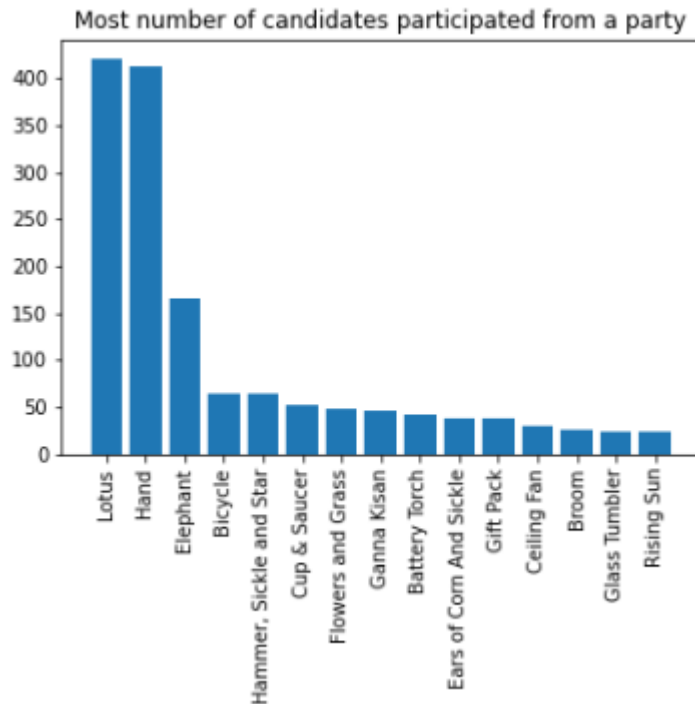
4)Candidates who got highest share of votes in their constituency in elections 2019

Candidates who got highest share of votes in their constituency

INFERENCE:

➢ From the above bar graph, we can see the list of persons and their share of votes in their constituency. This bar graphs includes top15 candidates

➢ The highest share of votes in a constituency has got by Darshana Vikram Jardosh who got more than 75% votes. C.R.Patil in second position with almost same percentage as first position.

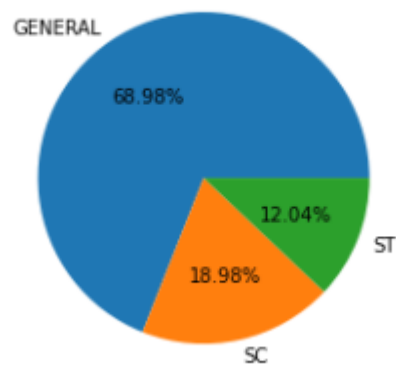**5)Most number of candidates participated from a party in 2019 elections**

Most number of candidates participated from a party

INFERENCE:

➢ From the above bar graph, it shows that most number of candidates are participated from the Lotus(which is BJP) and the second most from Hand(which is INC)

➢ Apart from the first two parties , all the other parties have less number of participants compared to BJP and INC parties.

➢ We can infer that the BJP and INC are national parties which are participated in almost all the states in our country.
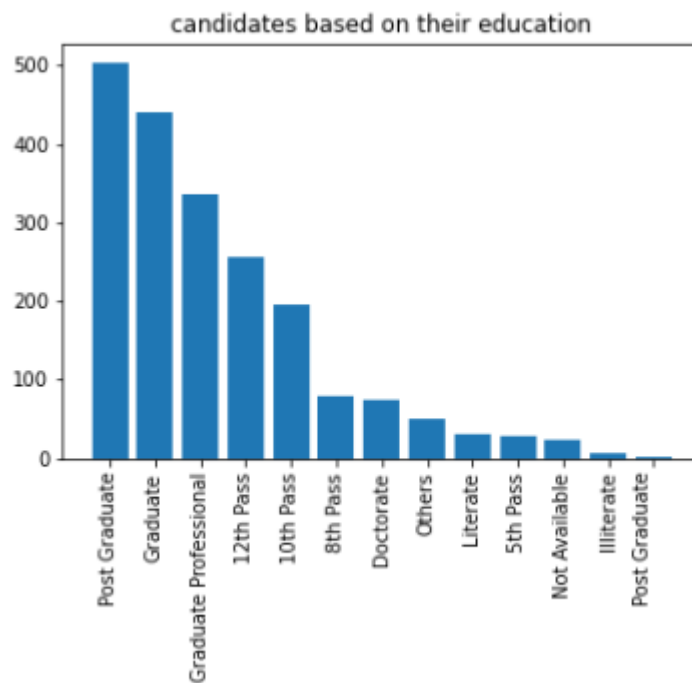
6) percentage of candidates in a category

graph for percentage of candidates in a category

INFERENCE:

➢ From the above pie chart, it shows us various categories of people and percentages of people in that respective category

➢ The most number of candidates participated are from the General category with 68.98%,following by SC with 18.98% and last ST with 12.04%
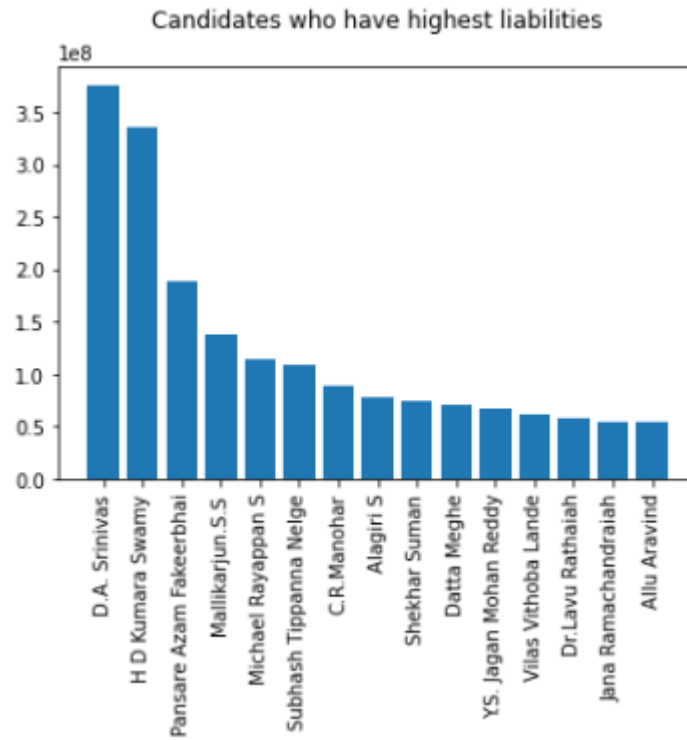
7)Candidates based on their education.

candidates based on their education

INFERENCE:

➢ From the above bar graph, we can see various degrees of candidates and the count of candidates with that respective degree.

➢ The most number of candidates participated have post graduation degree ,followed by graduation degree and in third place graduate professional.

➢ We can infer that the candidates have some decent degree who participated in the elections.
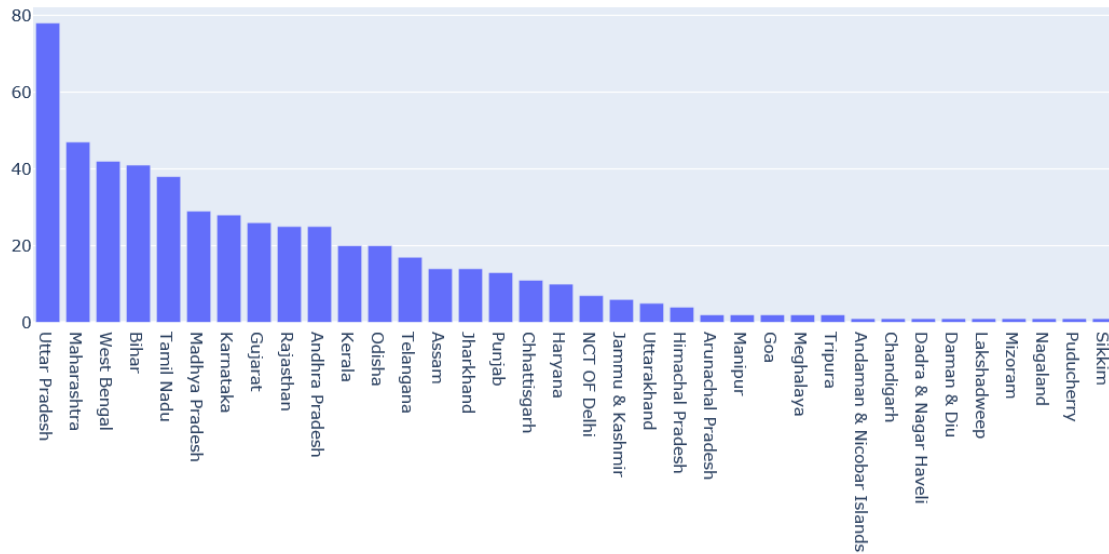
8)Candidates who have highest liabilities since 2004

Candidates who have highest liabilities

INFERENCE:

➢ This bar graph represent the top 15 candidates who got highest liabilities.
➢ In the first place D.A.Srinivas who have more than Rs.35 crores followed by
  H D Kumara Swamy with more than RS.30 crore
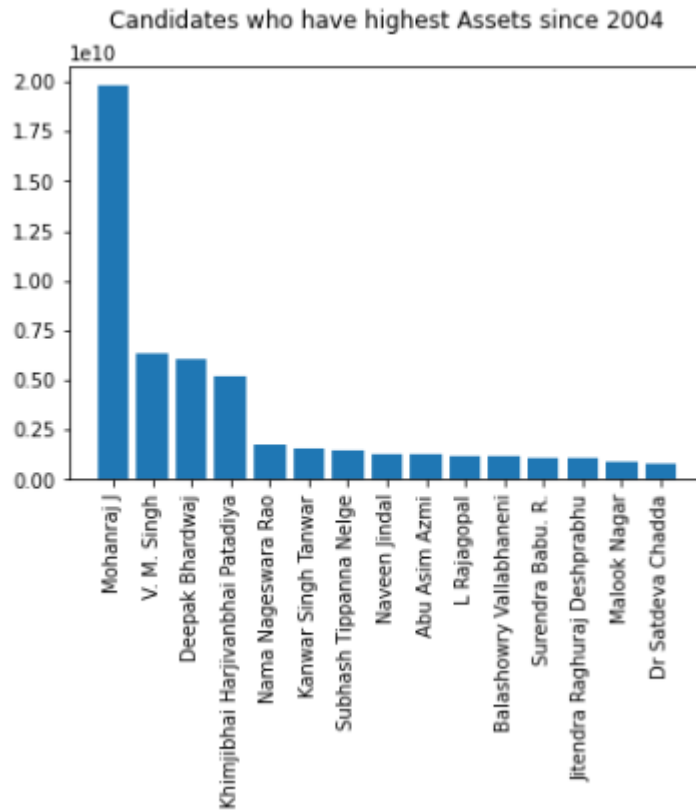
9) States with number of seats

States with number of seats

INFERENCE:

➢ This bar graph represents the states with number of Lok Sabha seats .

➢ Uttar Pradesh stands in first position which consists of more than 70 seats which says that this state have more number of districts and more number of constituencies than any other state in the country

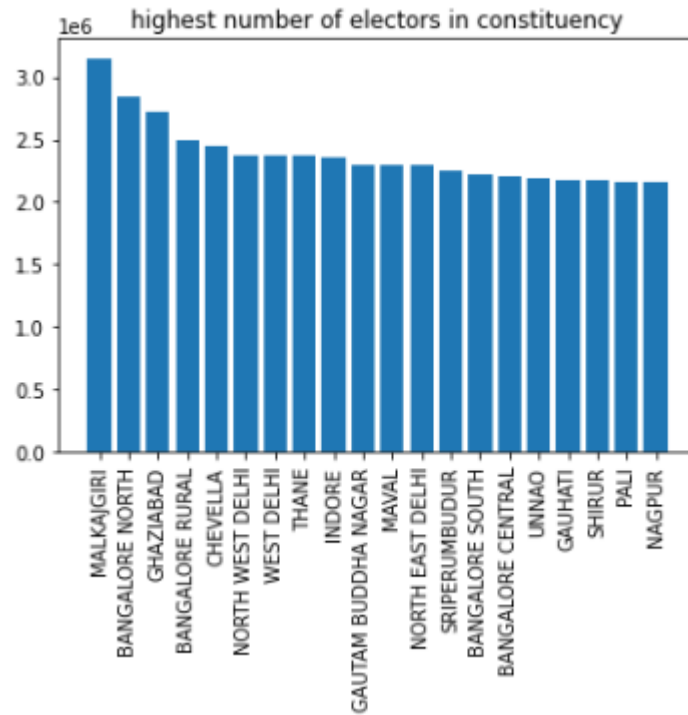➢ Followed by maharashtra, west Bengal,Bihar , Tamil nadu ,etc…..

10)Candidates who got highest Assets since 2004

Candidates who have highest Assets since 2004

INFERENCE:

 ➢ This bar graph represent the top 15 candidates who got highest Assets.
 ➢ In the first place Mohanraj J who have more than Rs.1750 crores followed by V M singh with more than RS.500 crore
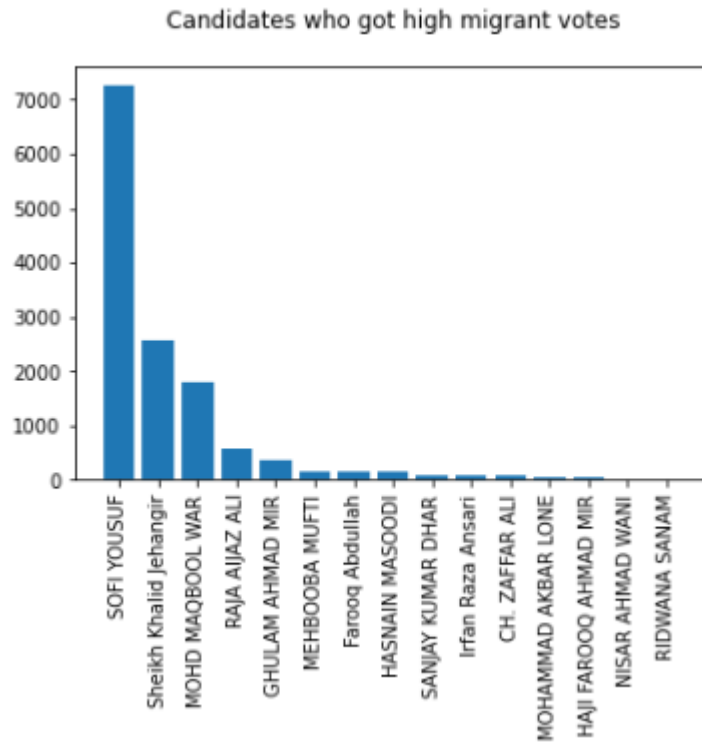
11)Highest number of electors in a constituency

highest number of electors in constituency

INFERENCE:

- ➢ This bar graph represent the top 15 places with most number of Electors.
- ➢ In the first place Malkajgiri which got more than Rs.30 lakhs electors followed by Bangalore North with more than RS.25 lakhs electors

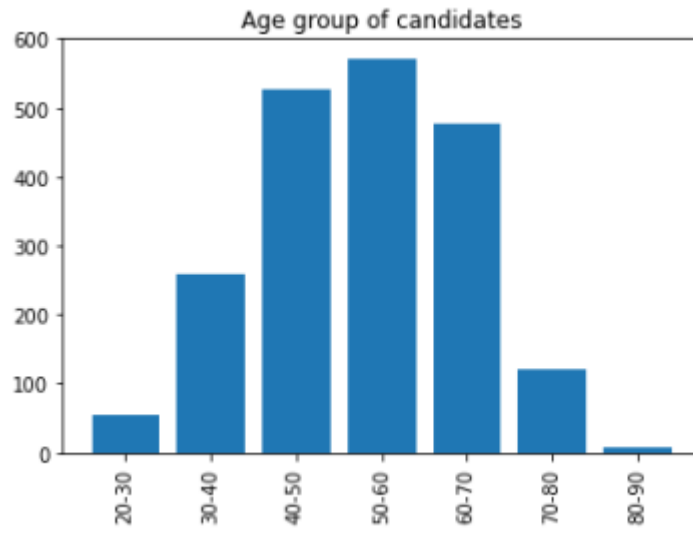**12)Candidates who got highest Migrant votes in the Elections 2019**

Candidates who got high migrant votes

Migrant Votes:

The Votes polled by the people whose hometown are other than constituency but works or lives in the constituency.

INFERENCE:

➢ This bar graph represent the top 15 candidates who got highest Migrant Votes in the country.
➢ In the first place SOFI YOUSUF who got more than 7000 migrant votes followed by Sheikh khalid Jahangir with more than 2000 migrant votes
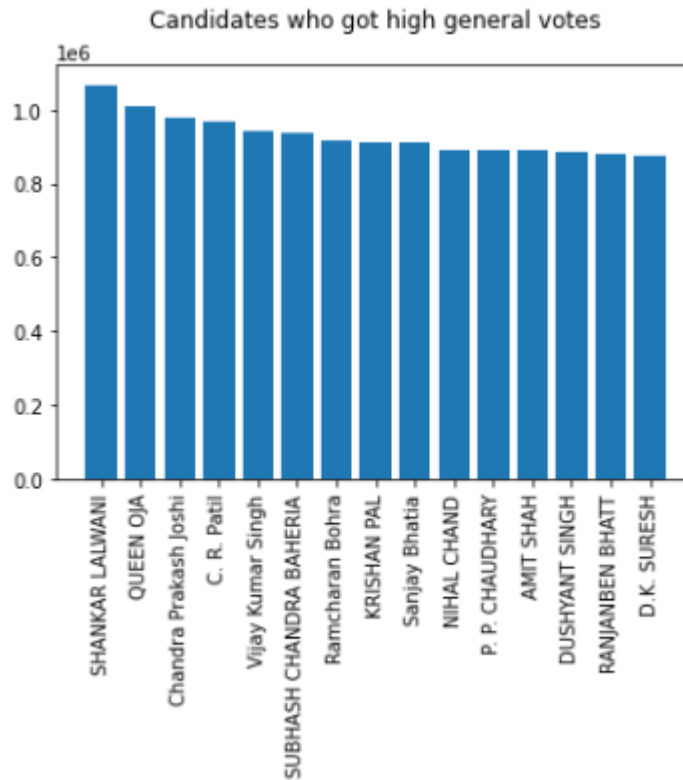
13)Age group of candidates participated in 2019

Age group of candidates

INFERENCE:

➢ This above graph represent the Number of candidates in each age group

➢ From the graph,it shows that most of the candidates participated are from 40-50,50-60,60-70.

➢ These age group candidates are more than any other age group candidates ,it represents that the experience also matters to participate in the Elections

➢ There are very less candidates from age group 20-30,80-90.these two category represents the entry level and exit level in the politics.
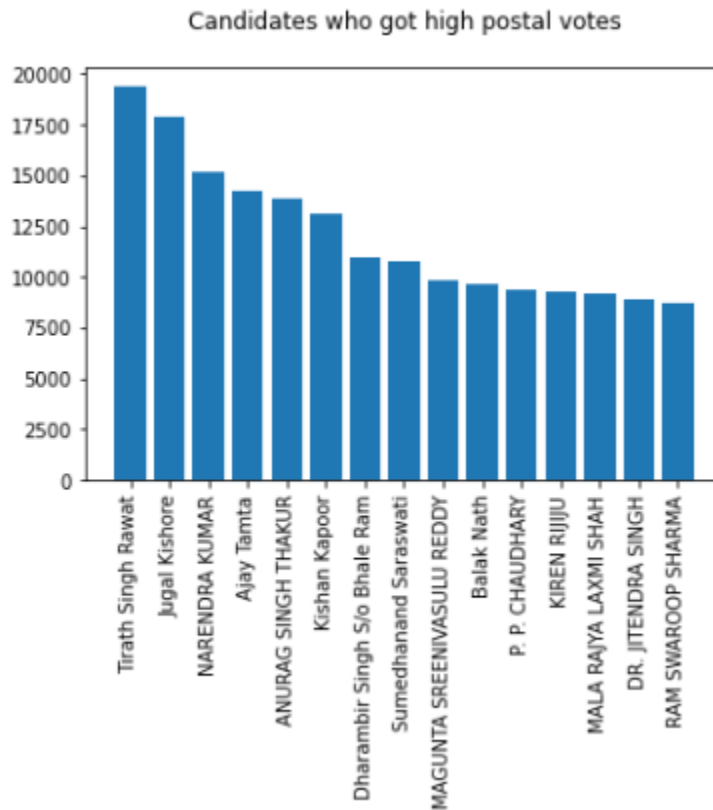
14)Candidates who got high general votes

Candidates who got high general votes

General Votes:

The Votes polled by the people in the evm machine at the polling in the constituency.

INFERENCE:

- ➢ This bar graph represent the top 15 candidates who got highest General Votes in the country.
- ➢ In the first place Shankar Laiwani who got more than 1000000 general votes followed by Queen Oja with near to 1000000 general votes
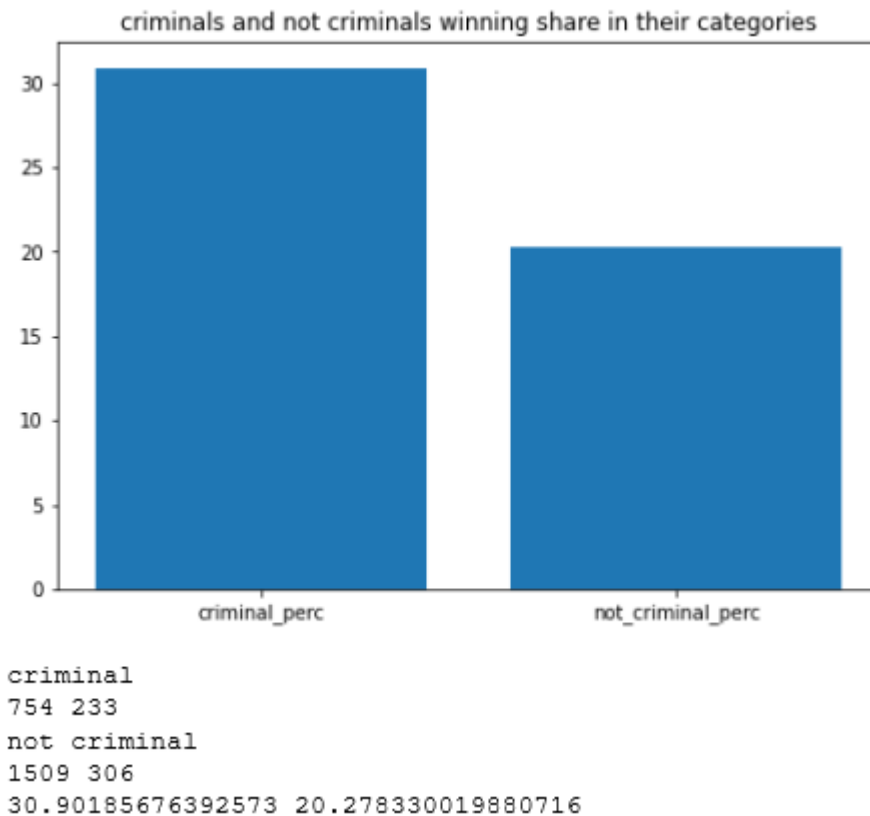
15)Candidates who got highest postal votes.

Candidates who got high postal votes

General Votes:

Postal voting is voting in an election where ballot papers are distributed to electors (and typically returned) by post, in contrast to electors voting in person at a polling station or electronically via an electronic voting system.

INFERENCE:

➢ This bar graph represent the top 15 candidates who got highest General Votes in the country.

➢ In the first place Tirath singh rawat who got more than 17500 postal votes followed by Jugal kishore with near to 17500 postal votes

B) Does criminals play an important role in winning Indian Lok Sabha elections?

criminals and not criminals winning share in their categories

```
criminal
754 233
not criminal
1509 306
30.90185676392573 20.278330019880716
```

Criminal:

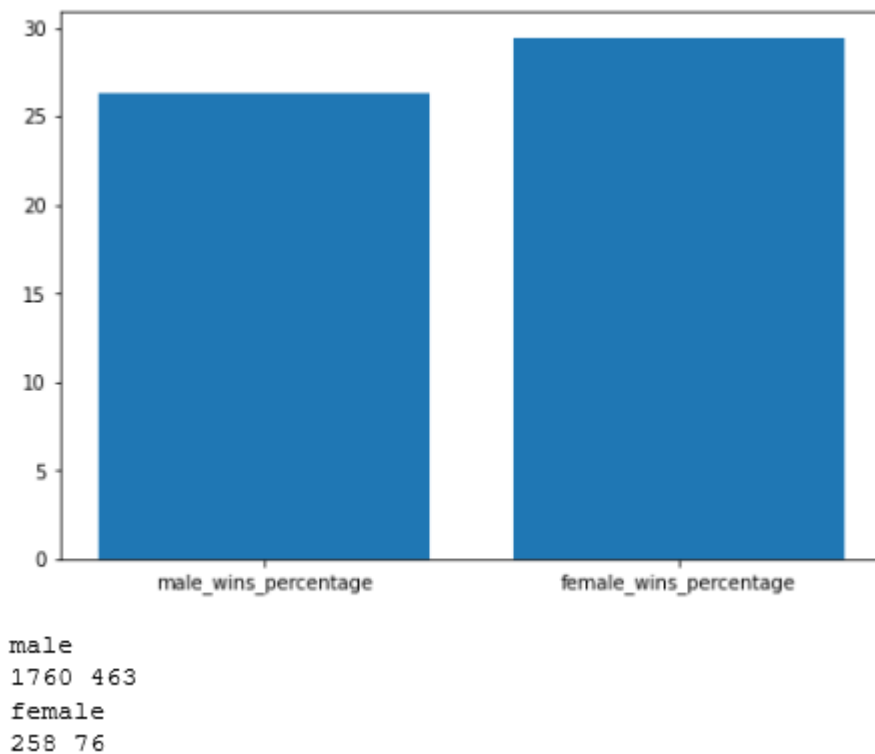A person who have more than or 0 criminal cases

Non Criminal:

A person who have 0 criminal cases

INFERENCE:

➢ This bar graph represents criminals winning share among all the criminal and non criminal winning case among all non criminals

➢ From the given bar graph ,we can see that the criminals winning among all criminals is more than non criminals winning ratio among all the non criminals.

➢ Among 754 criminals 233 criminals have won the seats and among 1509 non criminals 306 have won the seats

➢ From the given statistics of the graphs, it shows that criminals play an important role in the loksabha elections, as they high winnings compared to non criminals
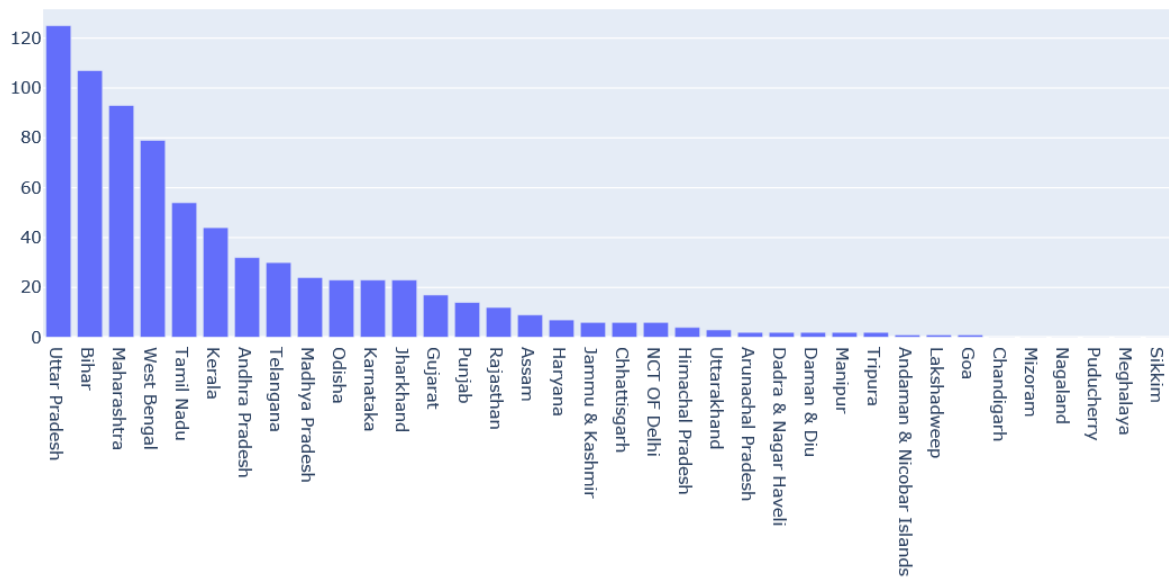
C) Does the presence of Female lok sabha candidates irrespective of party somehow influences the outcome of the result?


```
male
1760  463
female
258  76
```

INFERENCE:

➢ This bar graph represents males winning share among all the males and females winning case among all females in loksabha 2019 elections.

➢ From the given bar graph ,we can see that the females winning among all females is more than males winning ratio among all the males.

➢ Among 258 females ,76 females have won the seats and among 1760 males ,463 have won the seats.

➢ From the given statistics of the graphs, it shows that females play an important role in the loksabha elections and have somehow influences outcome of the result, as they high winnings compared to males.
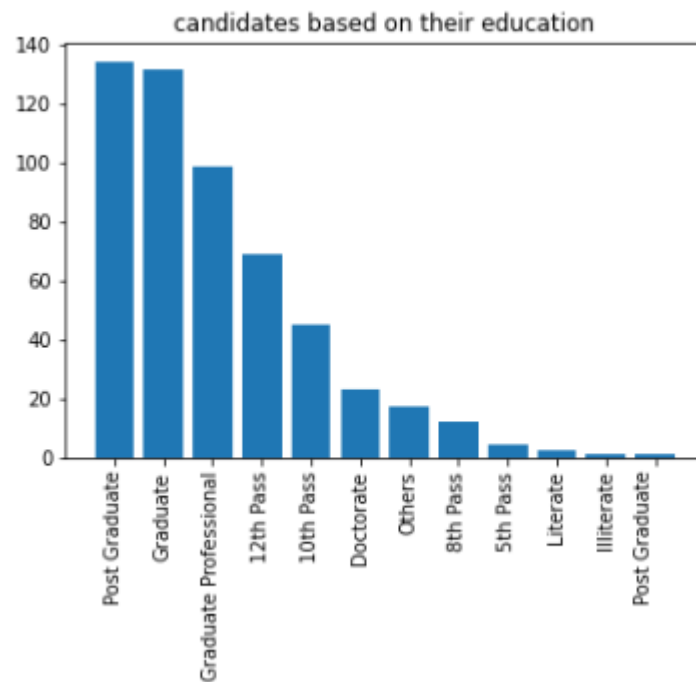
D) Which state has the highest number of criminals elected either Male or Female for the Lok Sabha?

INFERENCE:

➤ This bar graph represents the states and number of candidates who have more than 0 criminal cases.

➤ From the above bar graph, it shows that Uttar Pradesh has more number of candidates who have participated in 2019 loksabha elections with more than 0 criminal cases

➤ Uttar Pradesh have got more than 120 candidates, followed by Bihar with more 100 candidates, followed by Maharashtra with more than 80 candidates.

E) How many elected MP's for the Lok Sabha are educated and does education plays any important role in winning elections for the Lok Sabha?

candidates based on their education

INFERENCE:

➢ This Bar graph represents the candidates who won the 2019 lok sabha elections based on their education.

➢ From the above graph, it shows that the candidates who won in elections have good education.

➢ Most of the candidates who have won in the elections are having one of three degrees from post graduation, graduate or graduate professional.

➢ Very less number of people who won have degree less than 12th pass.

➢ This education also have impact on the political system and in being a leader

➢ By achieving the degree not only represents the education they have got but also the knowledge to live in society , leadership, ethics , etc … are learnt from the education.

➢ These qualities must contain in a leader to rule properly in an ethical way.

Conclusion:

From the analysis, we can conclude that lok sabha elections held in the india 2019 is analysed in so many ways which brings out the more information regarding each and every parameter in the given data.

More number of criminals are participating in the elections and winning the elections in the 2019.So in the next election the criminal candidates must be reduced and non criminals must try harder to win the elections. States like Uttar Pradesh, Bihar etc.. have high number of candidates with most number of criminal cases. So parties must take care while choosing their candidate to stand in a constituency. Education must be made as important for a candidate to stand in the constitutency as education helps to gain more knowledge and some other qualities to be as a leader