Exploratory Data Analysis on Census Dataset
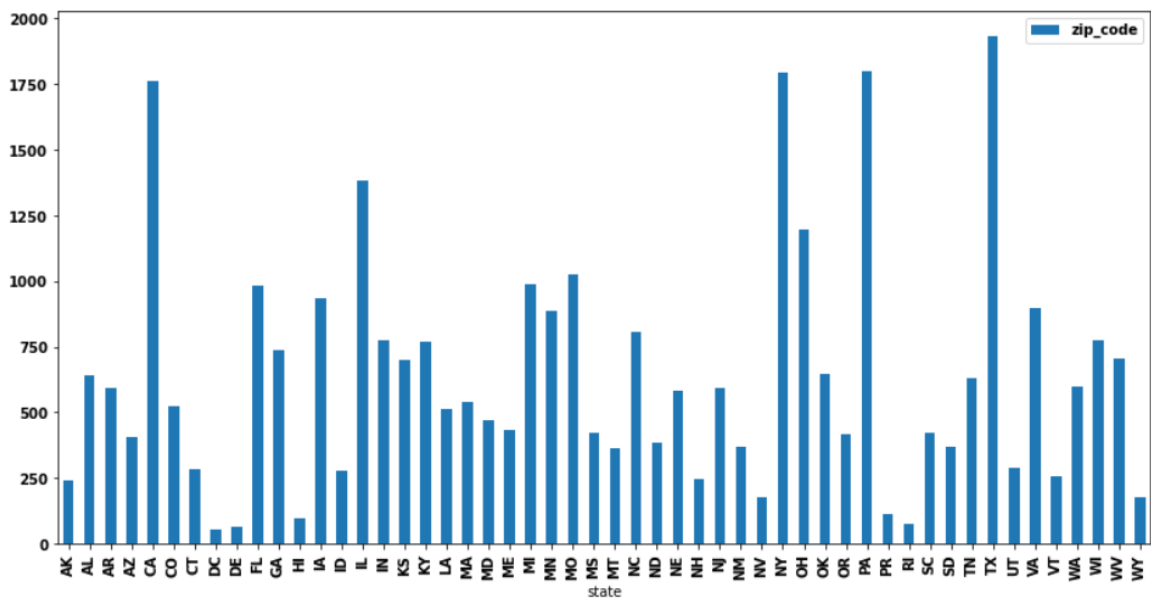
Ashish Jain

Email: ashish.jain@knights.ucf.edu

Census Dataset:

No of Unique Zip Codes	33096
No of Unique Cities	17453

1. **No of Zip-codes in each state in the census dataset:**

2. **Population Density: State wise Visualization:**

   Here Population Density is depicted statewise which gives clear understanding of which state is highly populated and which state is less populated
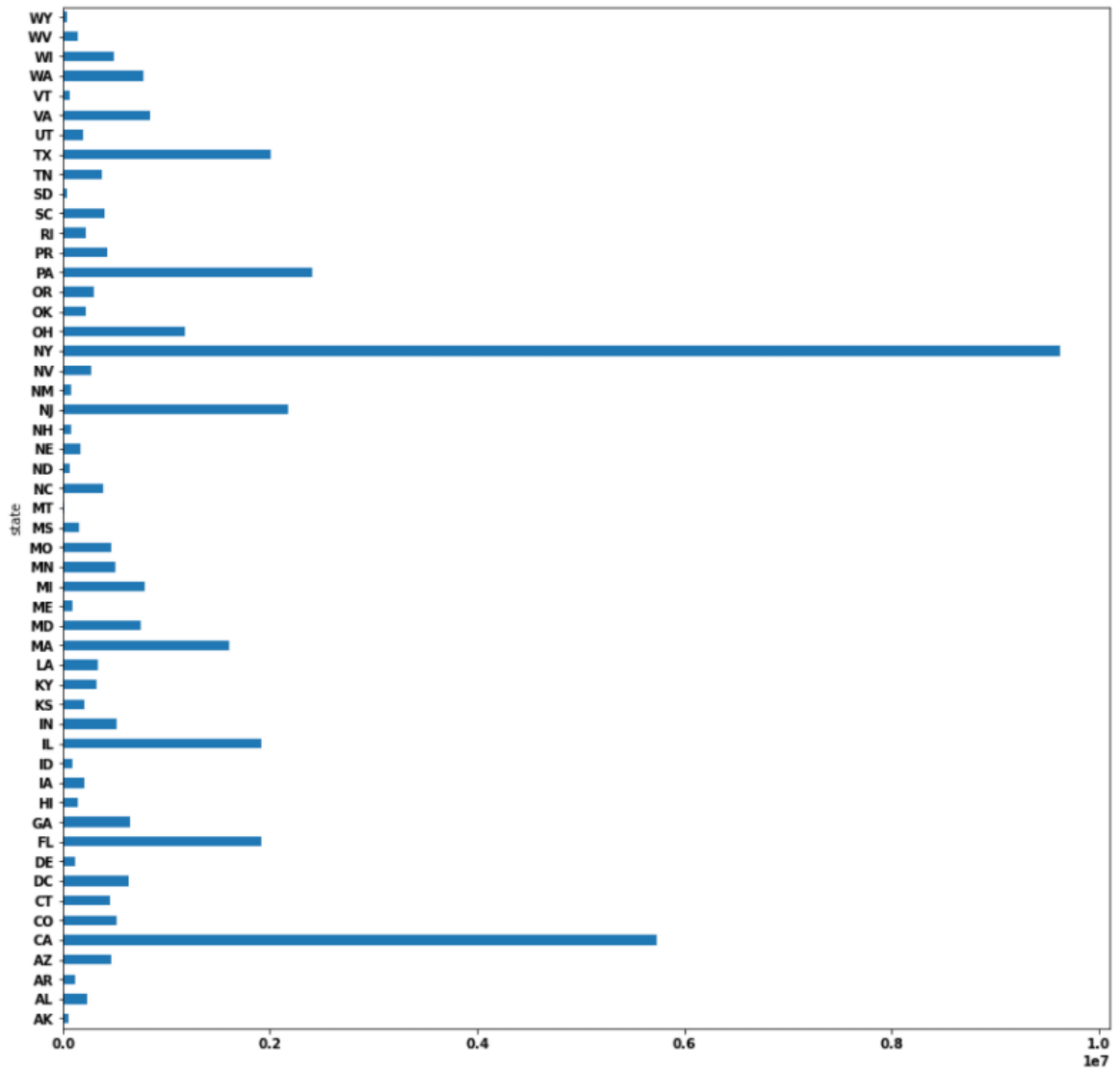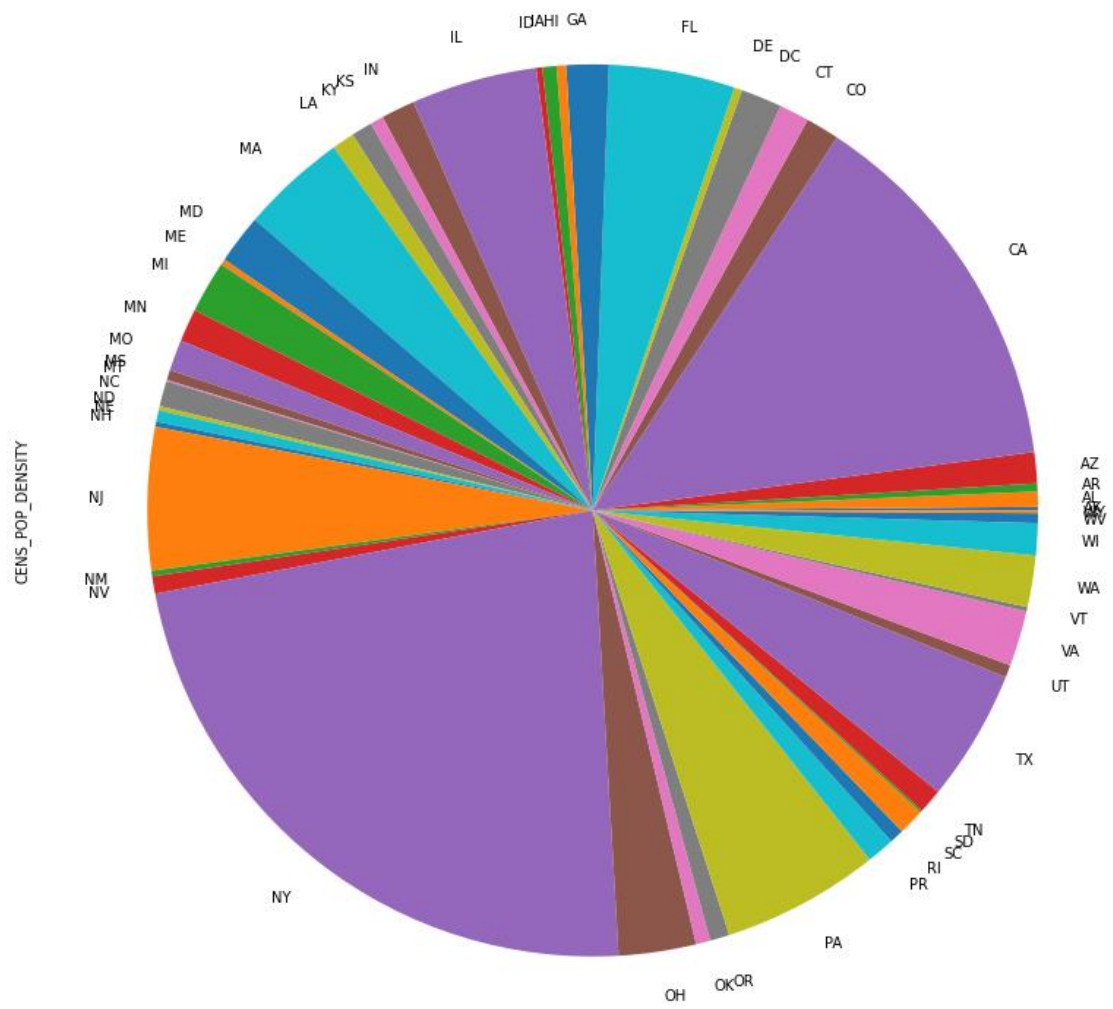
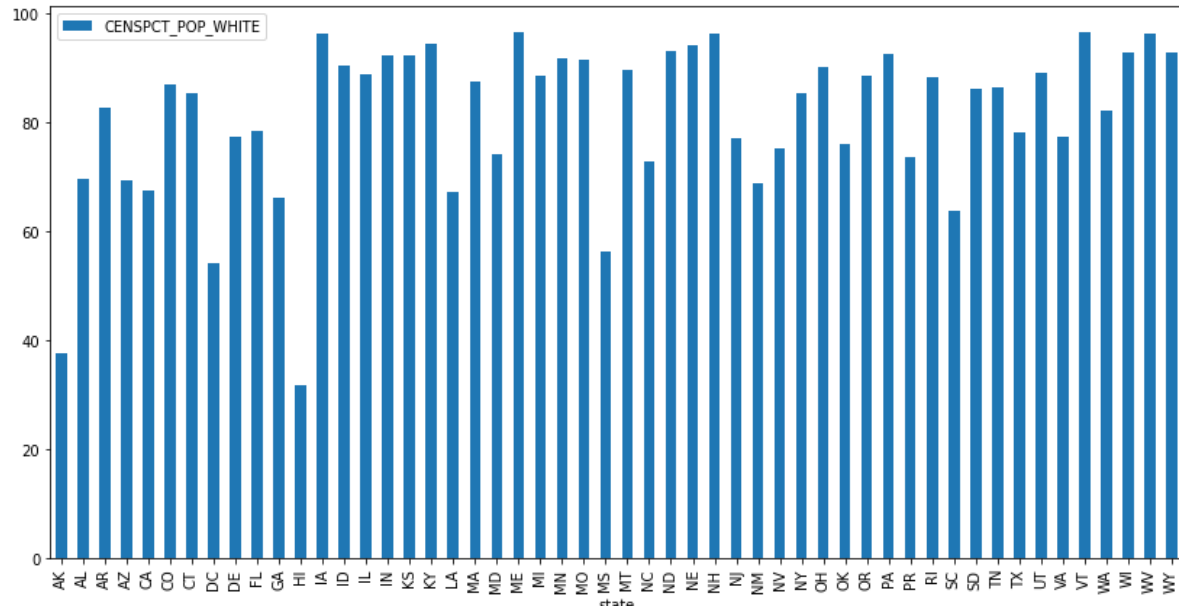Fig above shows Population density State-wise

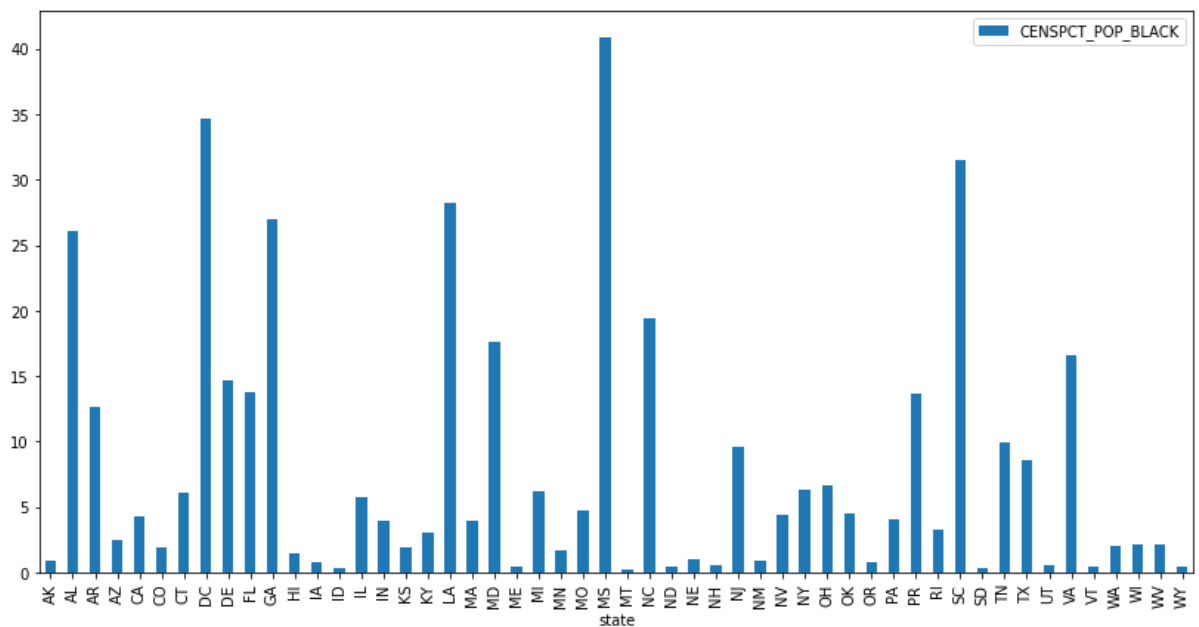Fig above shows Population densty as Pie-chart visualization

3. **Visualization for Percentage of White Population**

   Here I've created a visualization for predicting the percentage of White population state-wise.

4. **Visualization for Percentage of Black Population**

   Here I've created a visualization for predicting the percentage of Black population state-wise.

5. **Population Dynamics for NY state:**

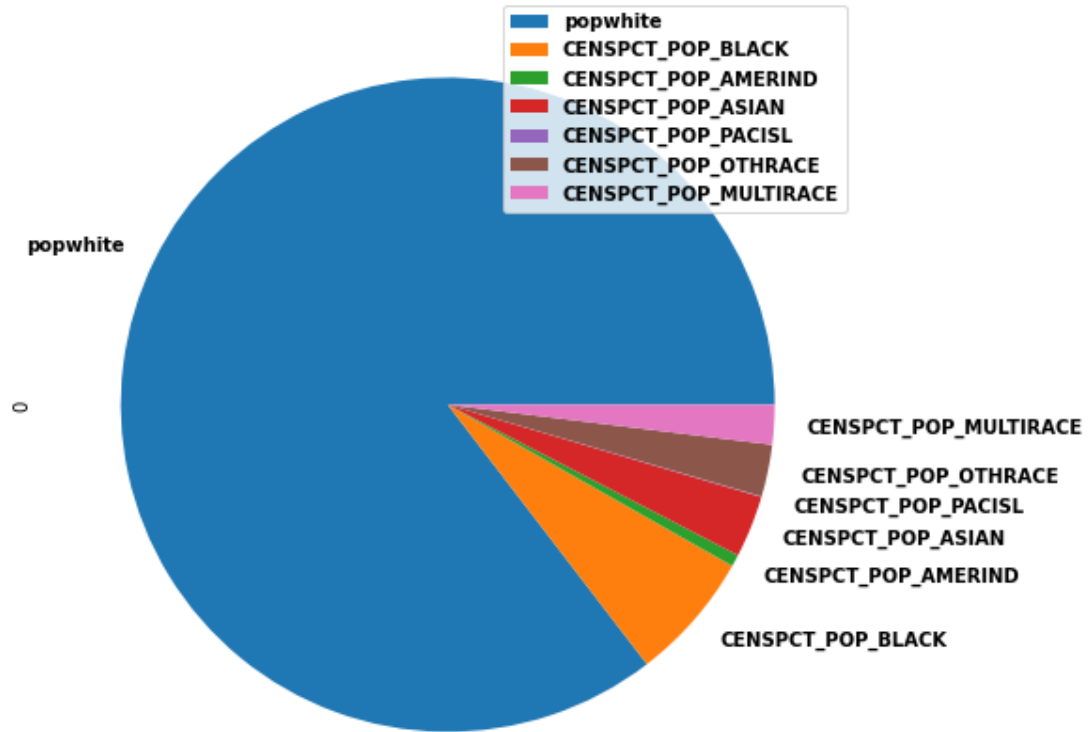Here I've plotted Population diversity for New York State

Fig above shows distribution of Race of Population in New York

6. **Population Dynamics for California state:**

Here I've plotted Population diversity for California State

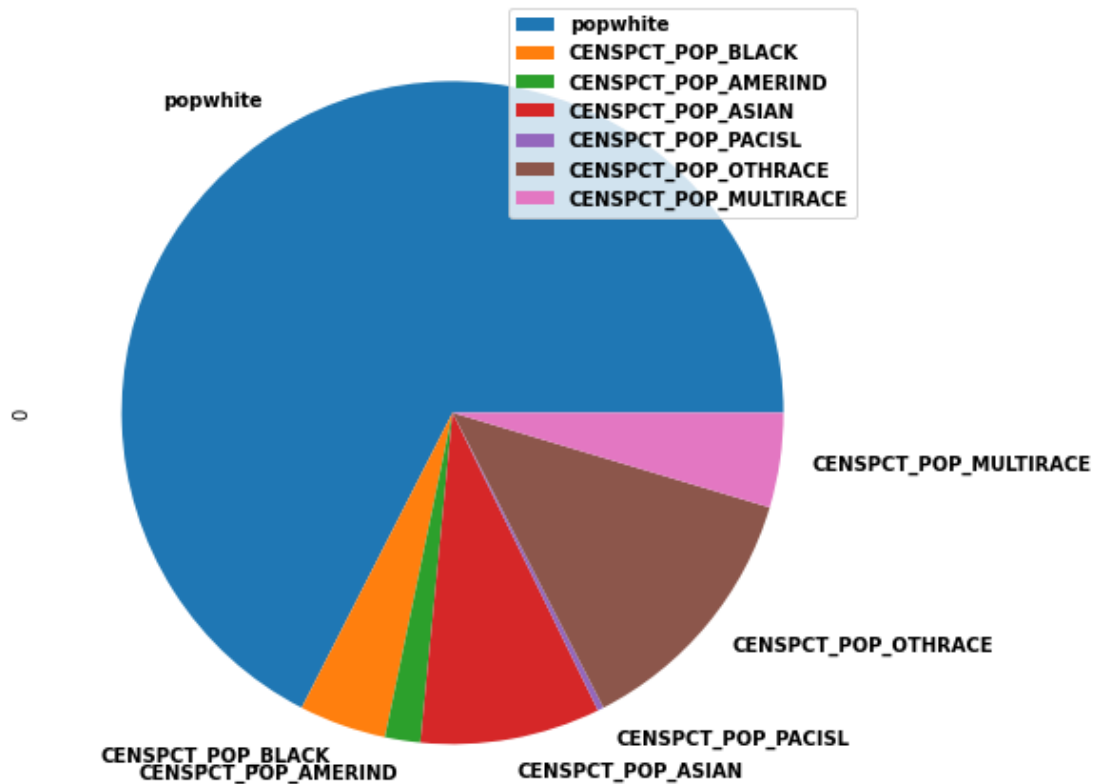We can observe that people of other race are higher in California compared to New-York

Fig above shows distribution of Race of Population in California

7. **USA Map visualization**

Here I've marked California on the USA map which could be used to map Population and more sophisticated visualization including Heat-Map could be added.

8. Age Group of People in USA

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Percentage of Population that are males: 50.168352350524714
Percentage of Population that are Females: 49.831647649475286
Percentage of Population that are Under 18: 22.79226837060709
Percentage of Population that are 18-24: 8.75225650387904
Percentage of Population that are 25-34: 11.31468005476948
Percentage of Population that are 35-44: 12.384505705157531
Percentage of Population that are 45-54: 15.527214057507932
Percentage of Population that are 55-64: 13.679387798569845
Percentage of Population that are 65 and above: 15.5496753385059
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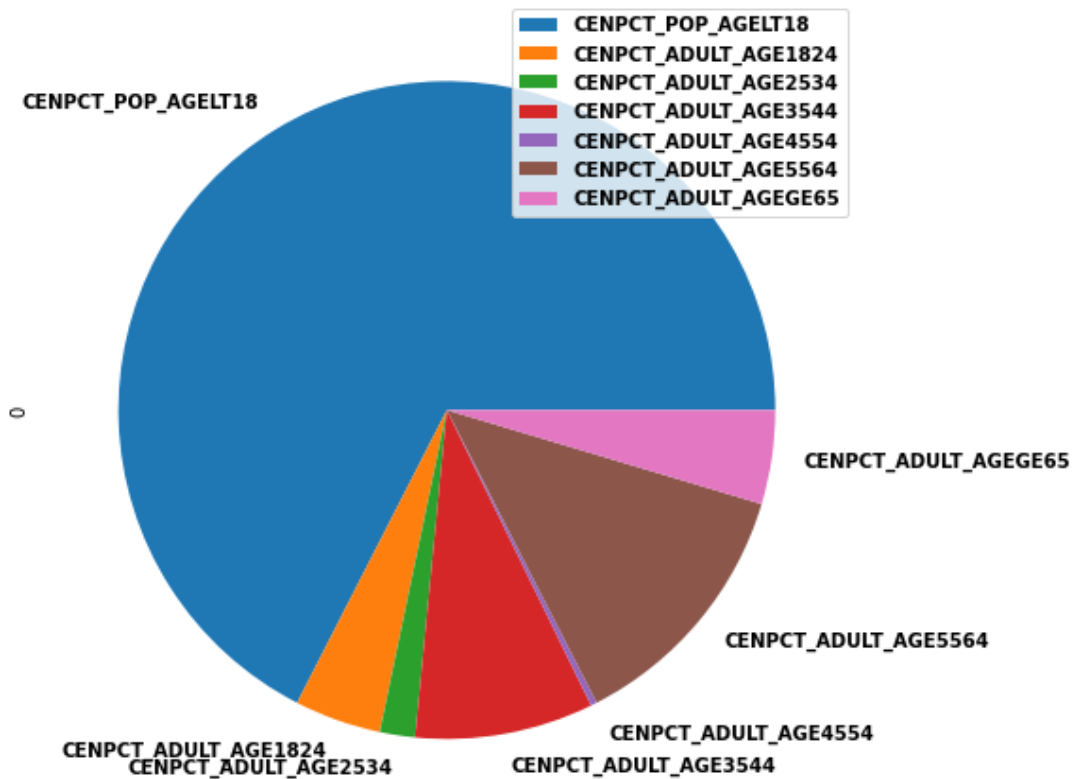

Fig above shows that there is higher population of people under age 18