



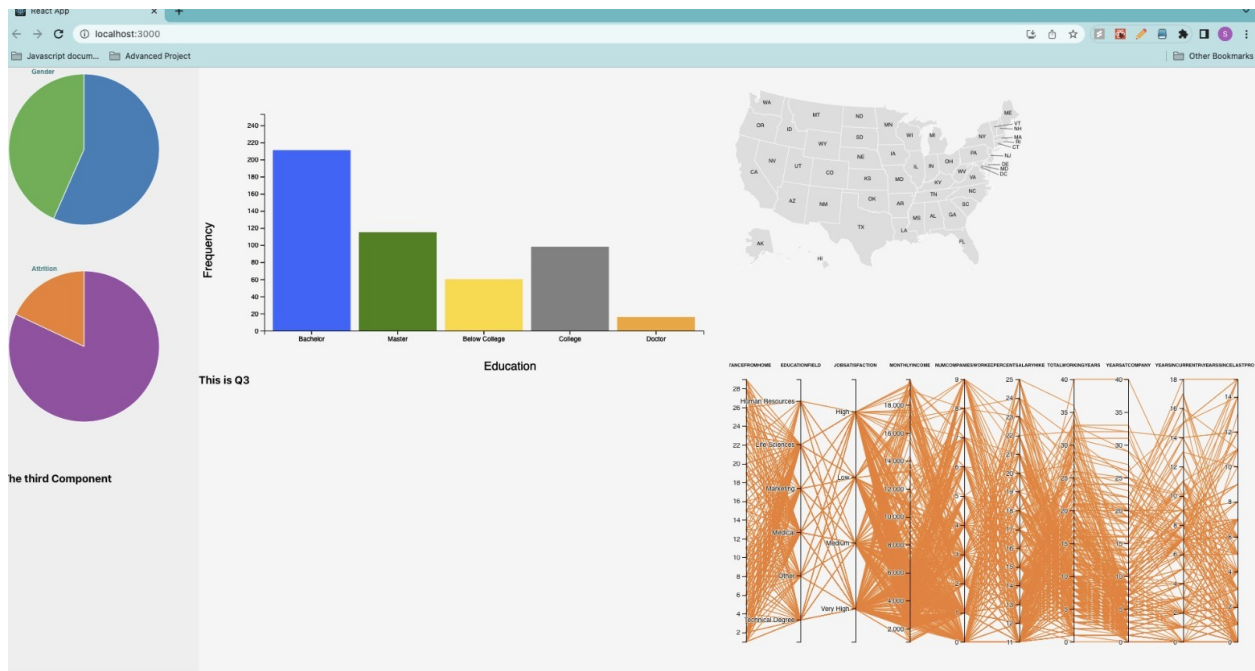
# Employee's Attrition and Performance

Preliminary Report

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## Current Dashboard Snapshot:



We have implemented 5 plots related to “visual analytics of employee attrition and performance.”

### 1. Geo Map :


This plot indicated the average salary earned by employees by region. Upon hovering on each of the states the average salary of the particular state will be displayed.

### 2. Bar Graph:

This graph is a useful tool for visualizing the relationship between the number of employees and their educational qualifications. The graph consists of bars that represent the number of employees in each educational category, such as below college, college level, bachelor's degree, or master's degree. The height of each bar corresponds to the number of employees in that category, making it easy to compare the number of employees in each category

### 3. PCP:

This plot is used to display multivariate data. In our case the attributes like job satisfaction, education field, monthly income, total working years, and years at the company. Here we can observe that employees with higher levels of education tend



to have higher job satisfaction and higher monthly incomes. Alternatively, one might notice that employees who have worked at the company for longer tend to have higher job satisfaction but lower monthly incomes.

#### **4. Pie Chart:**

The pie chart displays the Gender percentage i.e, number of men, women in the company. The attrition percentage between male and women employees.

### **Future Work:**

1. We will be implementing scatter plot, sunburst charts which will provide more insights on the data.
2. We would like to make the plots more interactive, by adding brushing, highlighting and making the layers transparent to make it more visually appealing.
3. We will be finding the patterns and more insights on the dataset by leveraging MDS plot, hence finding the major factors contributing to employee attrition.
4. Finally, we would like to add more interactive features between plots, reorder the plots by quadrants and find a meaningful flow in the plots.