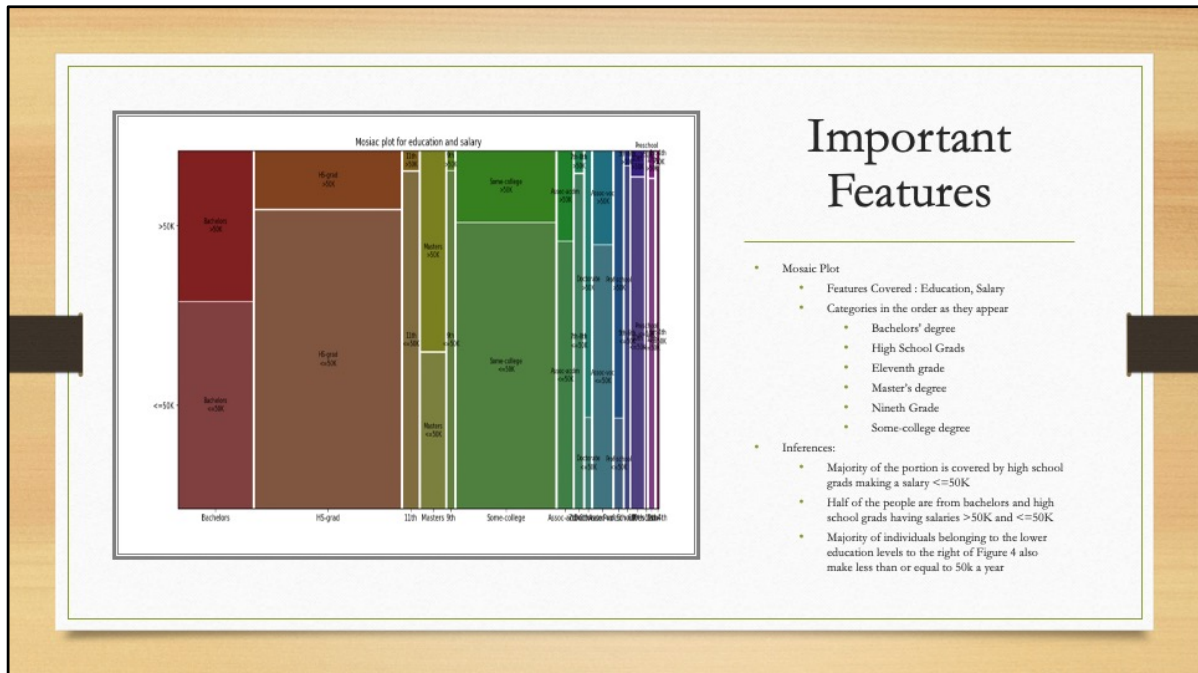# SALARY PREDICTION USING UNITED STATES CENSUS BUREAU DATA

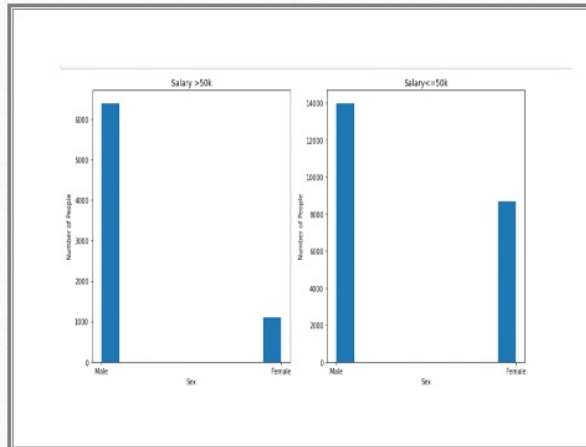- Problem Statement :

  - To create unique marketing profiles with a focus on $50,000 as a significant wage figure.

  - Identify factors that determine the individual's income.

  - Build machine learning models based on the factors which impact the individual income.
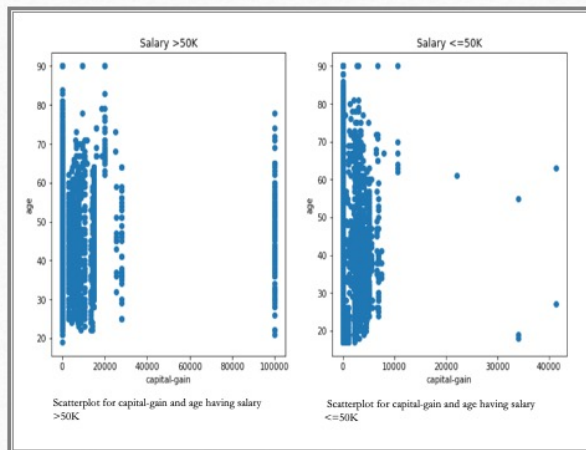
Ruthwik Reddy Ratna

Sudarshan Reddy Mallipalli

Important Features

- Histogram
  - Features Covered: Sex, Number of employees
  - X – axis : Sex
  - Y – axis: Number of employees
- Inferences:
  - More number of male employees have a salary >50K than female employees
  - significant increase in male and female employees where the salary is <=50K
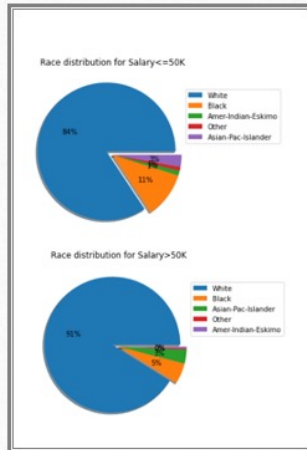
Siva Rama Pavan Kumar Buddi

Sandeep Kumar Reddy Onteddy

Important Features

- Pie Chart
  - Features Covered : Race, Salary
- Inference:
  - Most people making salary <= 50k belongs to white race
  - Most people making salary > 50k belongs to white race

Shivani Devulapally

Conclusion

- Based on our analysis, we found out that Educational level, gender, capital-gain, age and race are the four most significant factors in determining the salary of an individual.
- Ruthwik Reddy Ratna – 2 user stories which determine an individual's salary.
- Siva Rama Pavan Kumar Buddi - 4 user stories which determine an individual's salary.
- Sandeep Kumar Reddy Onteddy - 2 user stories which determine an individual's salary.
- Nithish Kumar Reddy Nallamjompalli - Worked on a system documentation report.
- Sudarshan Reddy Mallipalli - Worked on a system documentation report.
- Shivani Devulapally - Data cleaning/Pre-processing.

Nithish Kumar Reddy Nallamjompalli