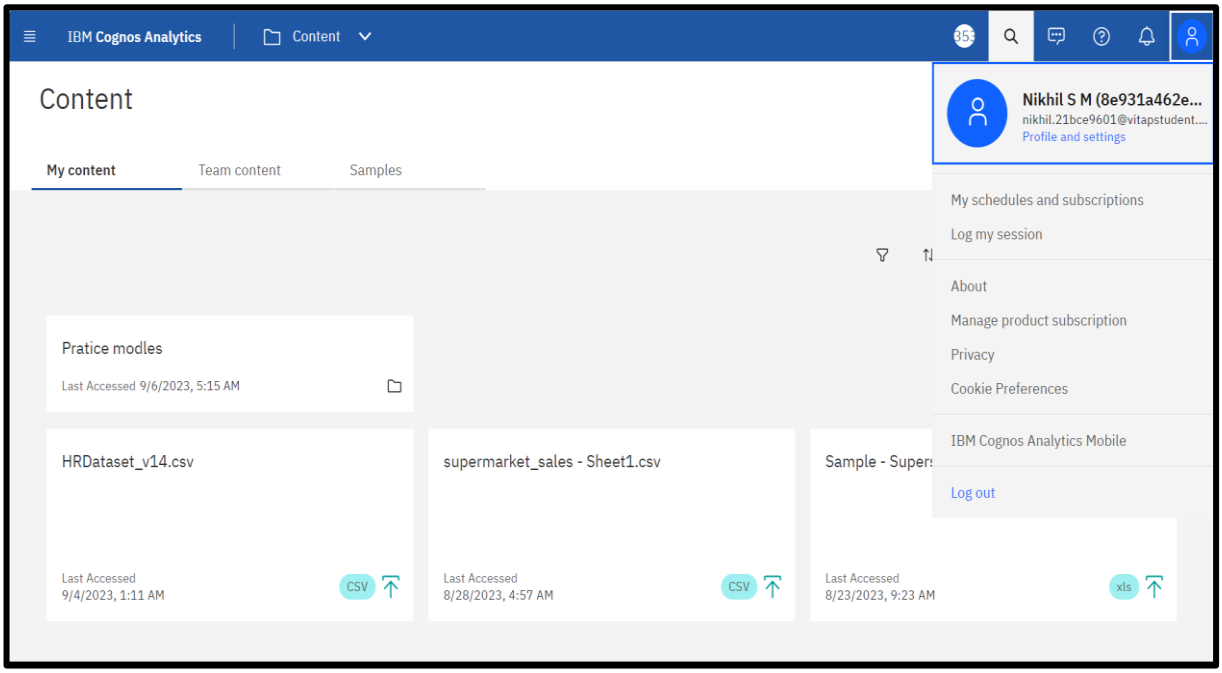
Name: S M Nikhil **Reg.No:** 21BCE9601

IBM Cognos Analytics

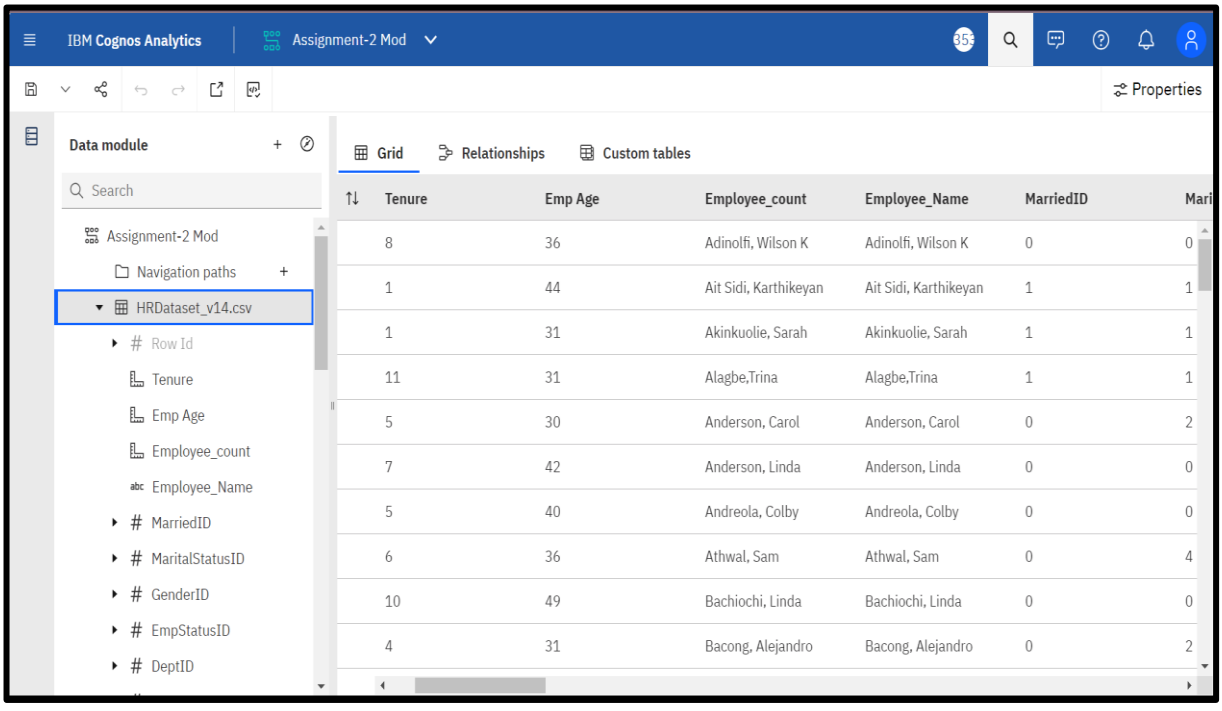
Assignment – 2

1. Upload the dataset to Cognos Analytics:



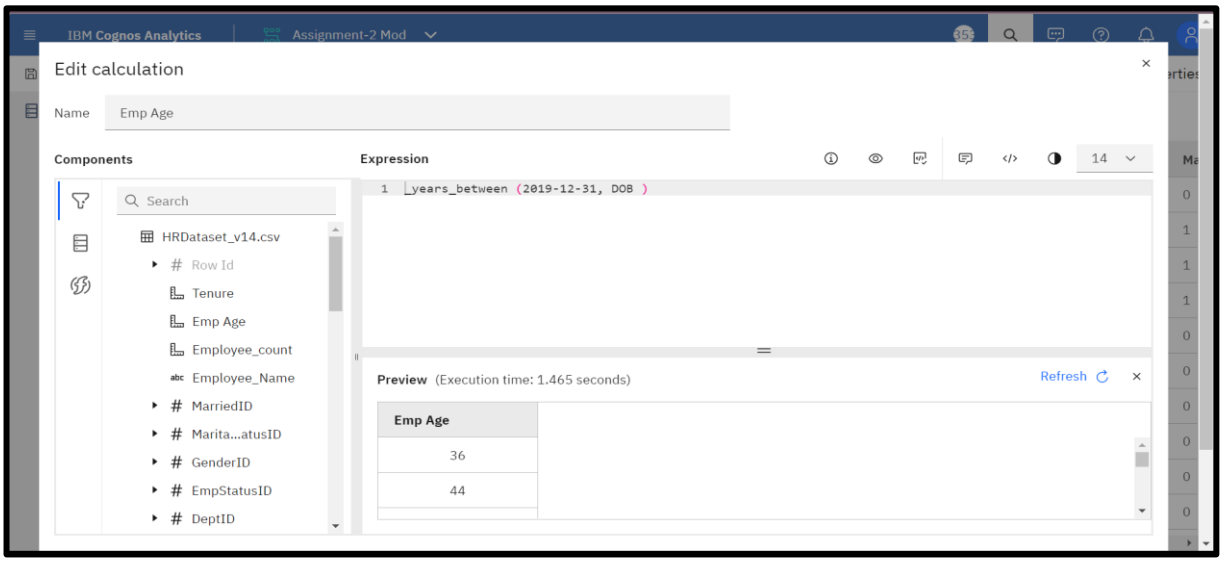
2. Delete the unnecessary columns:

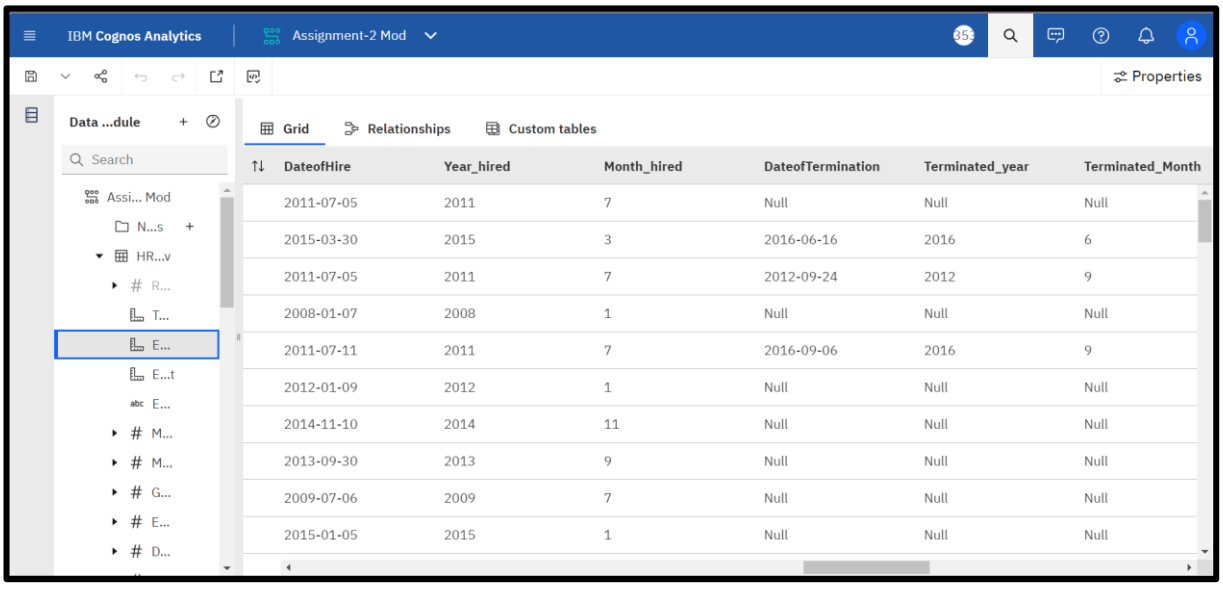
In the above data set Emp_Id and Zip columns are removed as they are not useful for analytics.

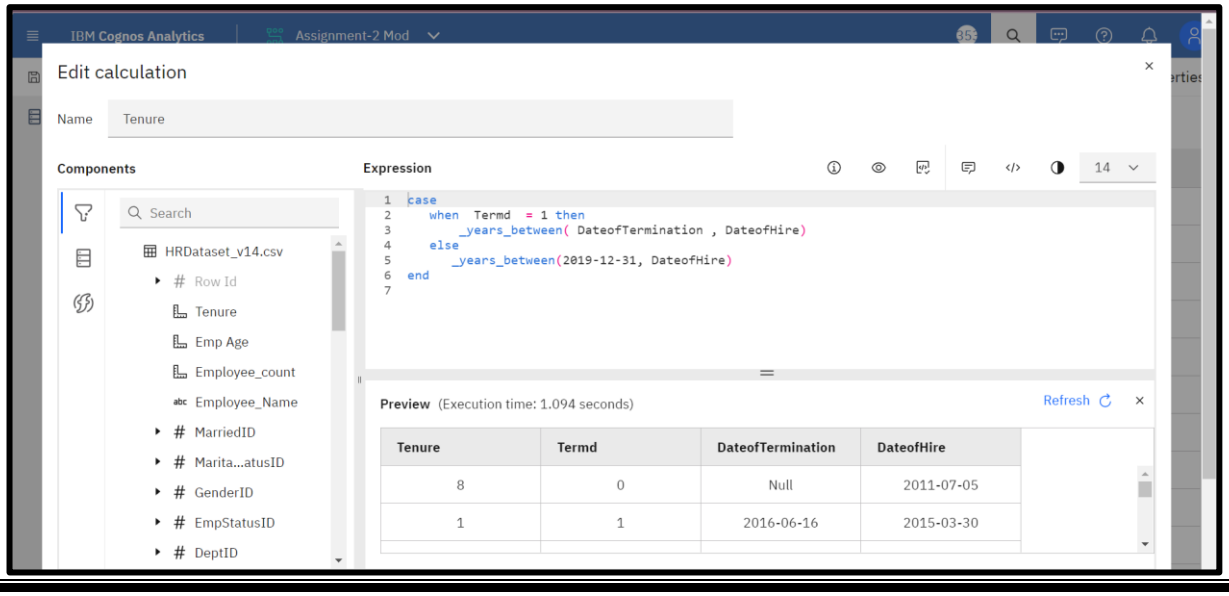


Name: S M Nikhil **Reg.No:** 21BCE9601

Date of hired column is split into Year_hired column and Month_hired. Age column is created on basis of DOB and Present date. Terminated_date is split into Year_ternimated and Month_terminated.

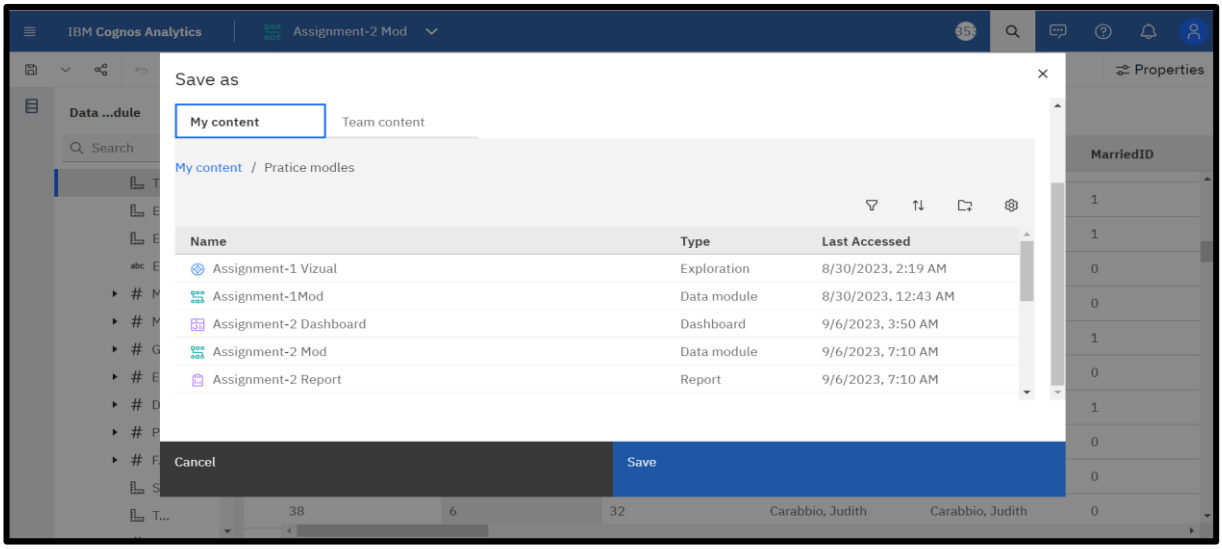






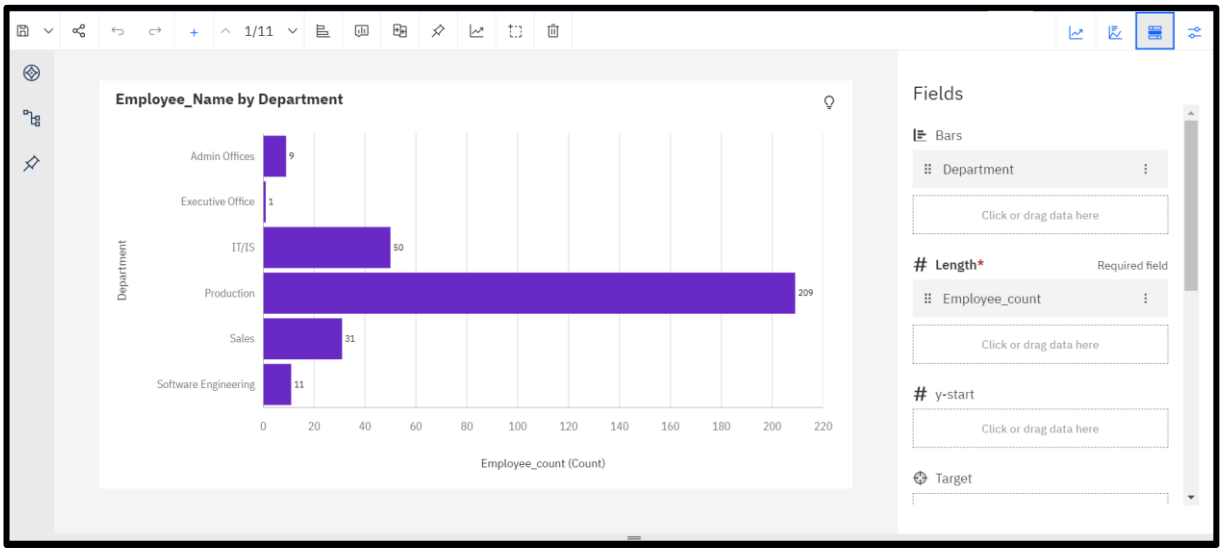
Name: S M Nikhil **Reg.No:** 21BCE9601

3. Create A Data Module:

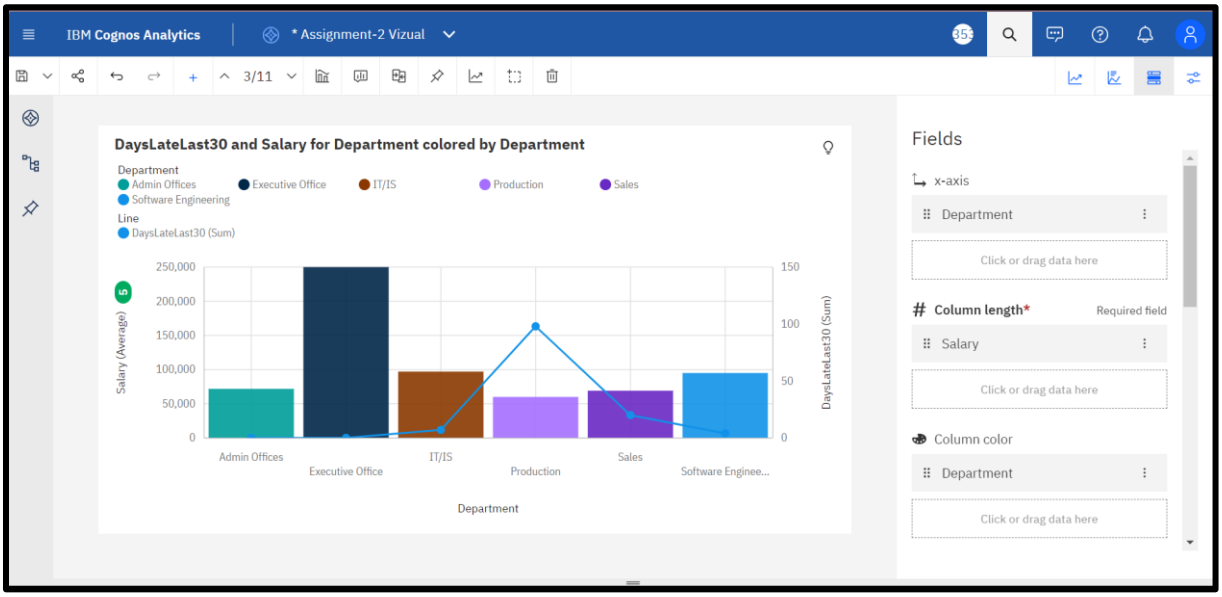


4. Explore And Visualize The Dataset:

1. Bar Graph

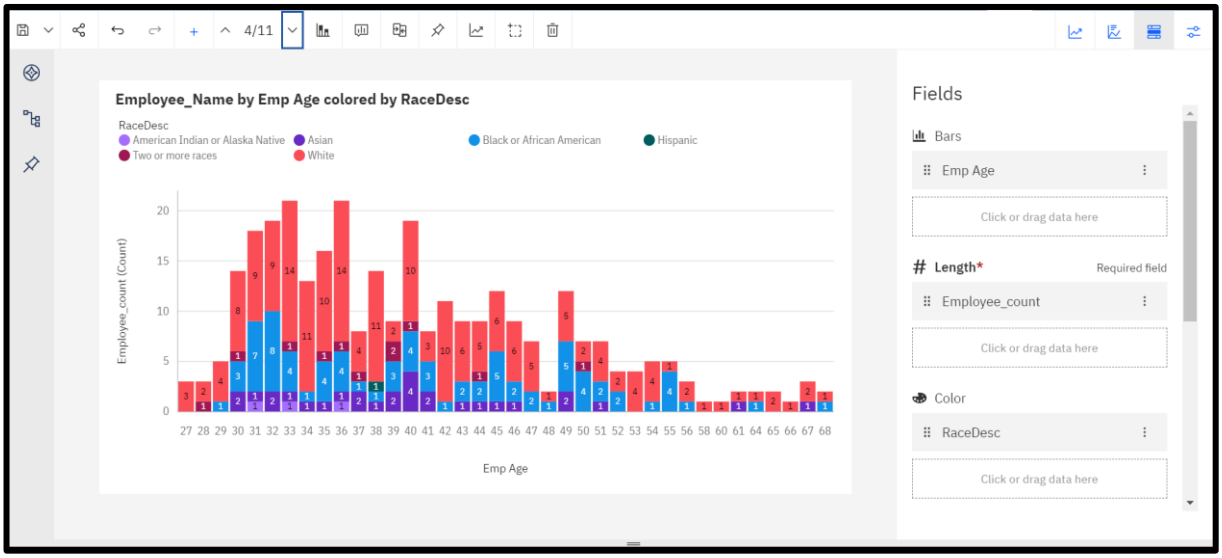


2. Line Column Chart:

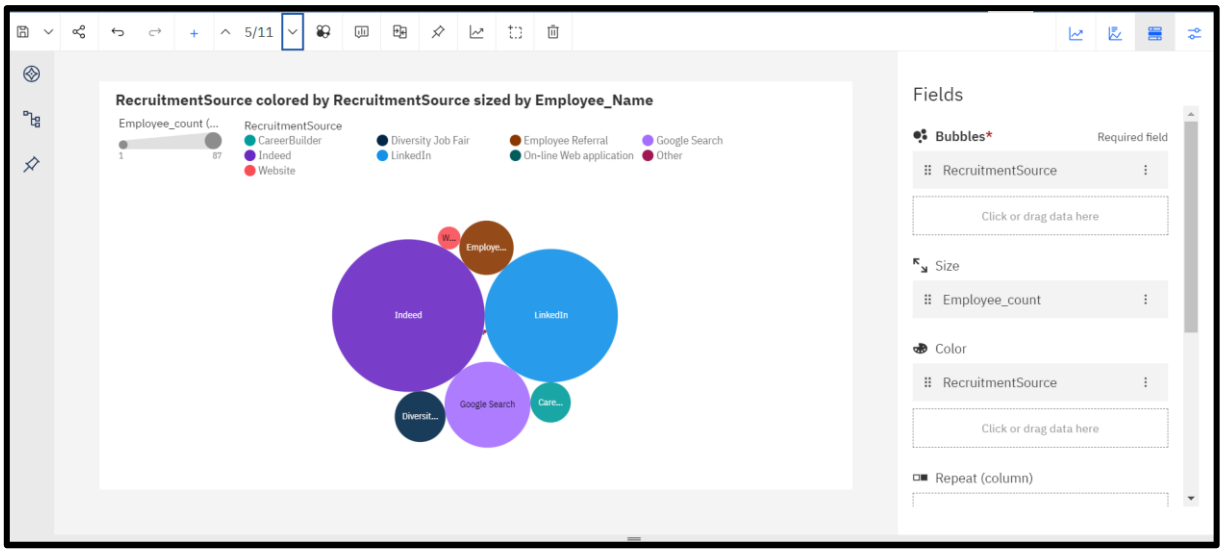


Name: S M Nikhil **Reg.No:** 21BCE9601

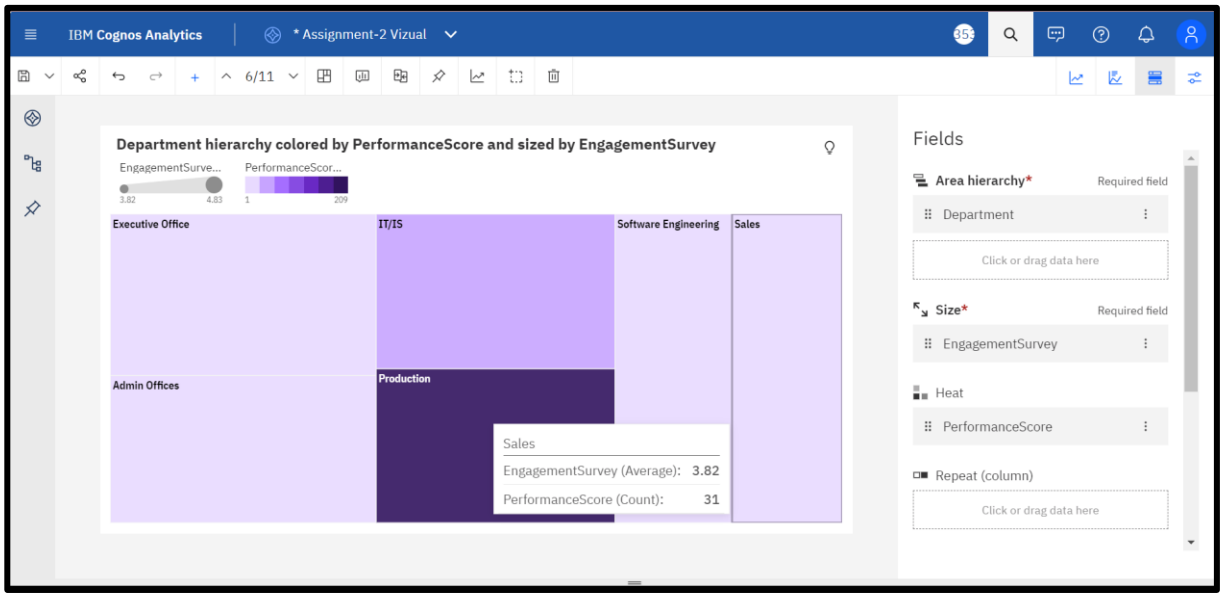
3. Stacked Column chart:



4. Packed Bubble Chart:

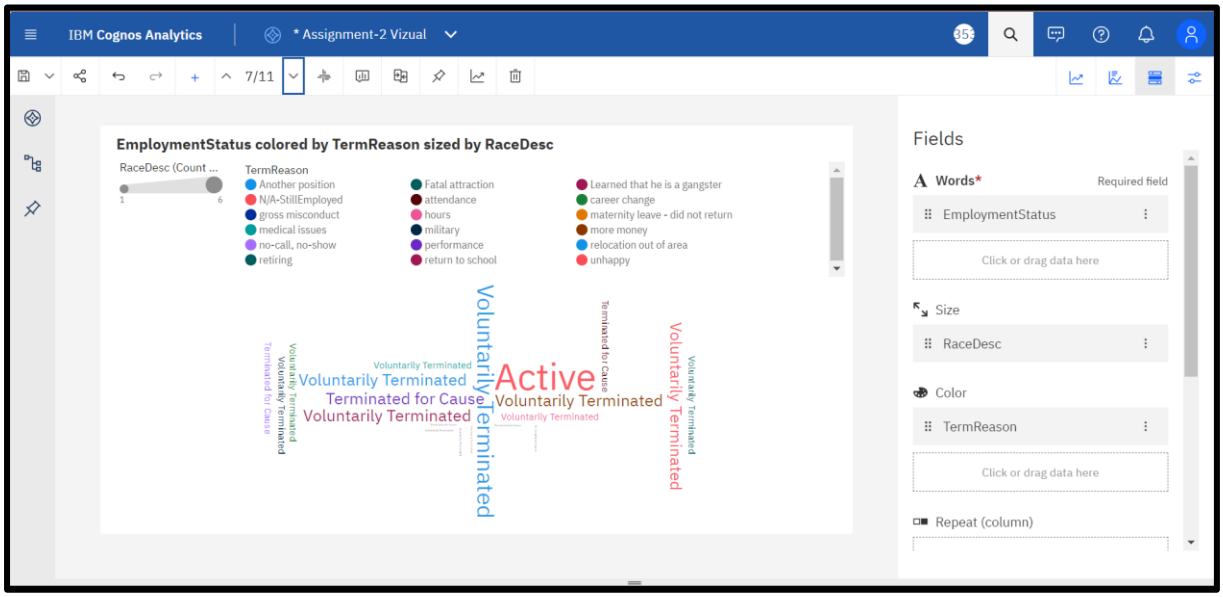


5. Tree Map Chart:

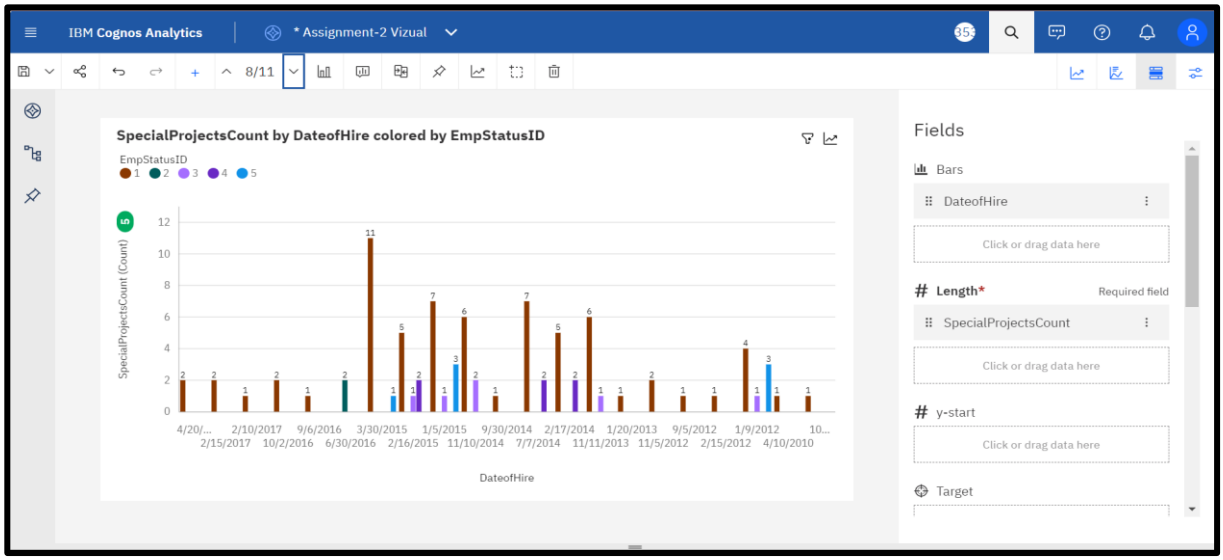


Name: S M Nikhil **Reg.No:** 21BCE9601

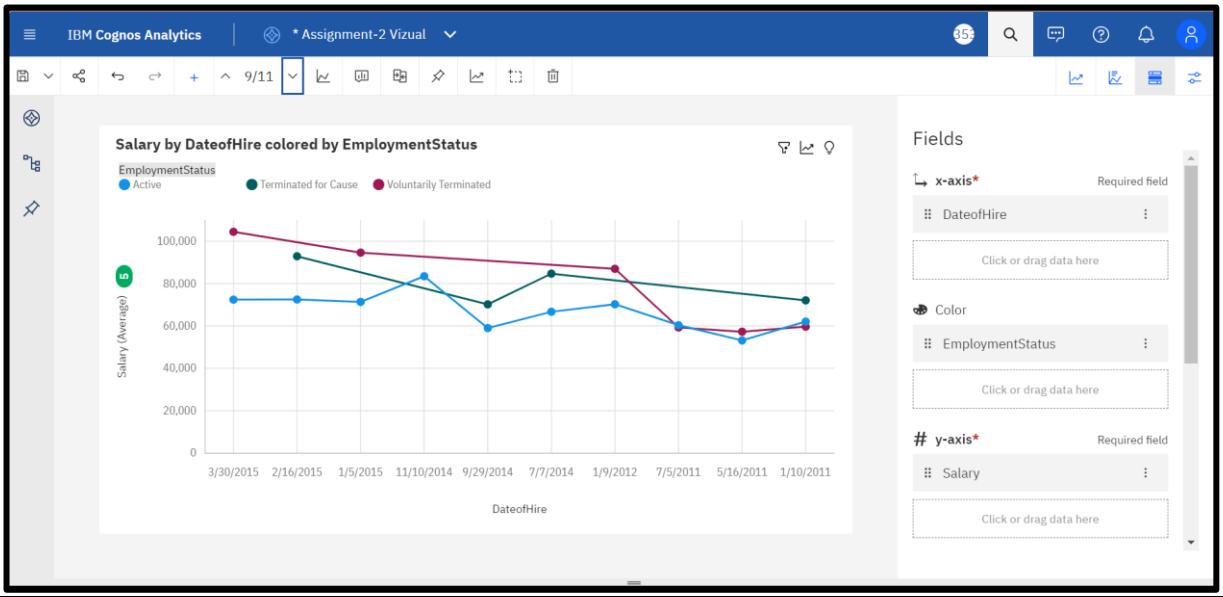
6. World Cloud:



7. Column Chart:

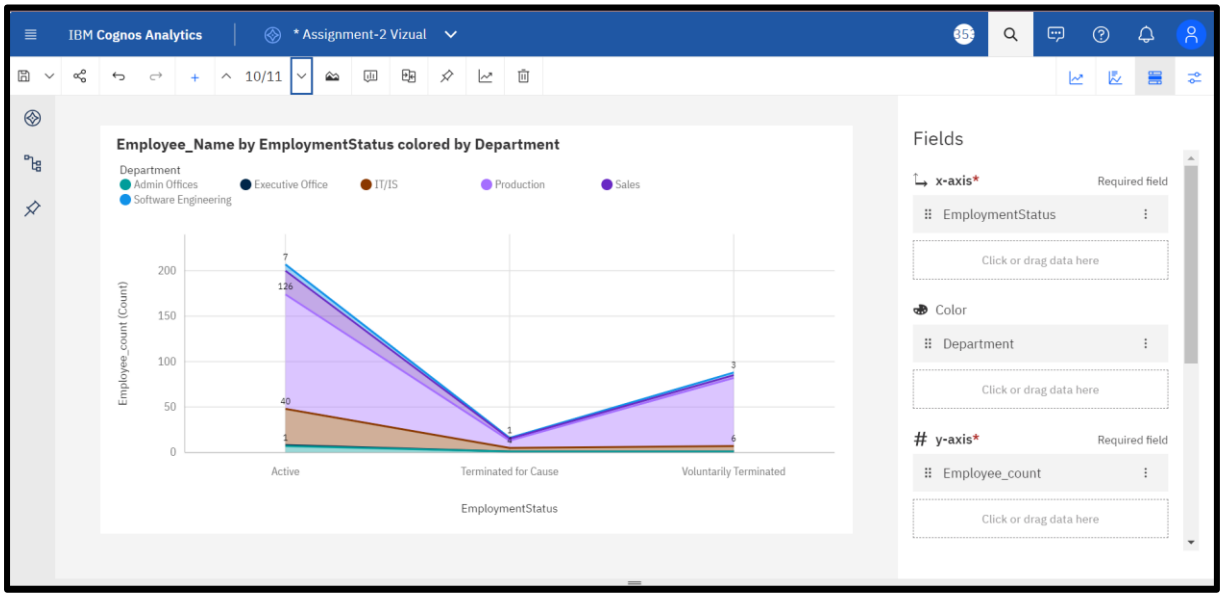


8. Line Chart:

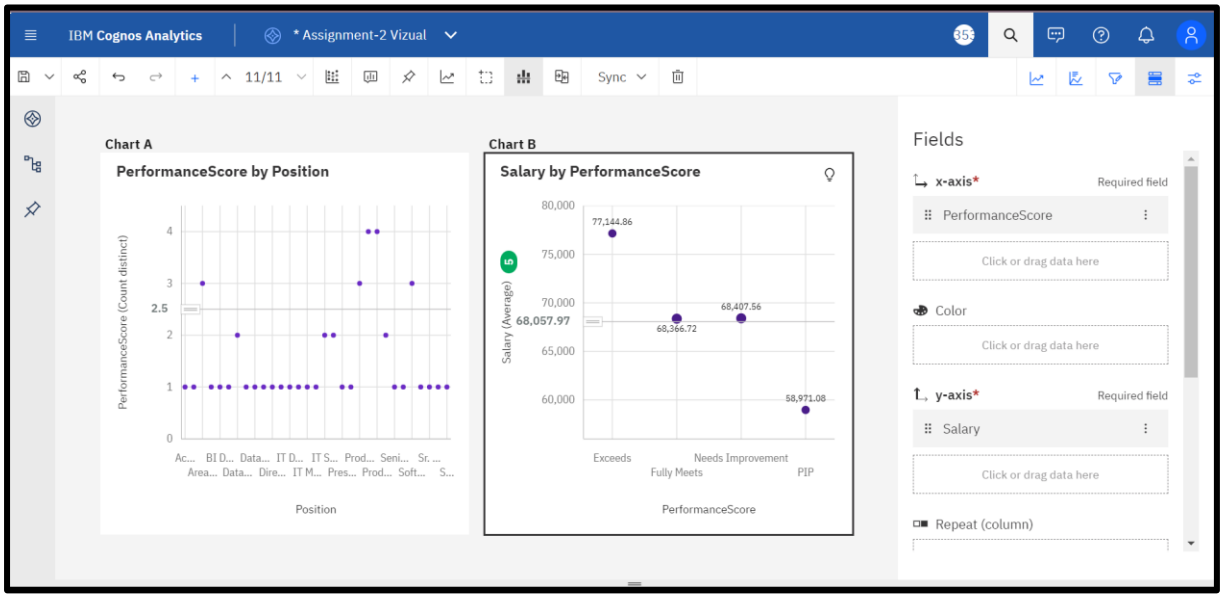


Name: S M Nikhil **Reg.No:** 21BCE9601

9. Area Chart:



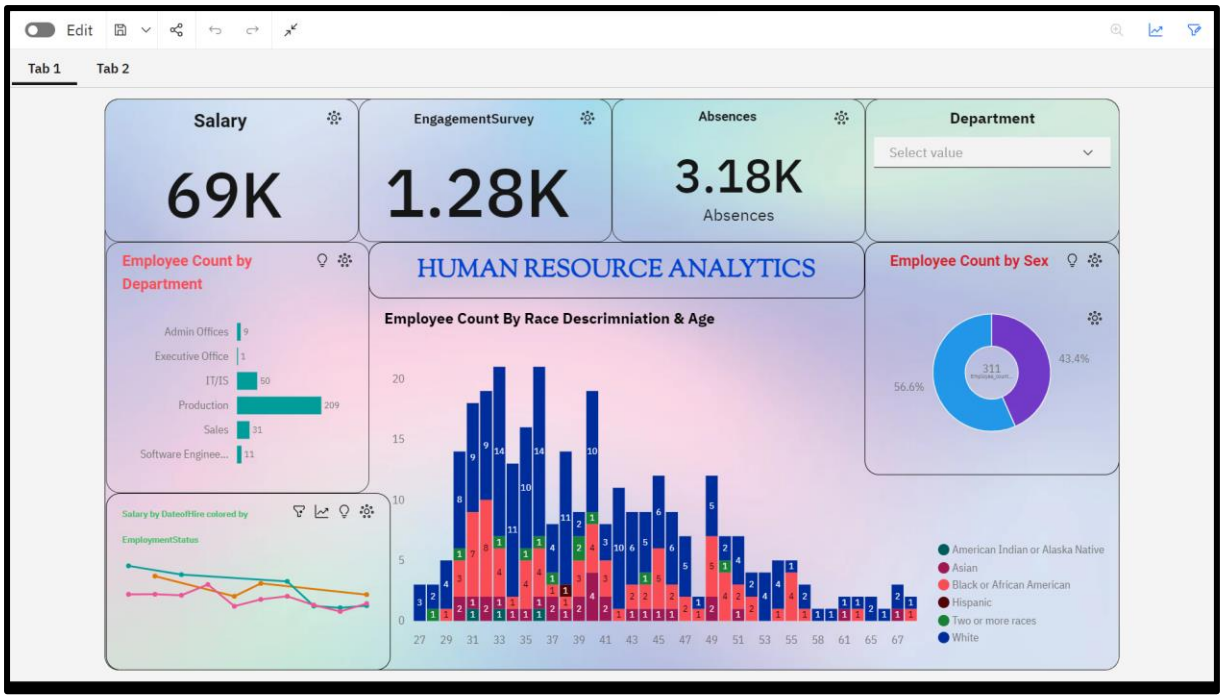
10. Scatter Plot:



Name: S M Nikhil **Reg.No:** 21BCE9601

5. Creating A Dashboards With The Dataset:

Responsive Dashboard created by using Department as filter.

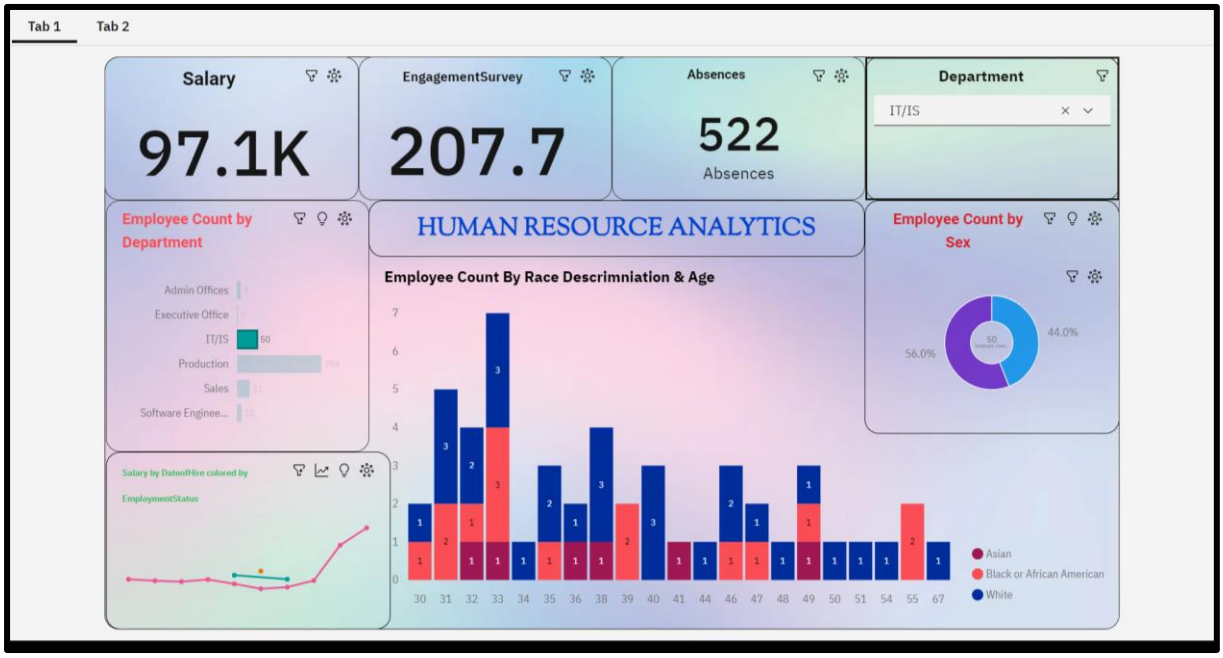


The dashboard is assisted with the KPI visuals with attributes Salary, Engagement Survey, Absences.

And with a Charts as follows:

1. **Employee Count By Department(Bar Chart)**
2. **Employee Count By Gender(Pi-chart)**
3. **Employee Count By Race Discriminations & Age (Stacked column)**
4. **Salary By Date of Hire and Employment Status(Line chart)**

Name: S M Nikhil **Reg.No:** 21BCE9601



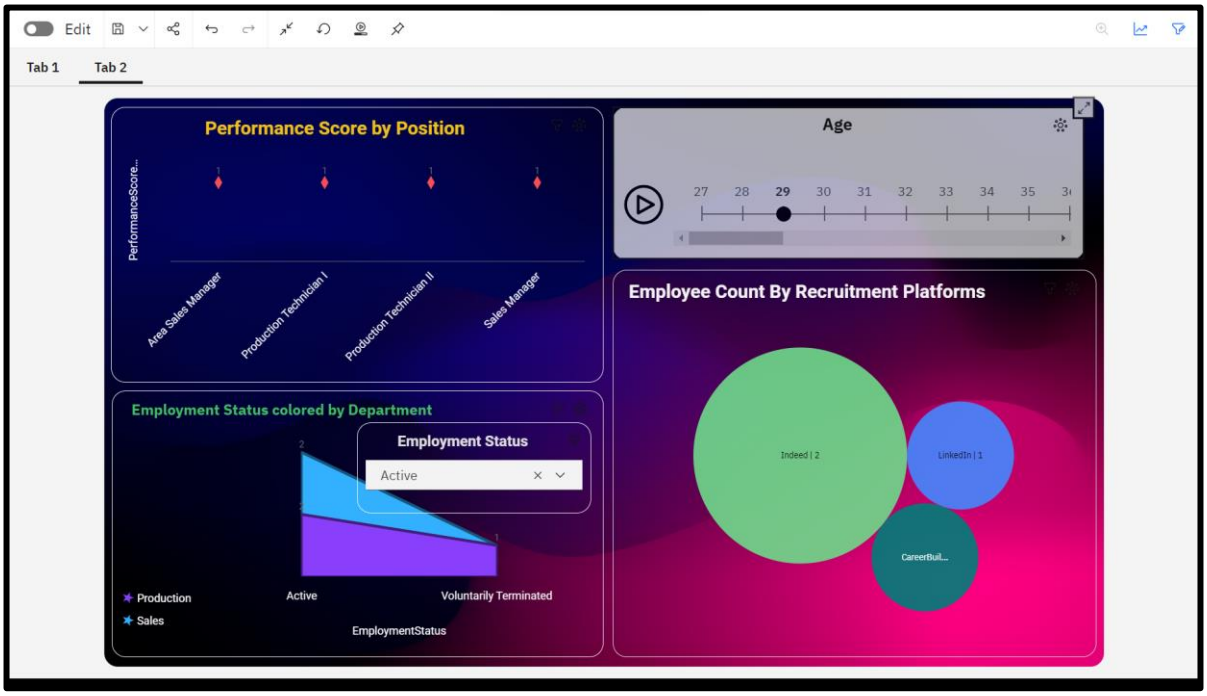
Name: S M Nikhil **Reg.No:** 21BCE9601

Dashboard-2

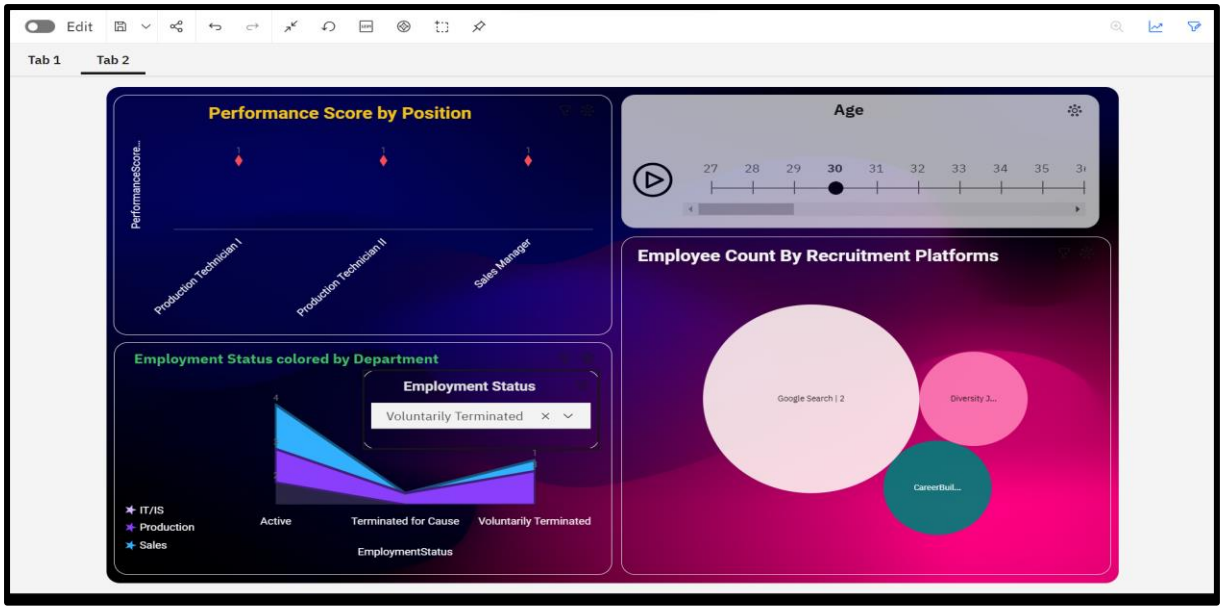
The dashboard is assisted with the charts that operates with filters Age and Employment Status

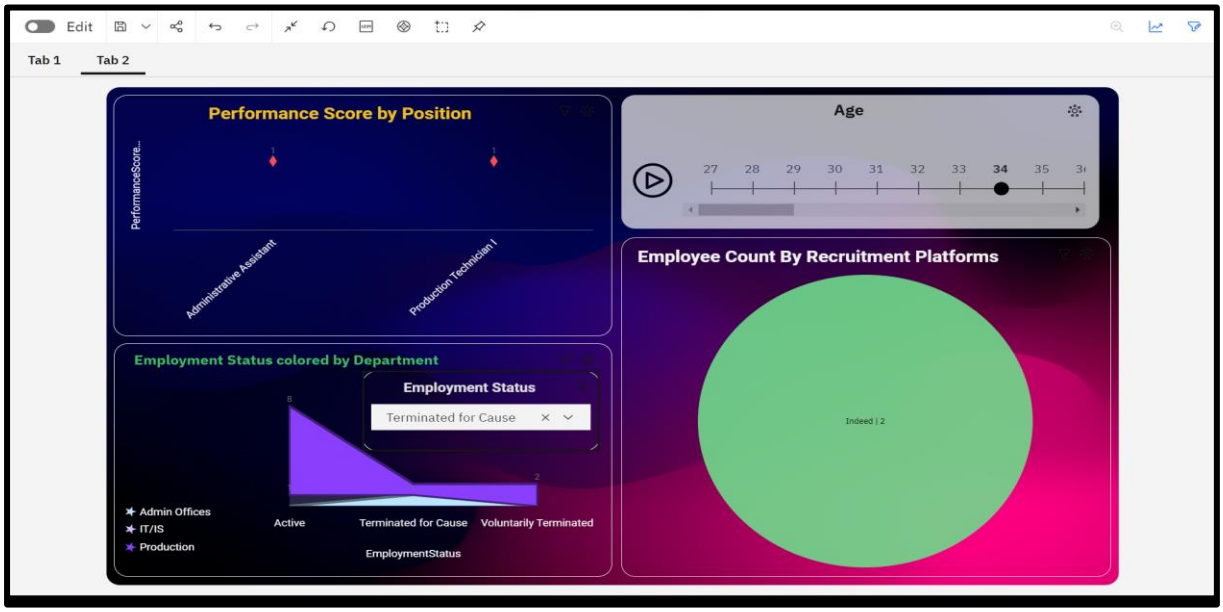
And with a Charts as follows:

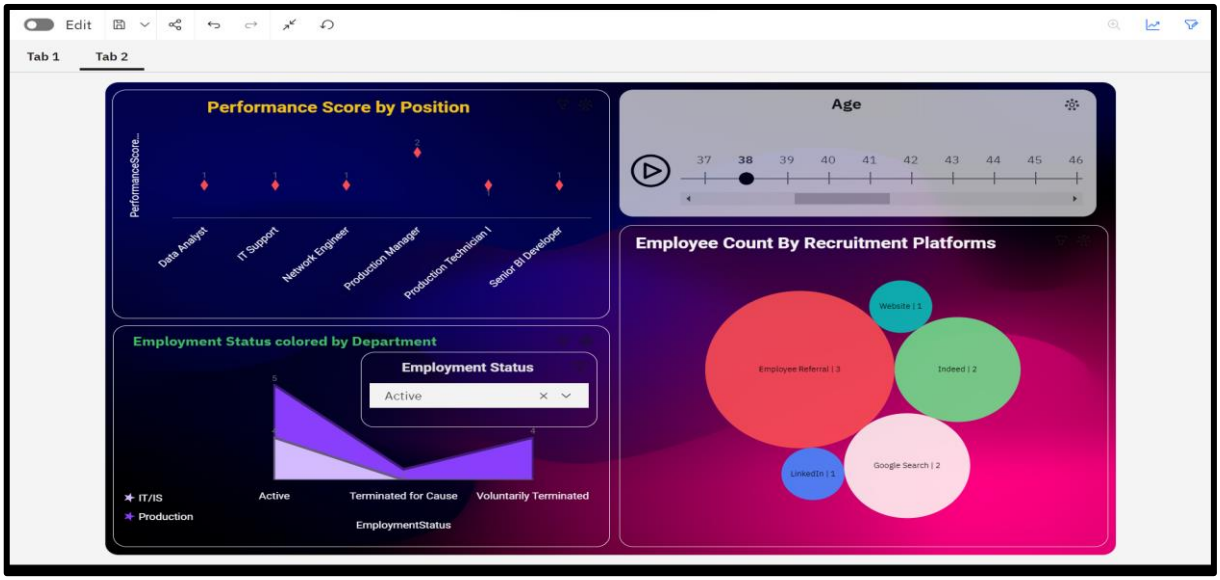
1. **Employee Count By Recruitment platform(Hierarchy Bubble)**
2. **Employee Status By Department(Area chart)**
3. **Performance Score By Position (Point graph)**



Name: S M Nikhil **Reg.No:** 21BCE9601



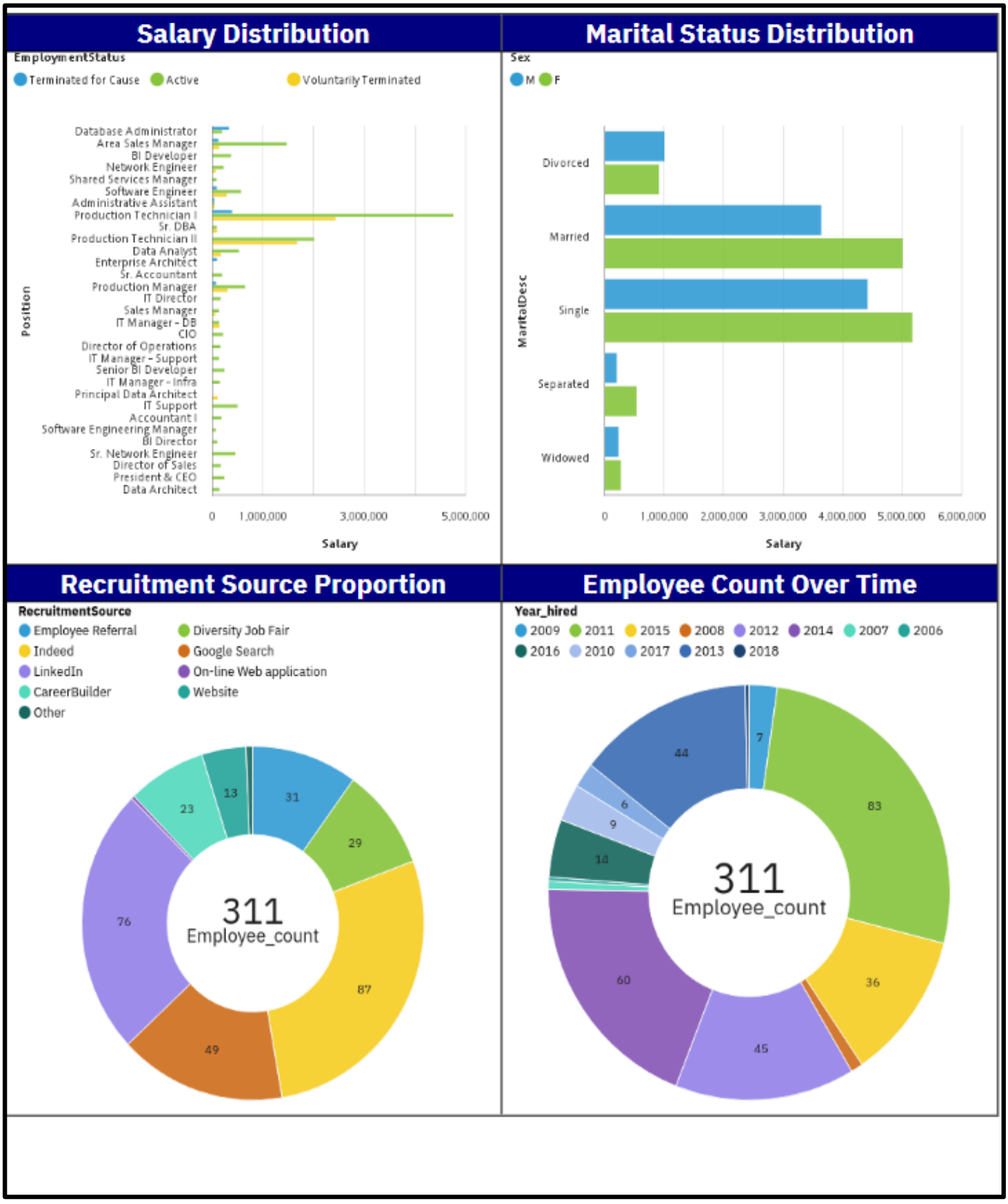




Name: S M Nikhil Reg.No: 21BCE9601

6. Creating a Report By the dataset:

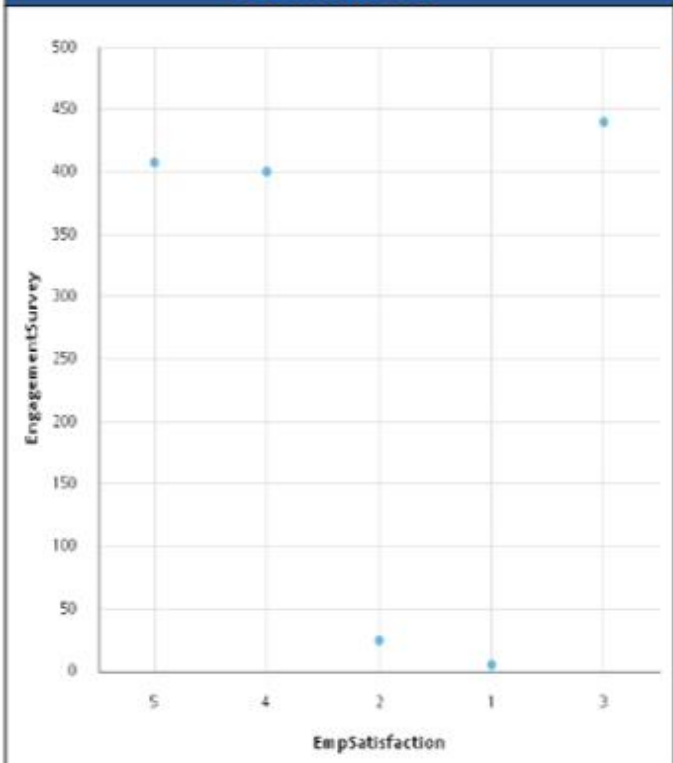
Report-1:



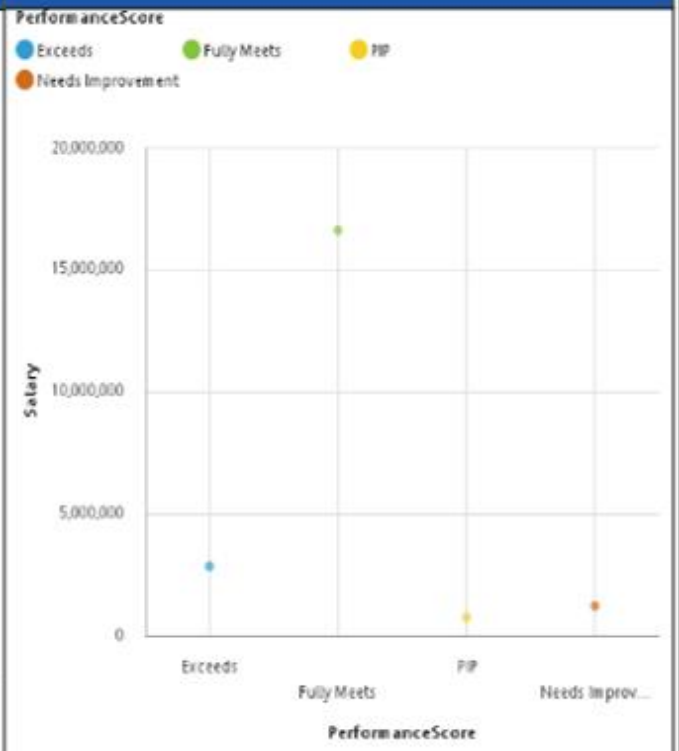
Name: S M Nikhil Reg.No: 21BCE9601

Report-2:

Engagement Survey vs. Employee Satisfaction

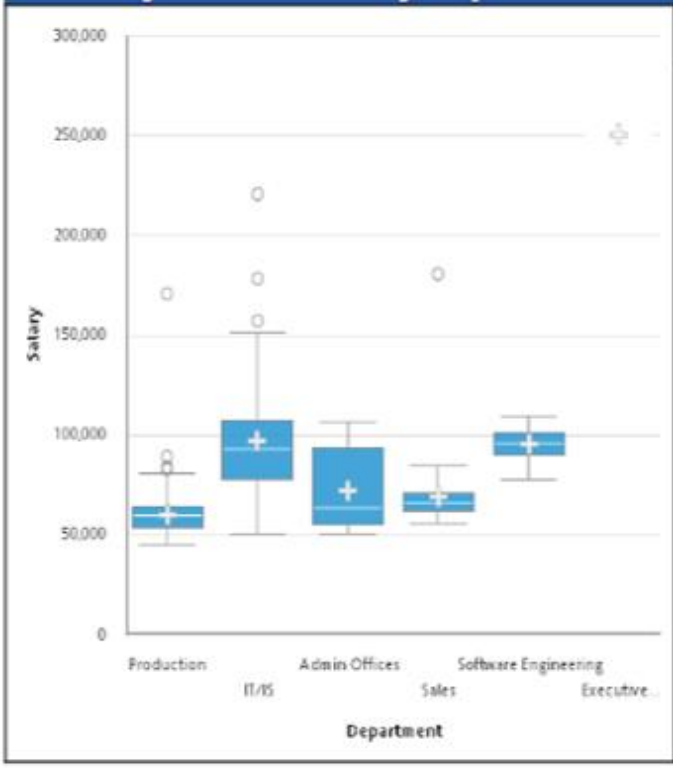


Age vs. Salary

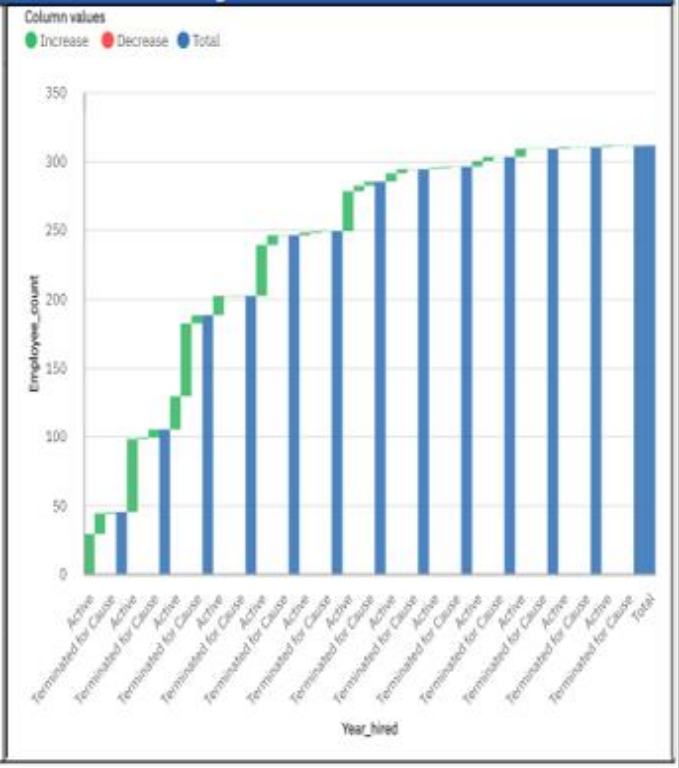


Visualization rendering is not supported for this output type.

Salary Distribution by Department

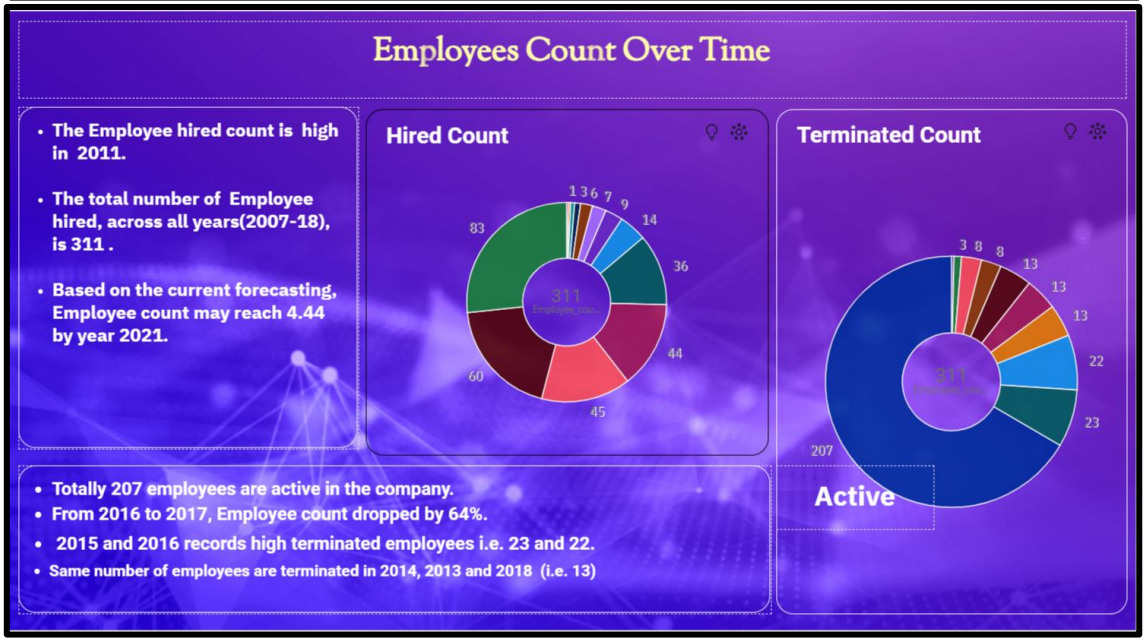


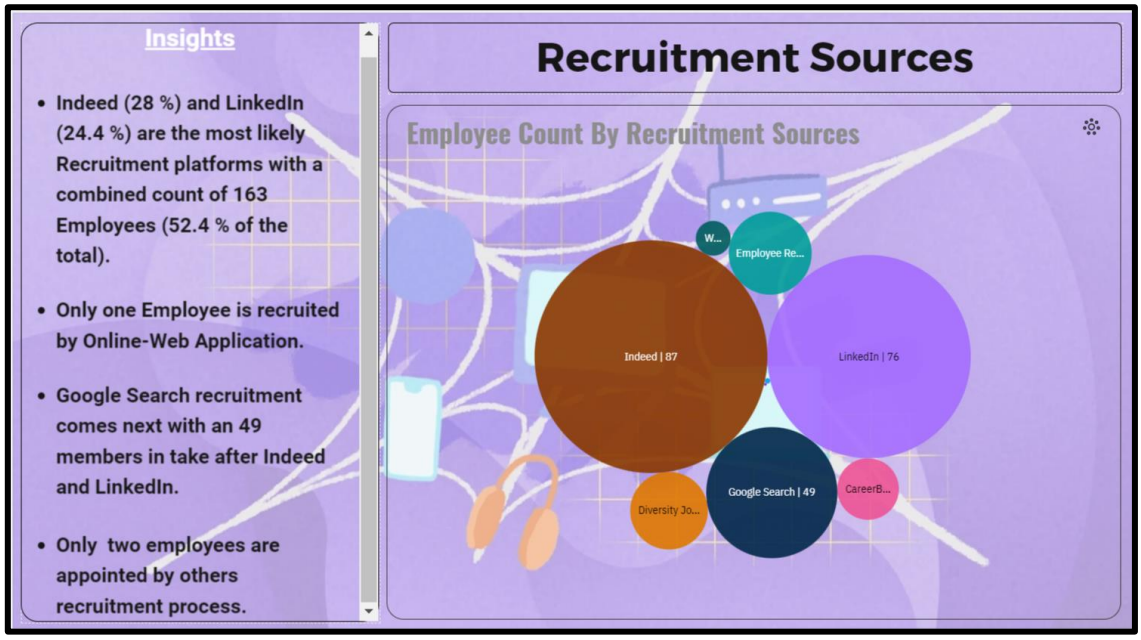
Diversity Job Fair Recruitment



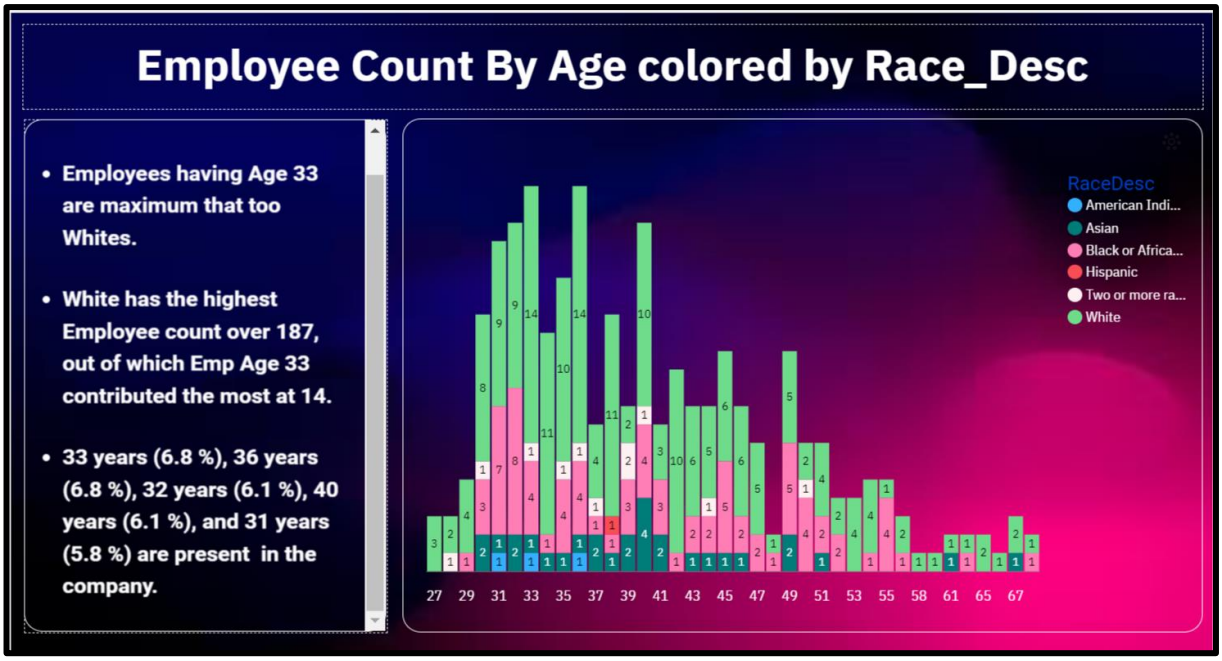
Name: S M Nikhil **Reg.No:** 21BCE9601

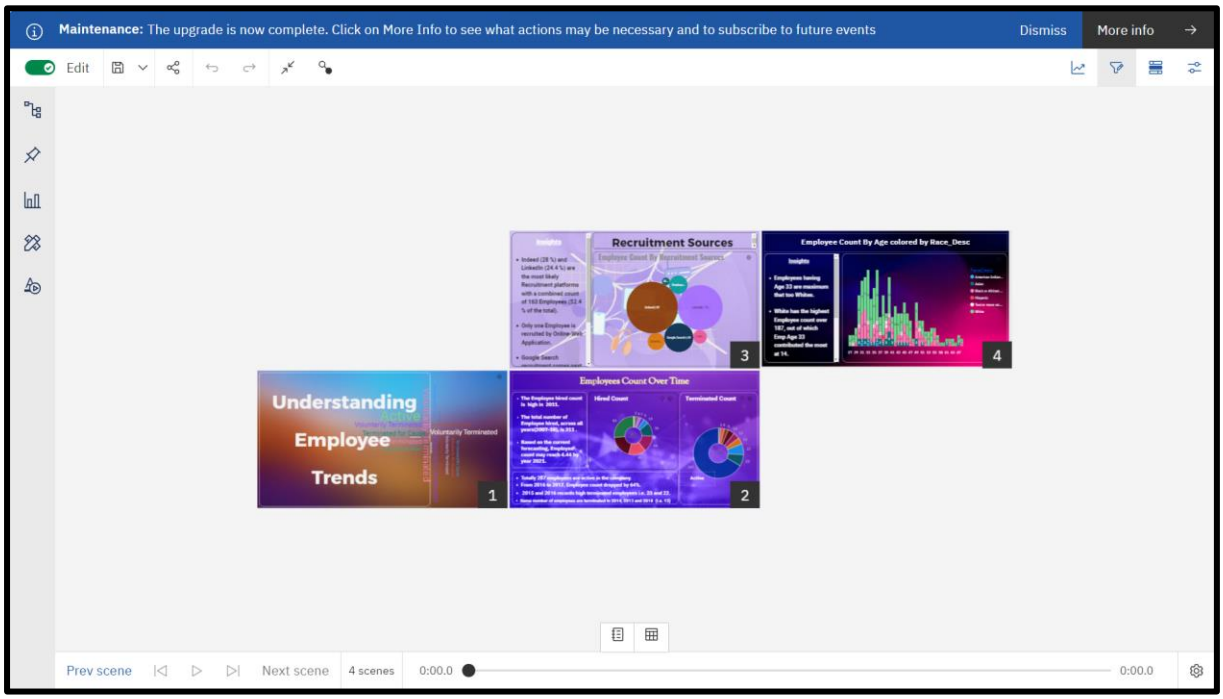
7. Creating Story-1 boards with the dataset:





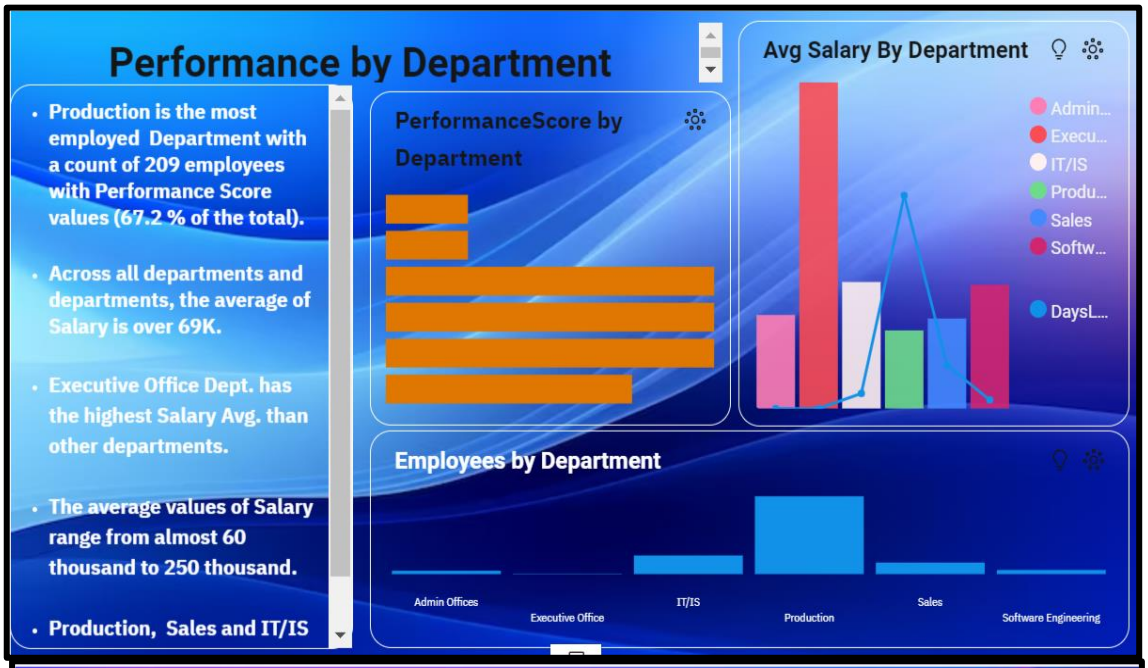
Name: S M Nikhil **Reg.No:** 21BCE9601

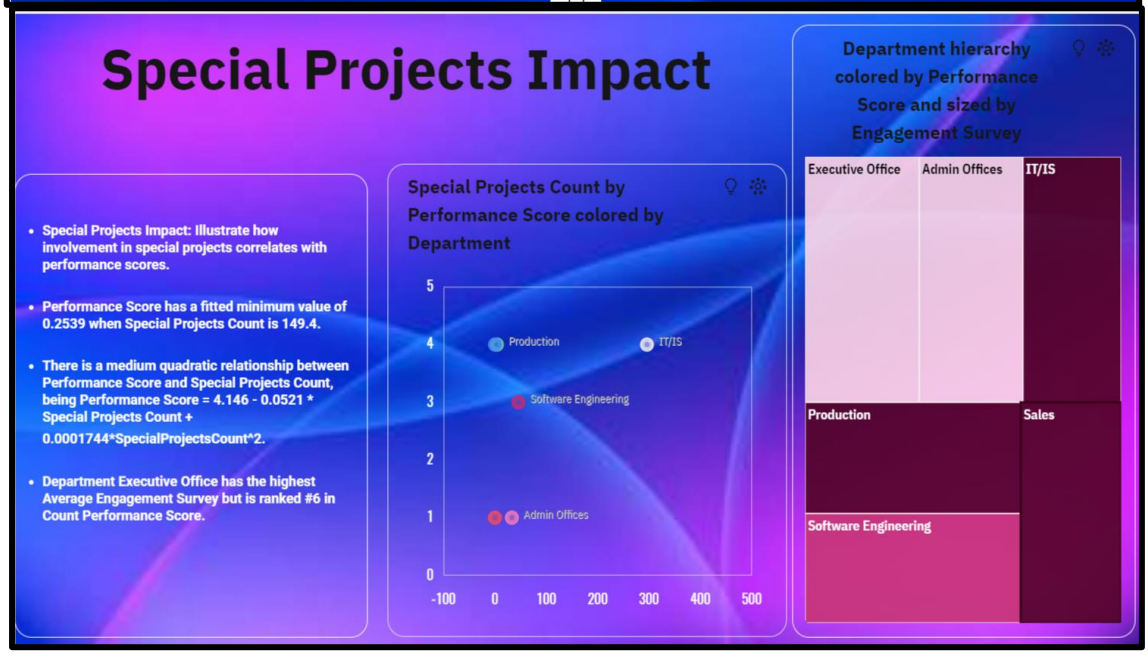




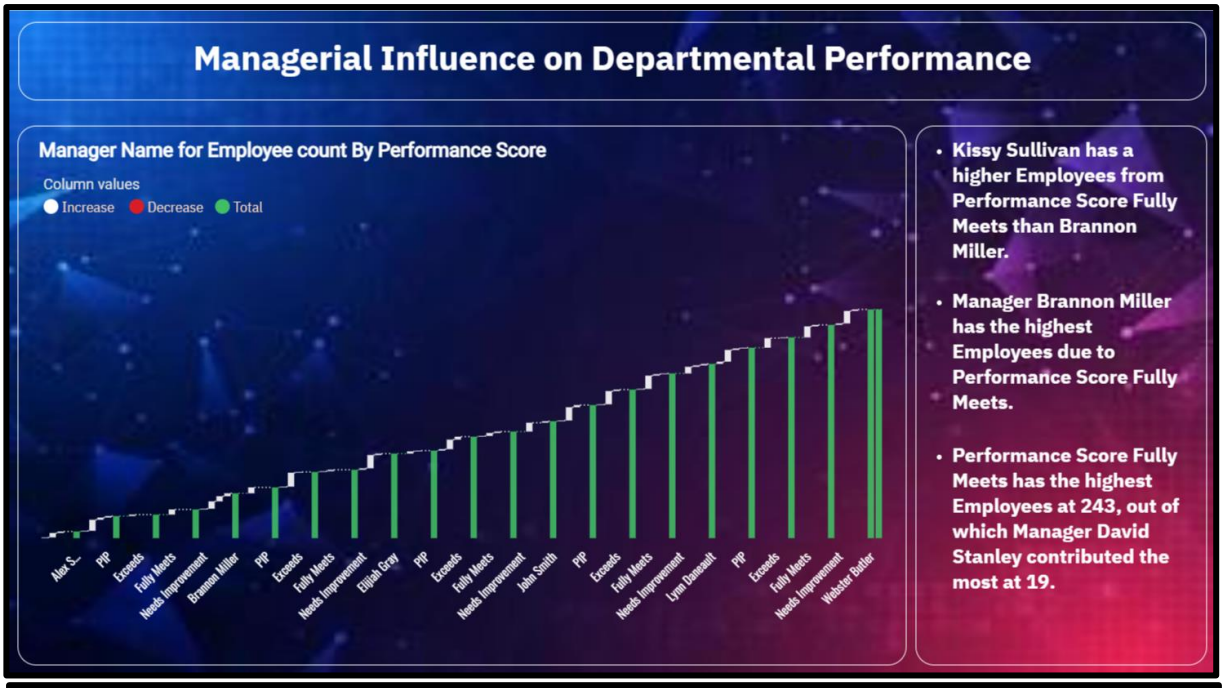
Name: S M Nikhil Reg.No: 21BCE9601

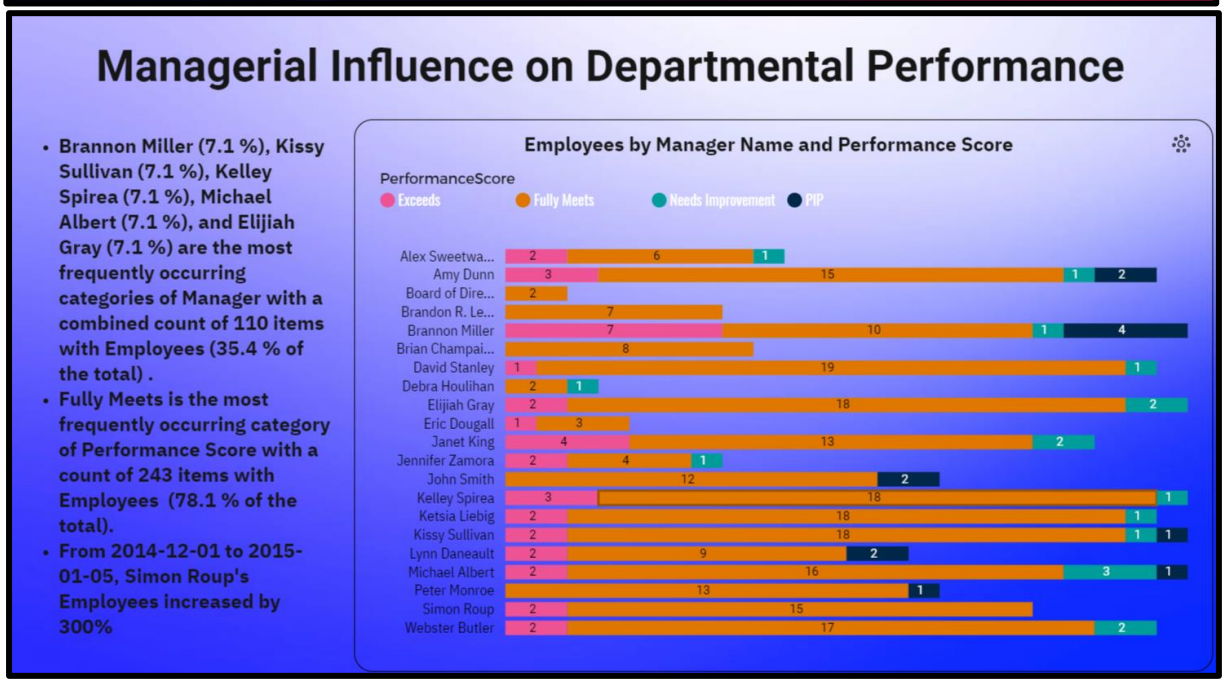
Story- 2:

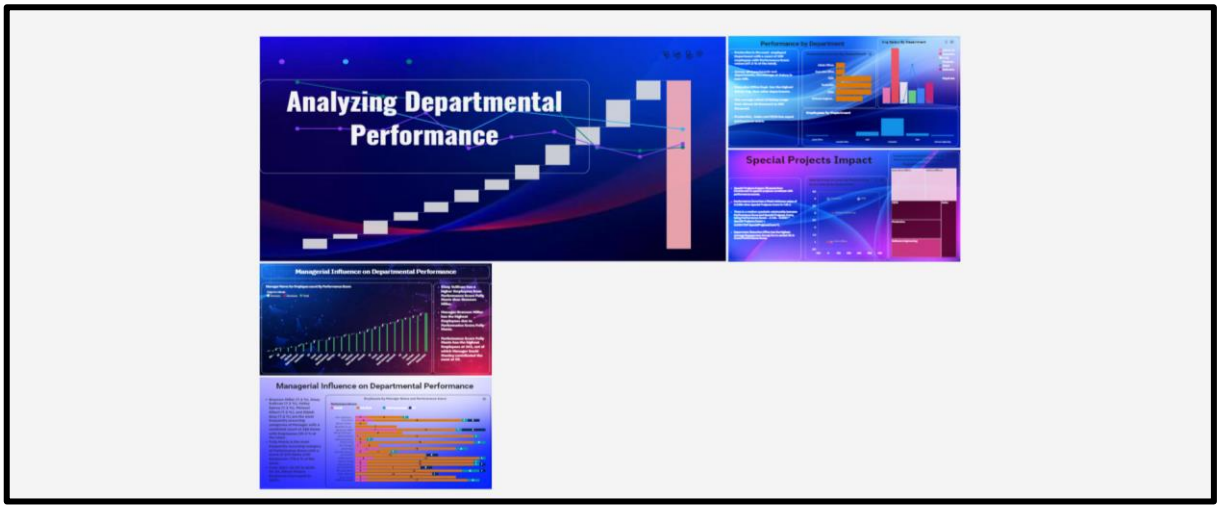




Name: S M Nikhil **Reg.No:** 21BCE9601

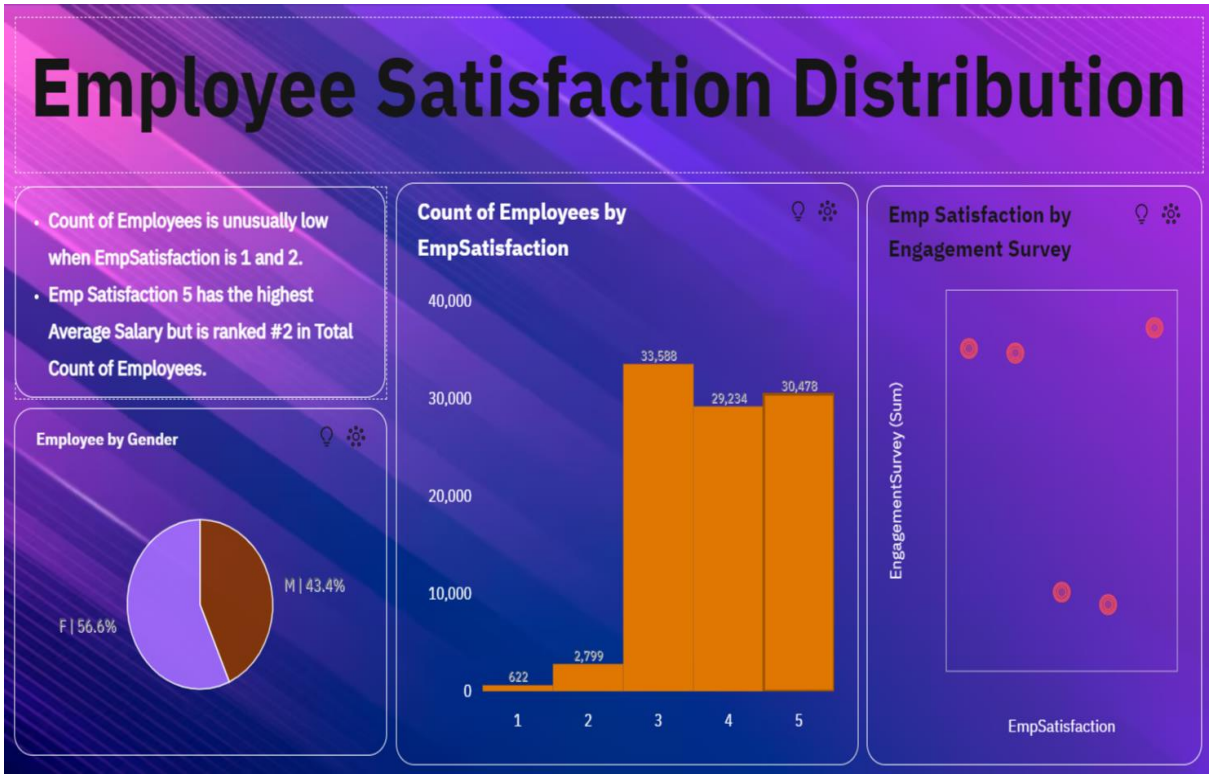






Name: S M Nikhil Reg.No: 21BCE9601

Story-3:



Name: S M Nikhil **Reg.No:** 21BCE9601