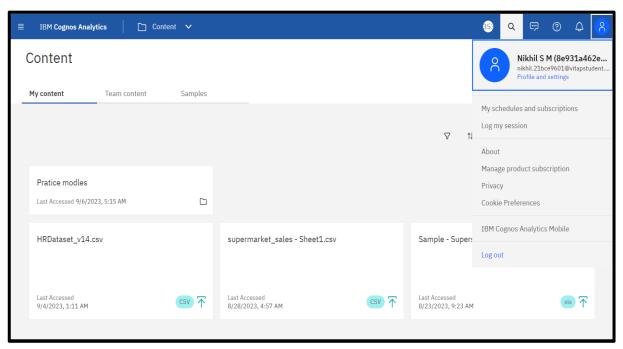
IBM Cognos Analytics

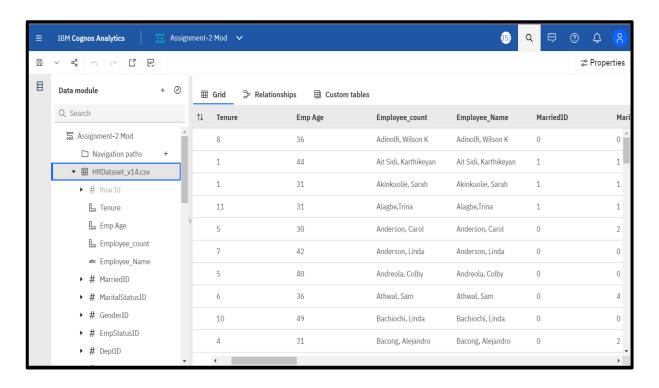
Assignment - 2

1. Upload the dataset to Cognos Analytics:

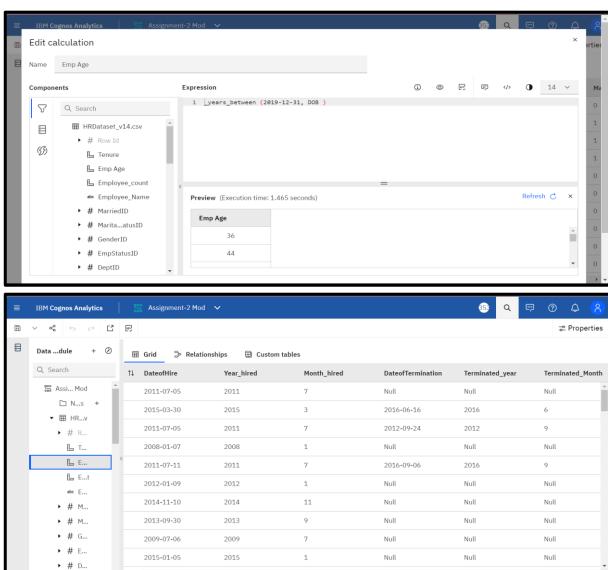


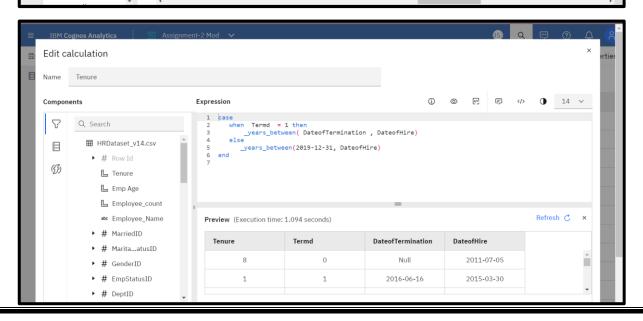
2. Delete the unnecessary columns:

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

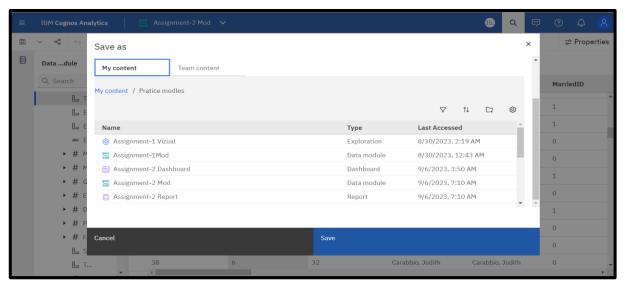


Date of hired column is split into Year_hired column and Month_hired. Age column is created on basis of DOB and Present date. Terminated_date is split into Year_ternimated and Month_terminated.



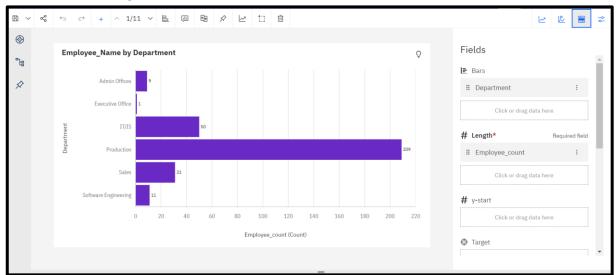


3. Create A Data Module:

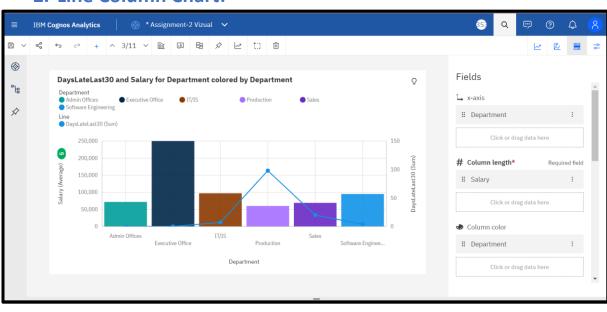


4. Explore And Visualize The Dataset:

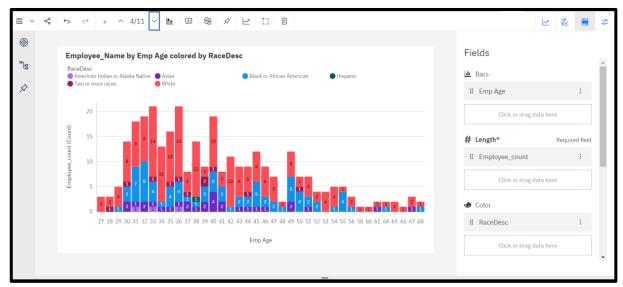
1. Bar Graph



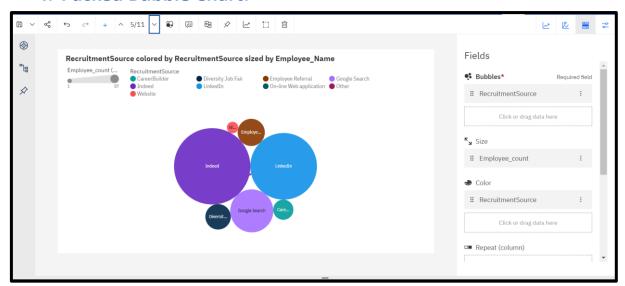
2. Line Column Chart:



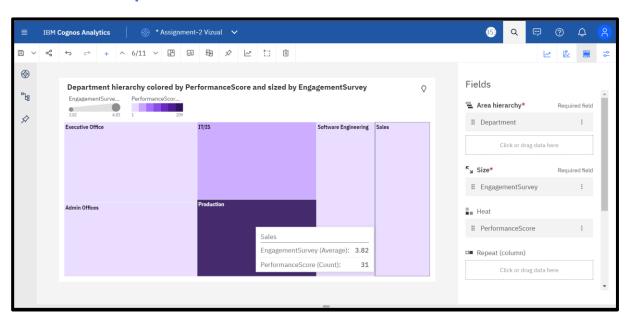
3. Stacked Column chart:



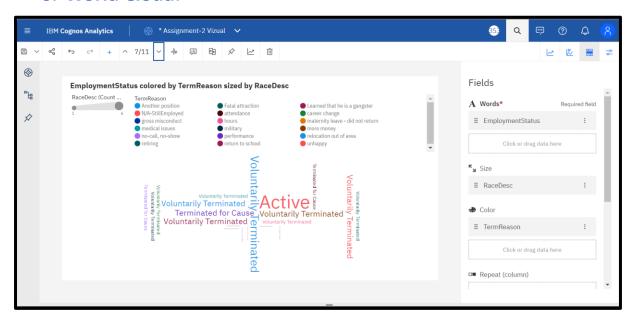
4. Packed Bubble Chart:



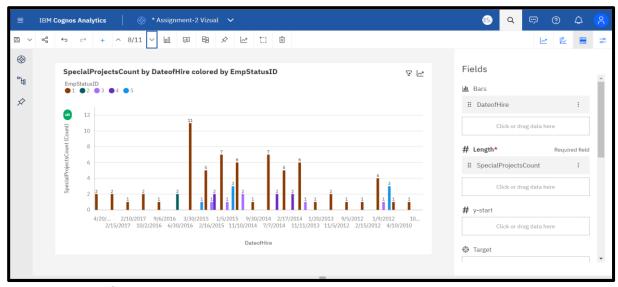
5. Tree Map Chart:



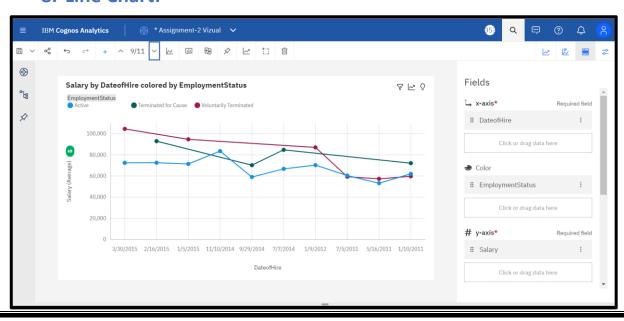
6. World Cloud:



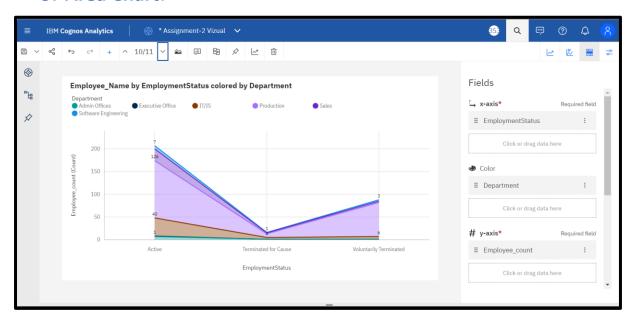
7. Column Chart:



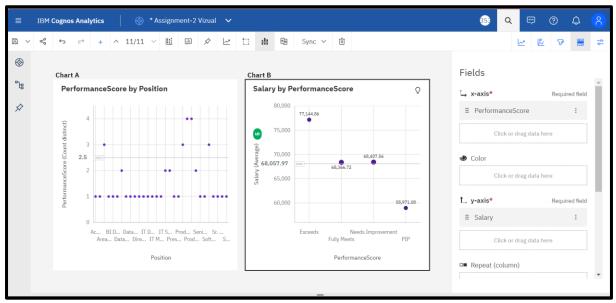
8. Line Chart:



9. Area Chart:

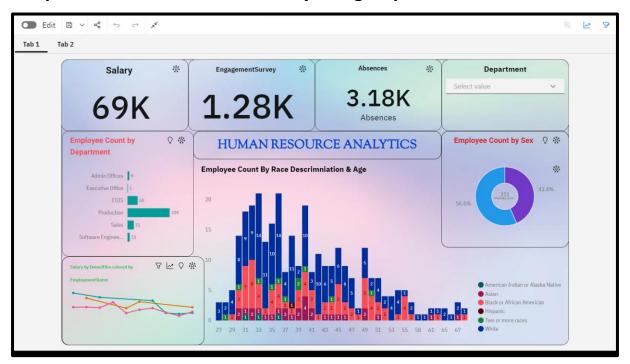


10. Scatter Plot:



5. Creating A Dashboards With The Dataset:

Responsive Dashboard created by using Department as filter.

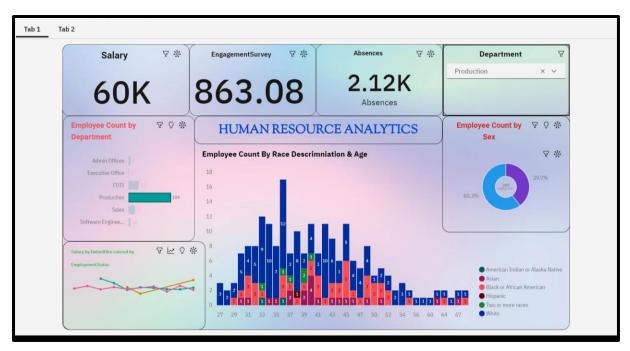


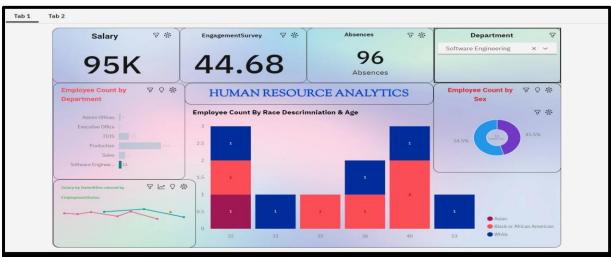
The dashboard is assisted with the KPI visuals with attributes Salary, Engagement Survey, Absences.

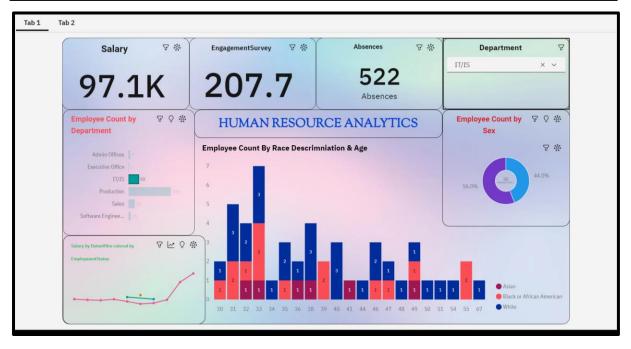
And with a Charts as follows:

- 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)









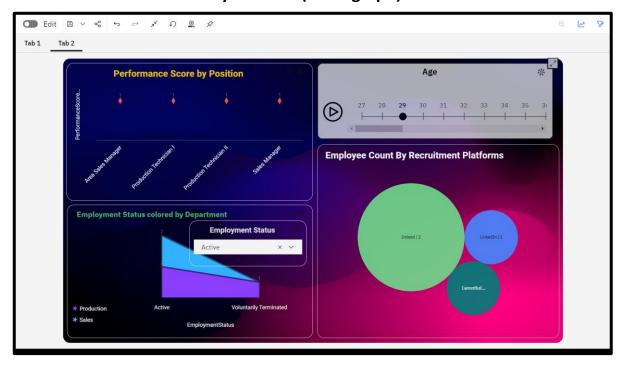
Dashboard-2

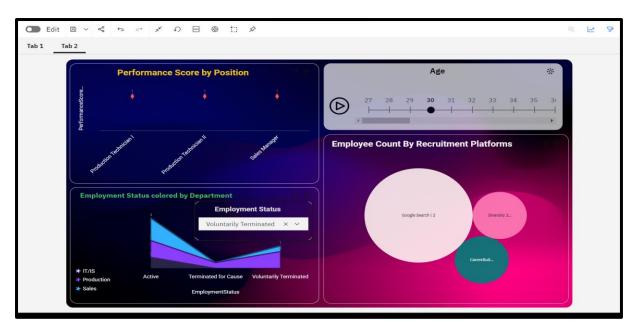


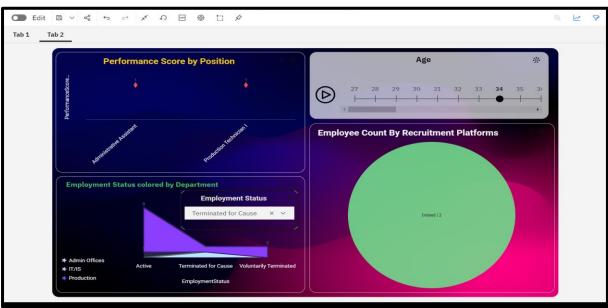
The dashboard is assisted with the charts that operates with filters Age and Employment Status

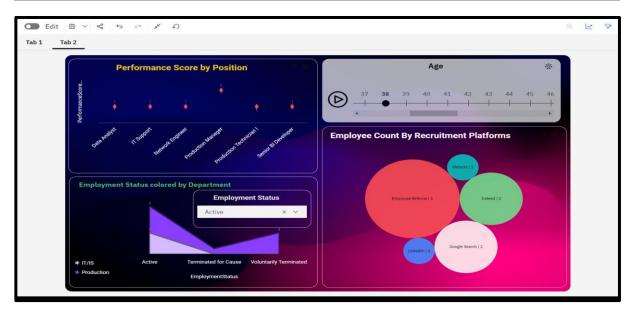
And with a Charts as follows:

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



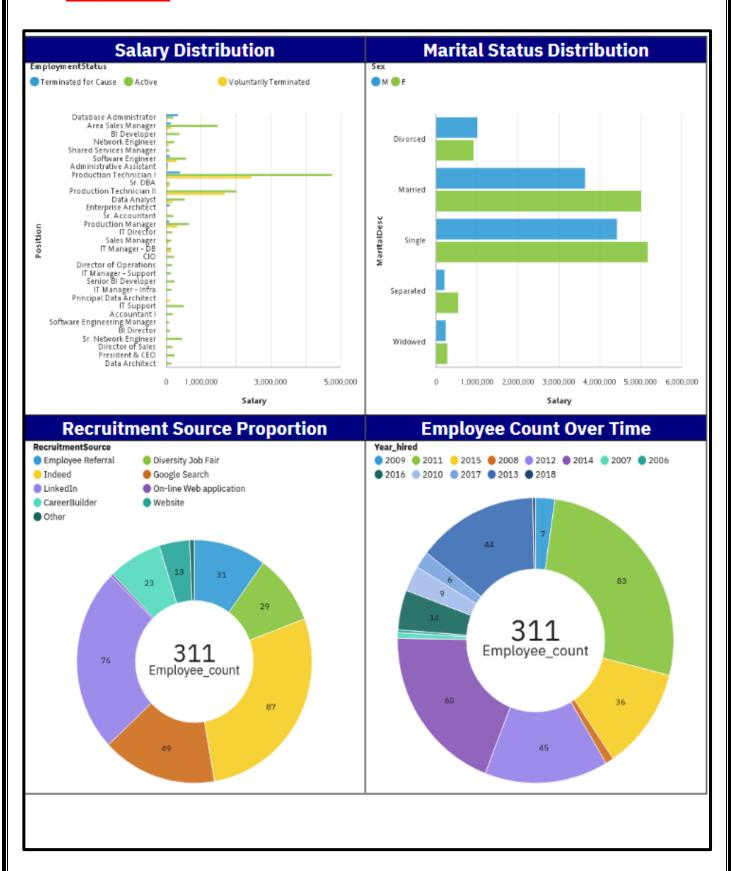




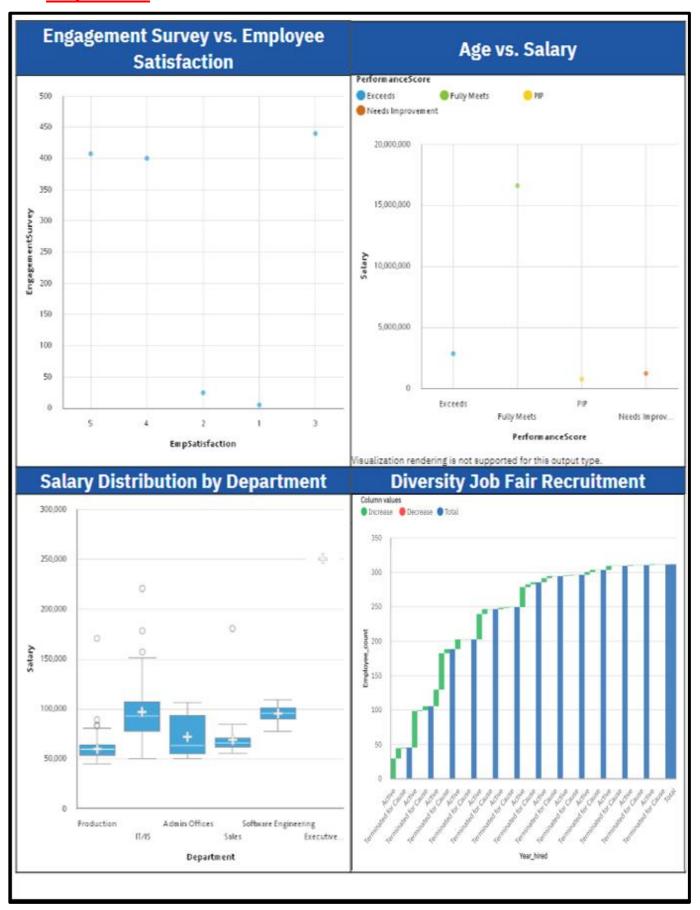


6. Creating a Report By the dataset:

Report-1:

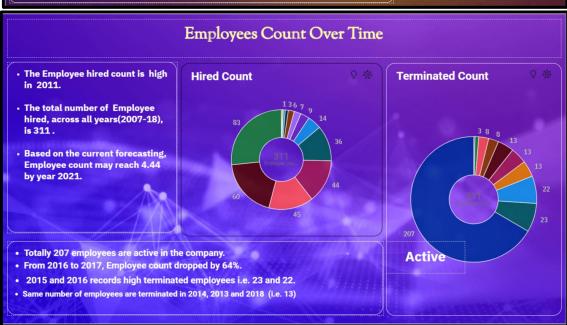


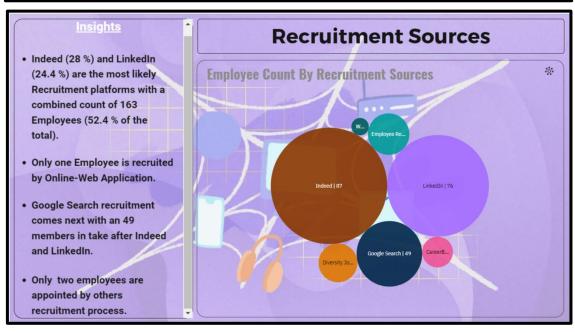
Report-2:



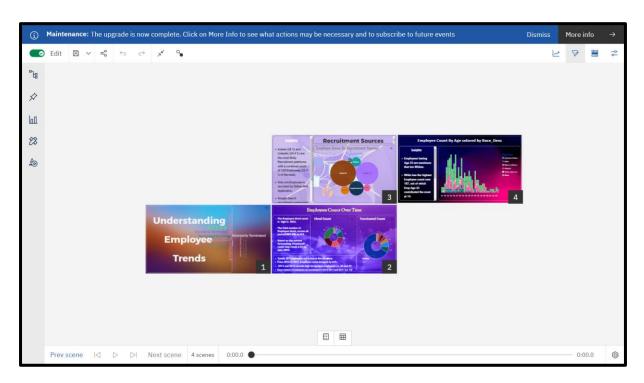
7. Creating Story-1 boards with the dataset:





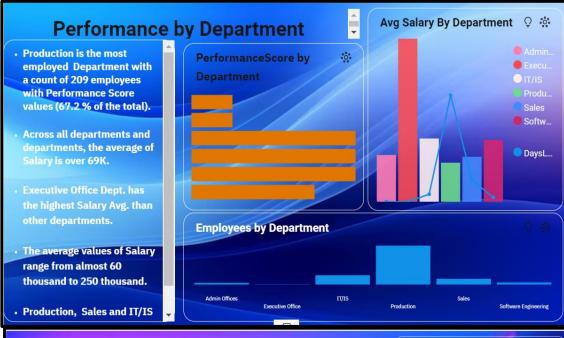


Employee Count By Age colored by Race_Desc - Employees having Age 33 are maximum that too Whites. - White has the highest Employee count over 187, out of which Emp Age 33 contributed the most at 14. - 33 years (6.8 %), 36 years (6.8 %), 39 years (6.1 %), 40 years (6.1 %), and 31 years (5.8 %) are present in the company.

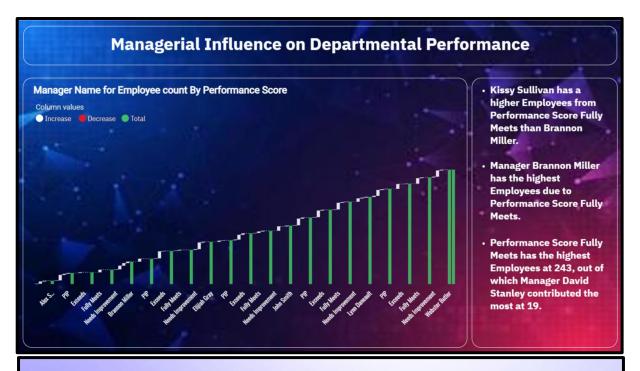


Story- 2:



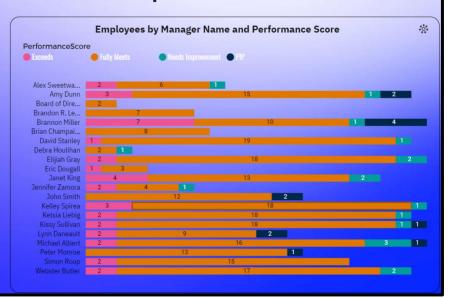


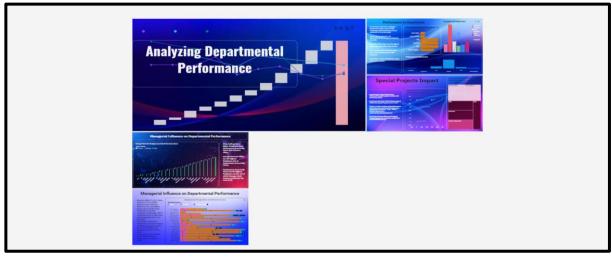
range from almost 60 thousand to 250 thousand. Production, Sales and IT/IS Special Projects Impact Special Projects Impact Illustrate how involvement in special projects correlates with performance scores. Performance Score has a fitted minimum value of 0.2539 when Special Projects Count, being Performance Score and Special Projects Count, being Performance Score 4.146 - 0.0321 * Special Projects Count, being Performance Score + 1.46 - 0.0321 * Special Projects Count, being Performance Score + 1.46 - 0.0321 * Special Projects Count, being Performance Score + 1.46 - 0.0321 * Special Projects Count, being Performance Score + 1.46 - 0.0321 * Special Projects Count, being Performance Score + 1.46 - 0.0321 * Special Projects Count, being Performance Score + 1.46 - 0.0321 * Special Projects Count by Performance Score + 1.46 - 0.0321 * Special Projects Count, being Performance Score + 1.46 - 0.0321 * Special Projects Count, being Performance Score Score + 1.46 - 0.0321 * Special Projects Count, being Performance Score + 1.46 - 0.0321 * Special Projects Count, being Performance Score + 1.46 - 0.0321 * Special Projects Count, being Performance Score + 1.46 - 0.0321 * Special Projects Count, being Performance Score + 1.46 - 0.0321 * Special Projects Count, being Performance Score + 1.46 - 0.0321 * Special Projects Count, being Performance Score + 1.46 - 0.0321 * Special Projects Count, being Performance Score + 1.46 - 0.0321 * Special Projects Count, being Performance Score + 1.46 - 0.0321 * Special Projects Count, being Performance Score + 1.46 - 0.0321 * Special Projects Count, being Performance Score + 1.46 - 0.0321 * Special Projects Count, being Performance Score + 1.46 - 0.0321 * Special Projects Count, being Performance Score + 1.46 - 0.0321 * Special Projects Count, being Performance Score + 1.46 - 0.0321 * Special Projects Count, being Performance Score + 1.46 - 0.0321 * Special Projects Count, being Performance Score + 1.46 - 0.0321 * Special Projects Count, being Performance + 1.46 - 0.0321 * Special Proje



Managerial Influence on Departmental Performance

- Brannon Miller (7.1 %), Kissy Sullivan (7.1 %), Kelley Spirea (7.1 %), Michael Albert (7.1 %), and Elijiah Gray (7.1 %) are the most frequently occurring categories of Manager with a combined count of 110 items with Employees (35.4 % of the total).
- Fully Meets is the most frequently occurring category of Performance Score with a count of 243 items with Employees (78.1 % of the total).
- From 2014-12-01 to 2015-01-05, Simon Roup's Employees increased by 300%





Story-3:



