

ASSIGNMENT



Submitted By:

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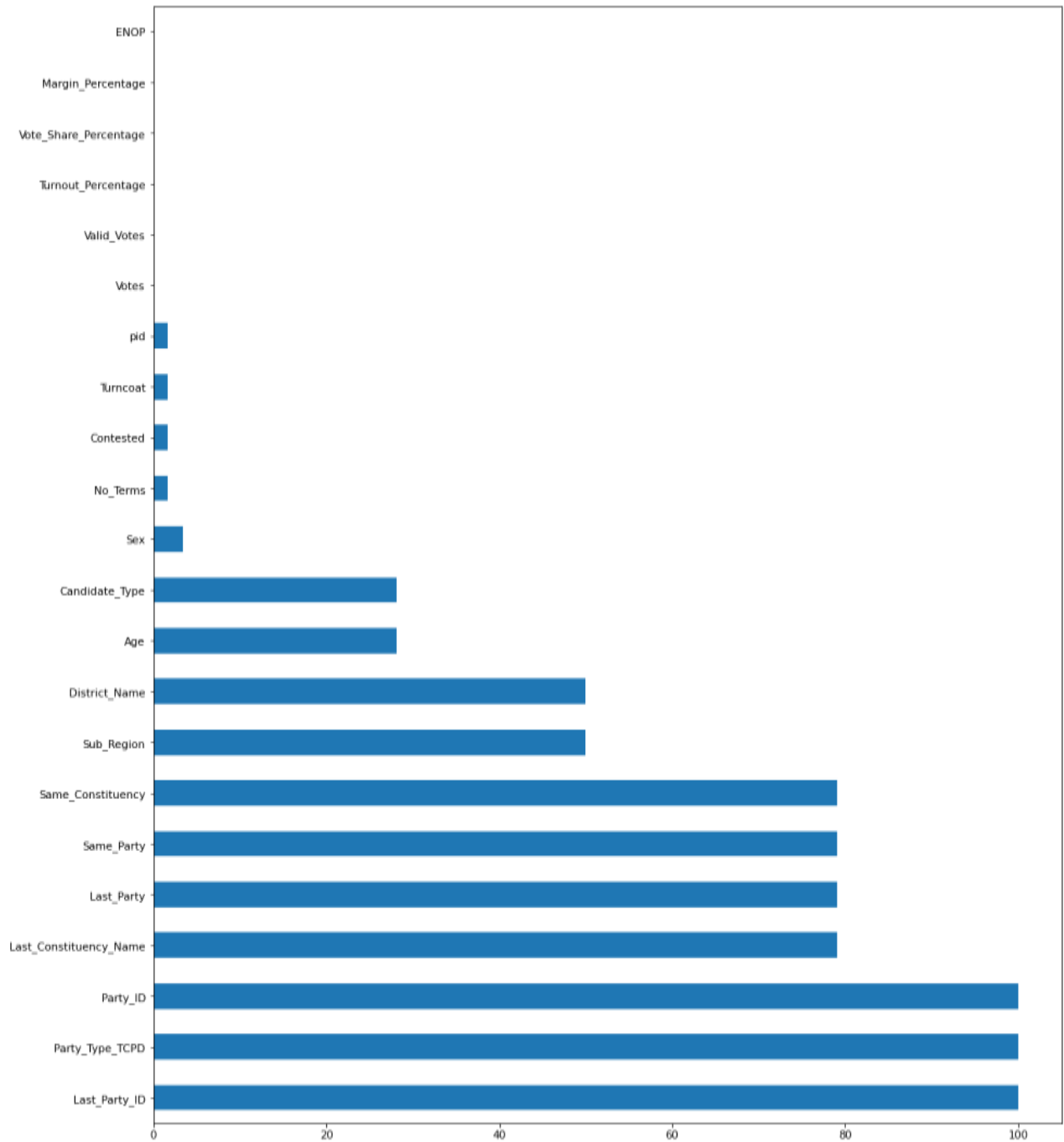
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Github link : https://github.com/Pawan17PE10042/Utter_Pradesh-Election-Data

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1. About Data

- This Data contain a 24744 Rows and 41 Column.
- Data contains 22 Numerical columns.
- % Missing Data are:



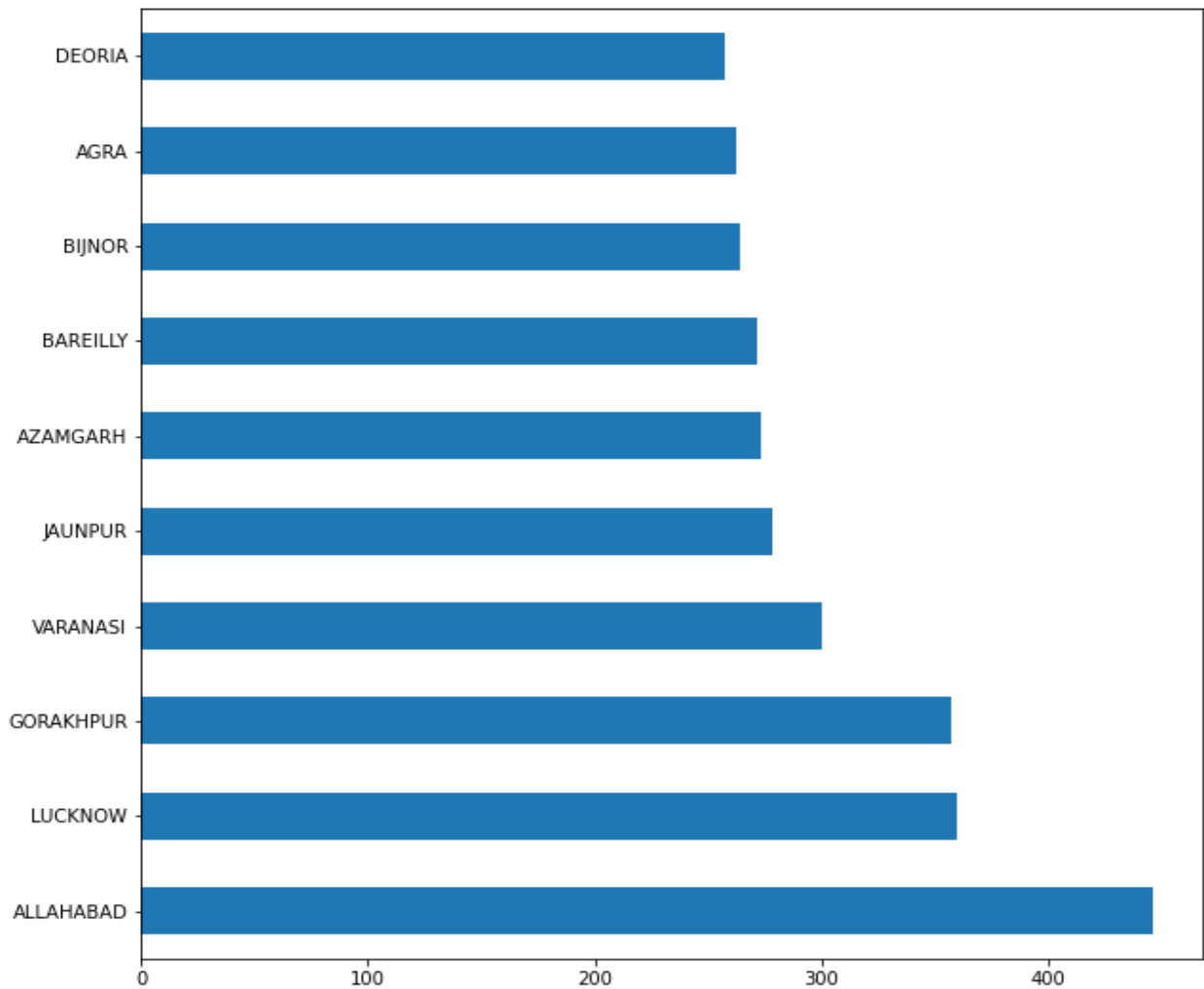
2. Data Visualization and Conclusion

2.1. District Wise votes

- There are 76 Districts Columns.
These are:

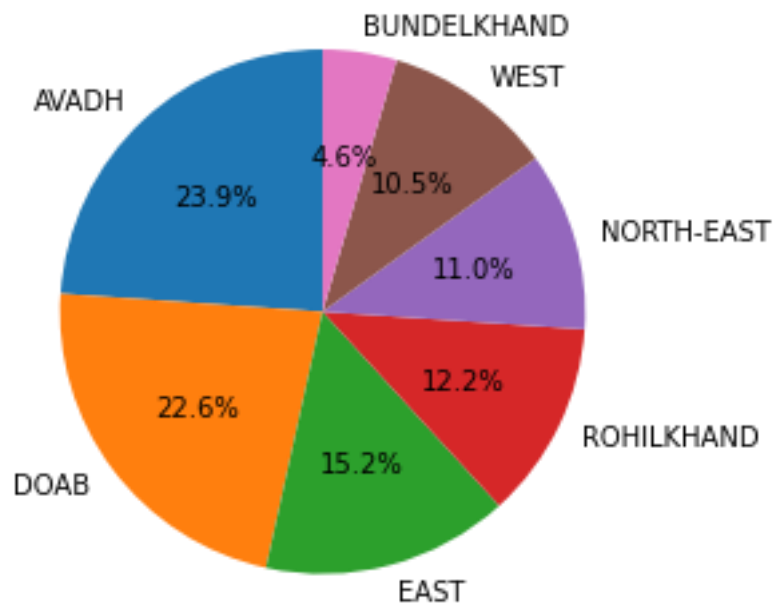
1.SAHARANPUR 2.PRABUDDHA NAGAR 3.MUZAFFARNAGAR 4.BIJNOR 5.MORADABAD 6.BHEEM NAGAR 7.RAMPUR 8.JYOTIBA PHULE NAGAR 9.MEERUT 10.BAGHPAT 11.GHAZIABAD 12.PANCHSHEEL NAGAR 13.GAUTAM BUDH NAGAR 14.BULANDSHAHR 15.ALIGARH 16.MAHAMAYA NAGAR 17.MATHURA 18.AGRA 19.FIROZABAD 20.KANSHIRAM NAGAR 21.ETAH 22.MAINPURI 23.BADAUN 24.BAREILLY 25.PILIBHIT 26. SHAHJAHANPUR	27.LAKHIMPUR KHERI 28.KHERI 29.SITAPUR 30.HARDOI 31.UNNAO 32.LUCKNOW 33.RAE BARELI 34.CHHATRAPATHI SHAHUJI MAHARAJ GAR 35.SULTANPUR 36.FARRUKHABAD 37.KANNAUJ 38.ETAWAH 39.AURAIYA 40.RAMABAI NAGAR 41.KANPUR GRAMEEN 42.KANPUR NAGAR 43.JALAUN', 44.JHANSI 45.LALITPUR 46.HAMIRPUR 47.MAHOBA 48.BANDA 49.CHITRAKOOT', 50.FATEHPUR 51.PRATAPGARH 52.KAUSHAMBI	53.ALLAHABAD 54. BARABANKI 55.FAIZABAD 56. AMBEDKAR NAGAR 57. BAHRAICH 58.SHRAVASTI 59.BALRAMPUR 60.GONDA 61.SIDDHARTH 62. NAGARBASTI 63. SANT KABIR NAGAR', 64.MAHARAJGANJ 65.GORAKHPUR', 66.KUSHINAGAR 67.DEORIA', 68.AZAMGARH', 69.MAU', 'BALLIA', 70. JAUNPUR', 71. GHAZIPUR', 72CHANDAUJI', 73.VARANASI', 74.SANT RAVIDAS NAGAR 75.MIRZAPUR 76. SONBHADRA']
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- **Top 10 Districts which contains a major votes**



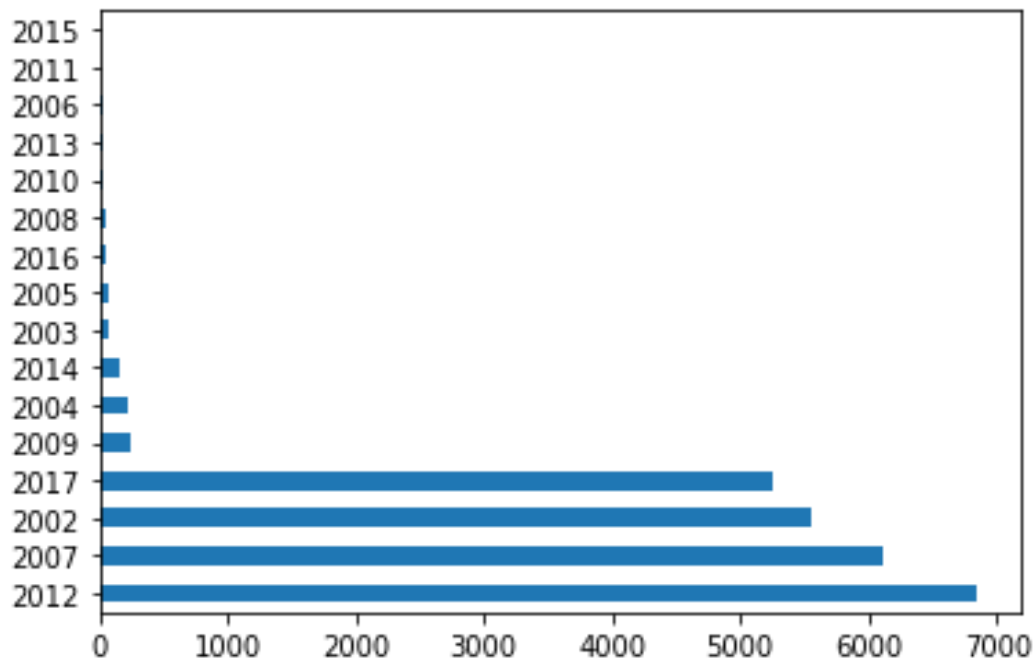
From above graph we can conclude Major votes are from Allahabad, Lucknow, Gorakhpur, Varanasi,, Jaunpur, Azamgarh and Bareily..

2.2. % Distribution of Votes in Sub Regions



- Top 5 major Votes Sub Region are: DOAB, AVADH, EAST, ROHILKAND and NORTH-EAST

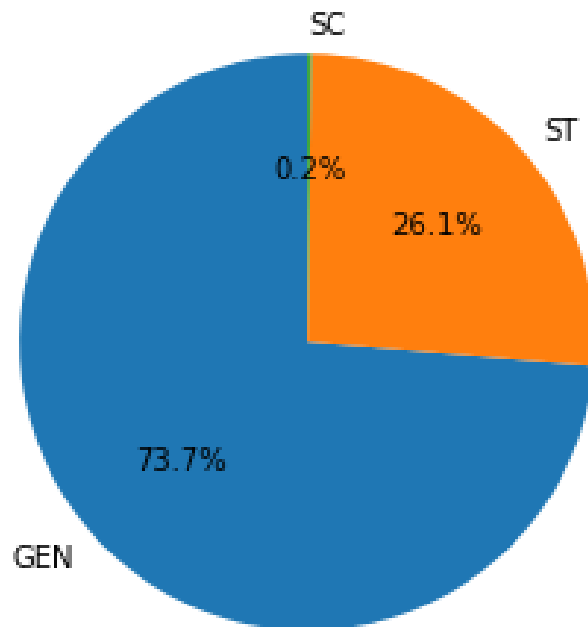
2.3. % Distribution of Votes in Years.



- From the Above graph we can conclude 2012, 2007, 2002 and 2017 years in which major voting happened.

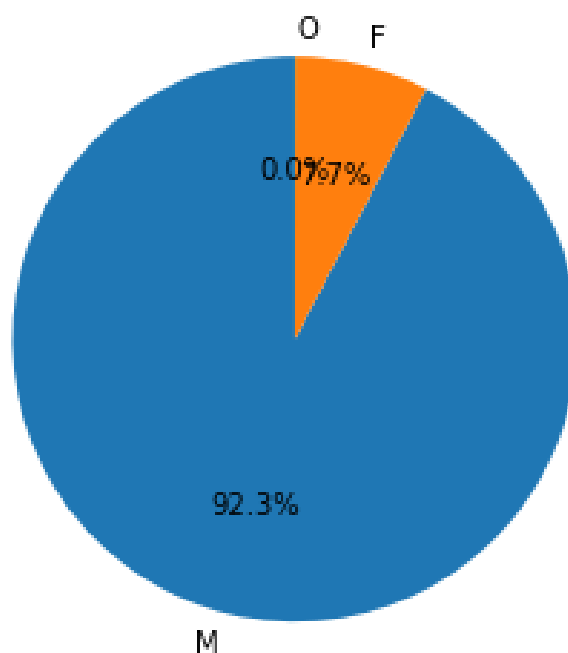
2.4. % Contribution of Votes Cast wise.

- There are three types of cast is Voters.

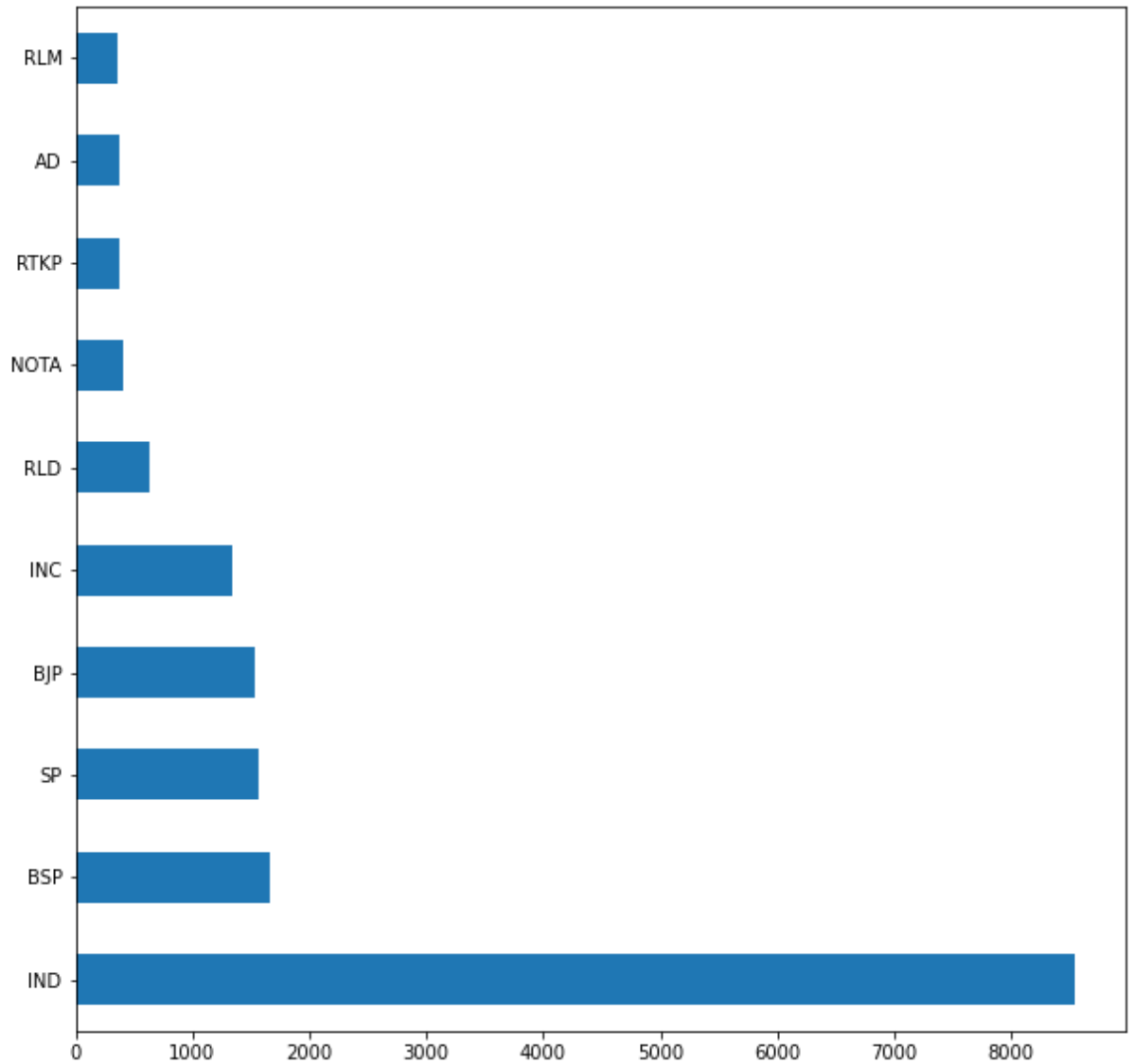


- Major Voters are 'General' in Category.

2.5. % Contribution in Votes of Male/ Female and Others



2.6. Top 10 Major Parties who received Majority of Votes in All elections.



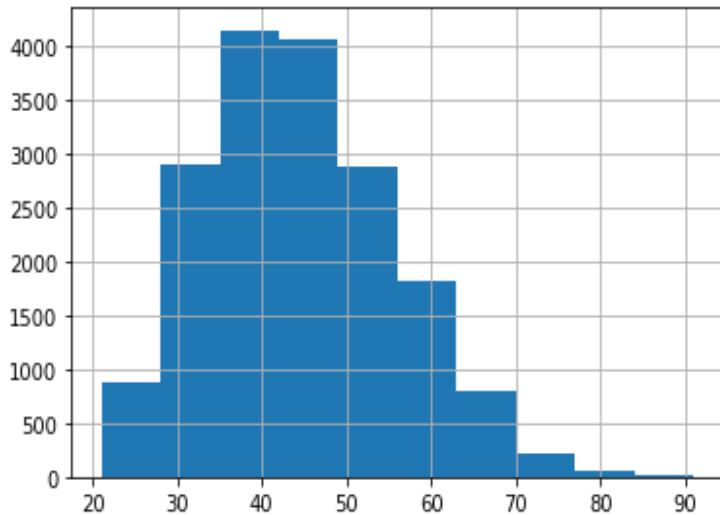
- From above Graphical representation we can conclude that Major votes went to IND, BSP, SP, BJP and INC

2.7. Voters by Age Group

- 28.16% Data is missing in Age column

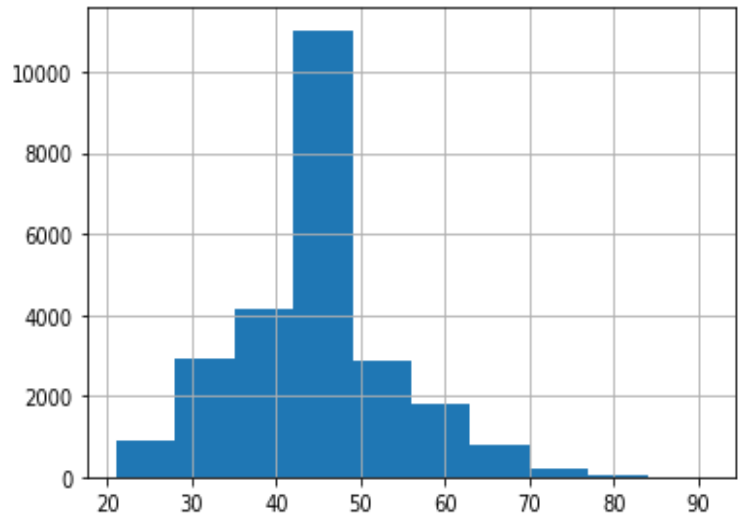
I applied a statistical model for filling a Data.

hist plot before filling a data



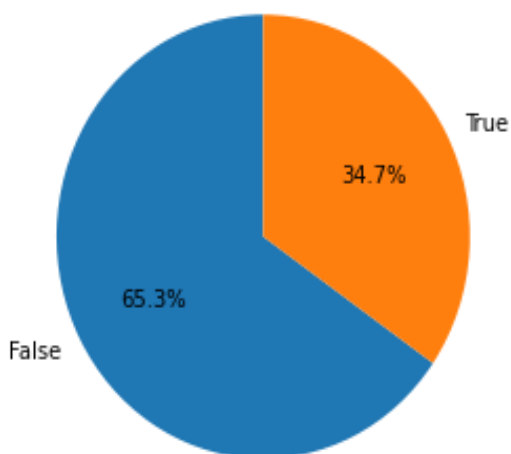
The major voters are from the age group between 30 to 55 year old

hist plot After filling a data

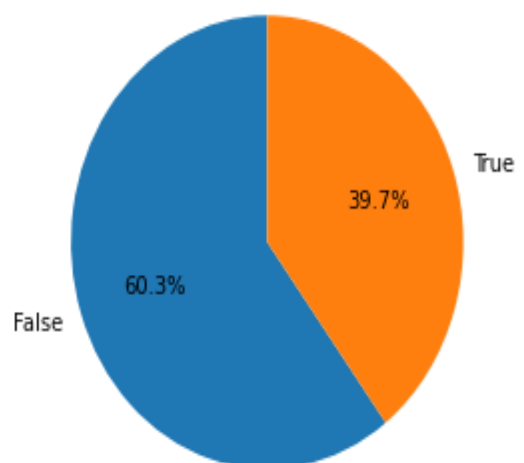


After filling a data the major voters are from the age group between 40 to 50 year old.

- Some another Insight from The Data are:



Major Candidates are not from the same constituency



Major Candidates are not contesting from the same party

