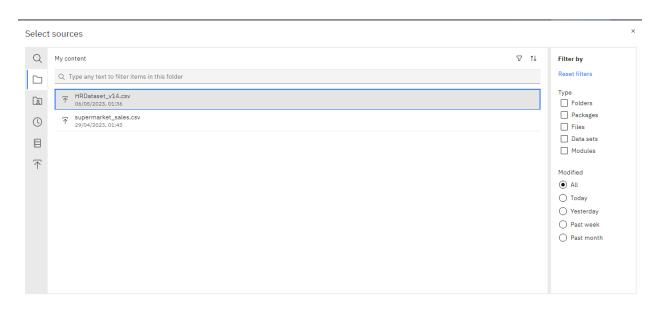
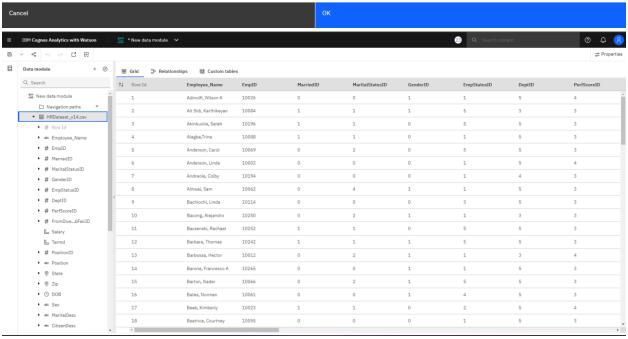
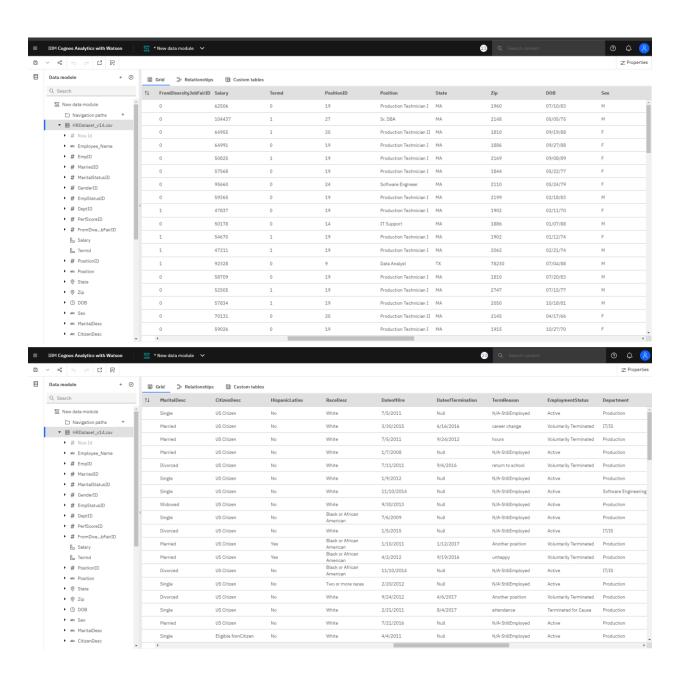


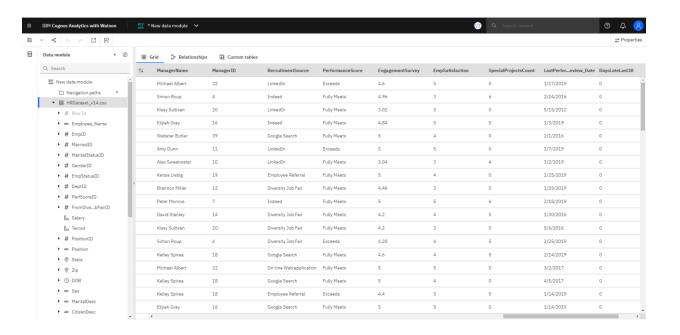
# HR data analysis and exploration: **Upload the Data set:** HRDataset\_v14.csv

# Using the data set:





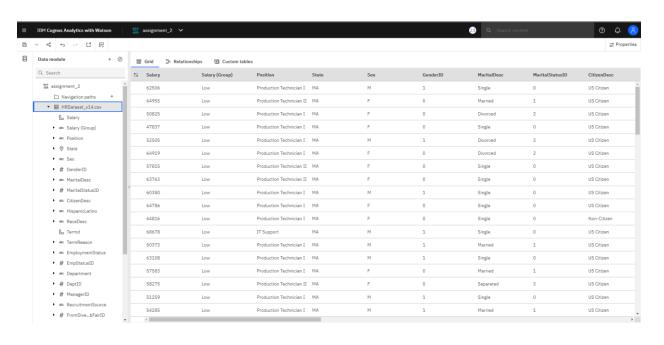


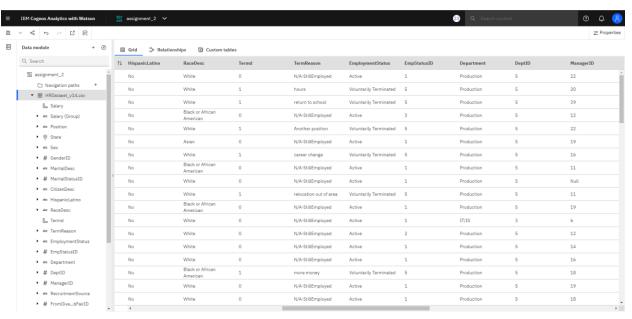


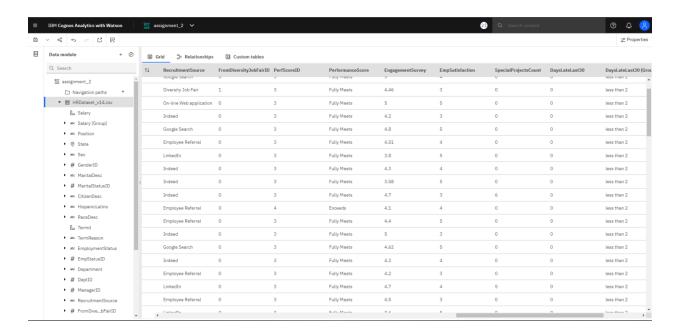
Absence	es.
1	^
17	
3	
15	
2	
15	
19	
19	
4	
16	
12	
15	
9	
7	
1	
20	
16	
12	
	<b>+</b>

## Preparing a new data module:

### Data Module



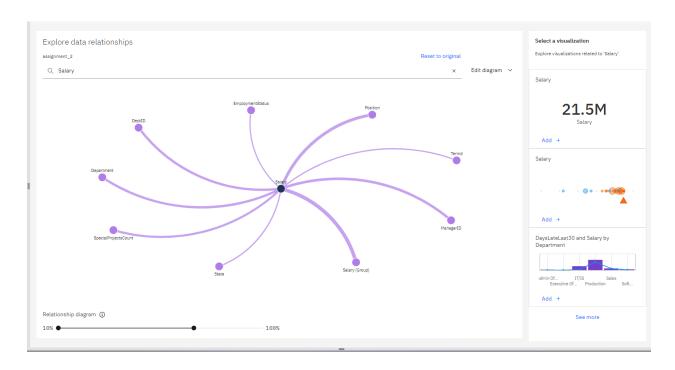


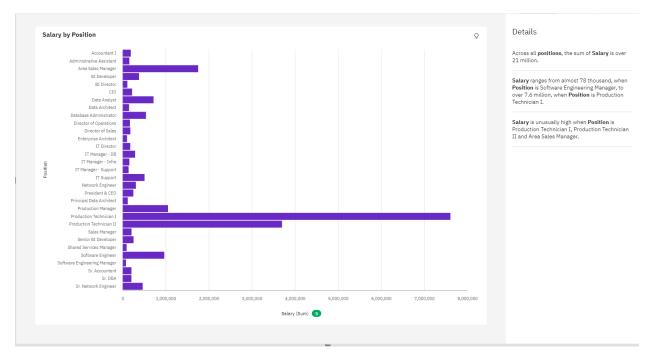


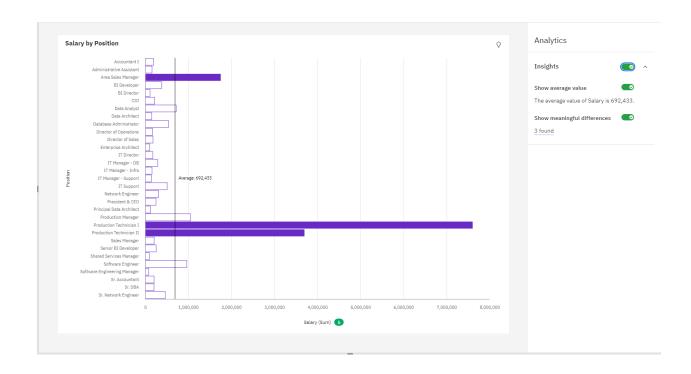
Absences	Absences (Group)
۷	tess triair o
4	less than 6
1	less than 6
2	less than 6
5	less than 6
3	less than 6
4	less than 6
3	less than 6
3	less than 6
2	less than 6
5	less than 6
3	less than 6
1	less than 6
1	less than 6
1	less than 6
3	less than 6
1	less than 6
5	less than 6
Α	Inna than 4

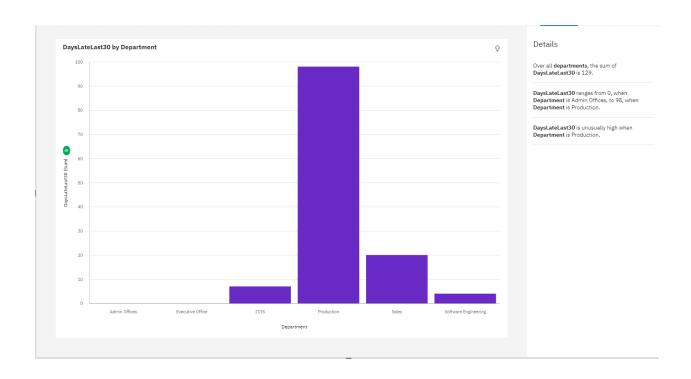
# **Exploring and visualizing the Data:**

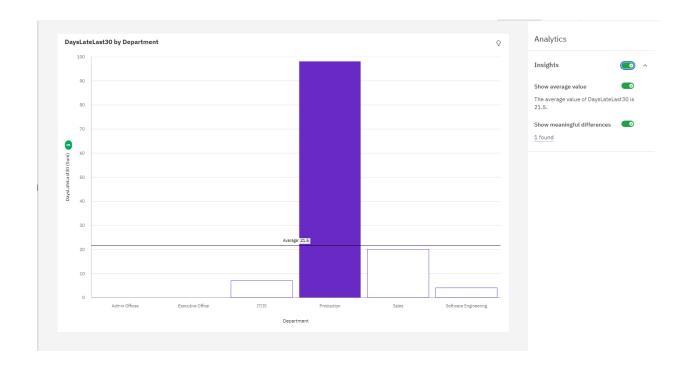
# Exploration module

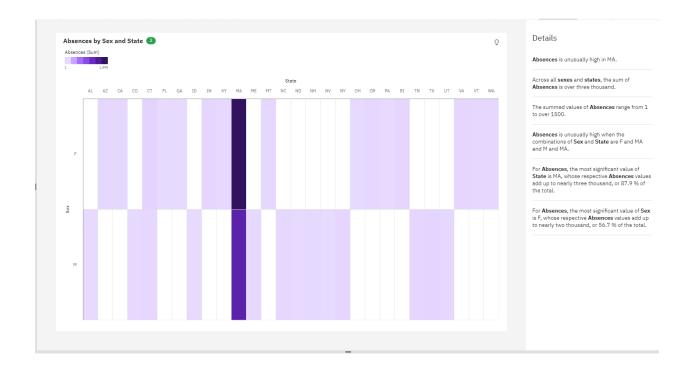


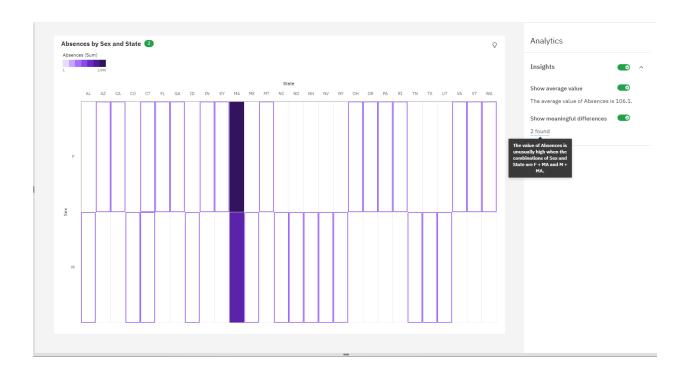


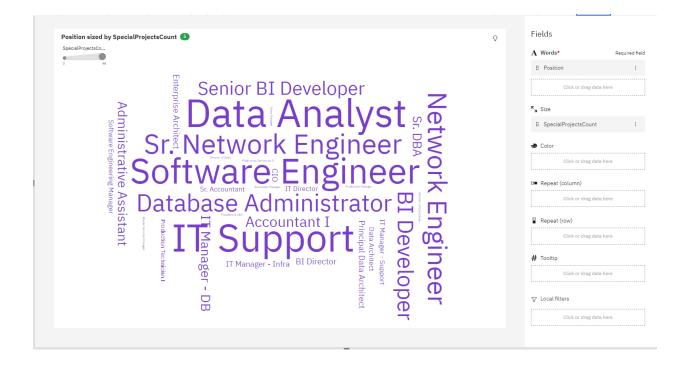


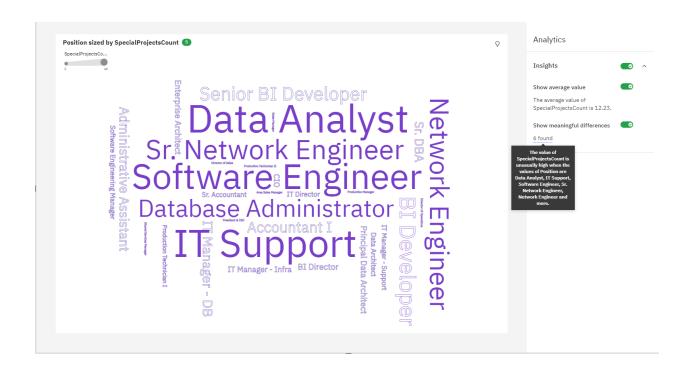


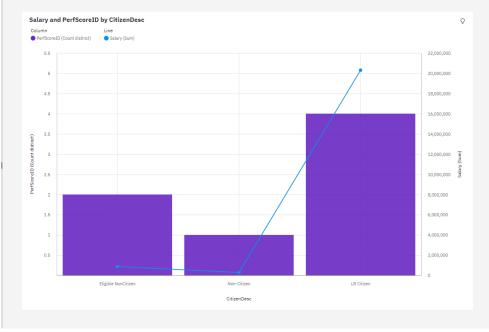












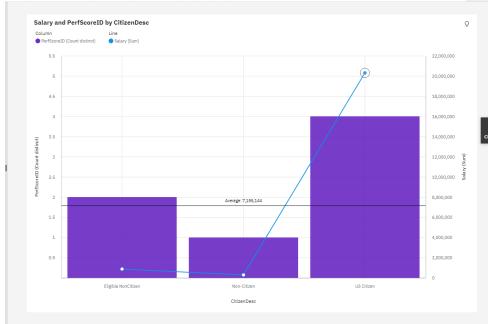
The total number of results for PerfScoreID, across all CitizenDesc, is 311.

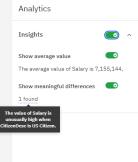
US Citizen is the most frequently occurring category of CitizenDesc with a count of 295 items with PerfScoreID values (94.9 % of the total)

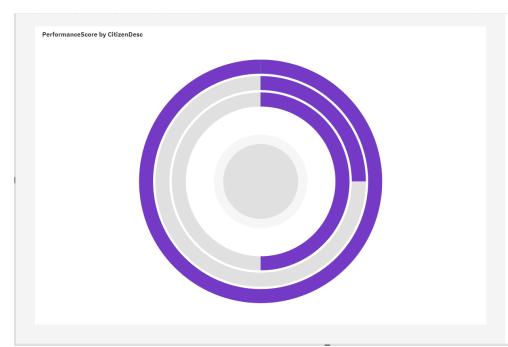
Across all values of **CitizenDesc**, the sum of **Salary** is over 21 million.

Salary ranges from over 289 thousand, when CitizenDesc is Non-Citizen, to over 20 million, when CitizenDesc is US Citizen.

Salary is unusually high when CitizenDesc is US Citizen.

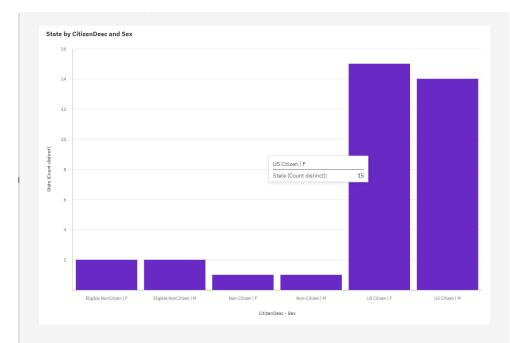






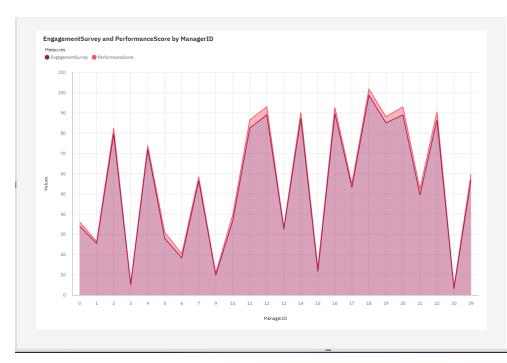
The total number of results for **PerformanceScore**, across all **CitizenDesc**, is 311.

US Citizen is the most frequently occurring category of CitizenDesc with a count of 295 items with PerformanceScore values (94.9 % of the total).



The total number of results for **State**, across all **citizendesc - sexes**, is 311.

US Citizen|F (53.7 %) and US Citizen|M (41.2 %) are the most frequently occurring categories of CitizenDesc - Sex with a combined count of 295 items with State values (94.9 % of the total).



#### Details

The total number of results for EngagementSurvey, across all ManagerID, is 311.

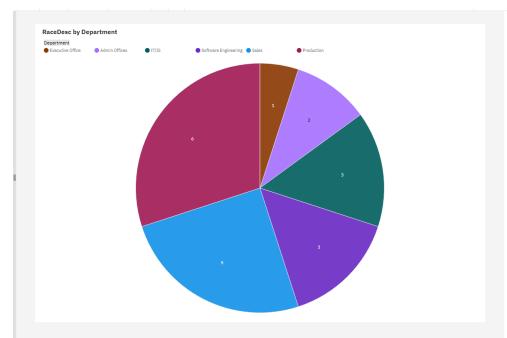
Over all values of ManagerID, the average of EngagementSurvey is 4.11.

The total number of results for **PerformanceScore**, across all **ManagerID**, is 311.

EngagementSurvey ranges from 3.03, when ManagerID is 30, to 98.66, when ManagerID is 18.

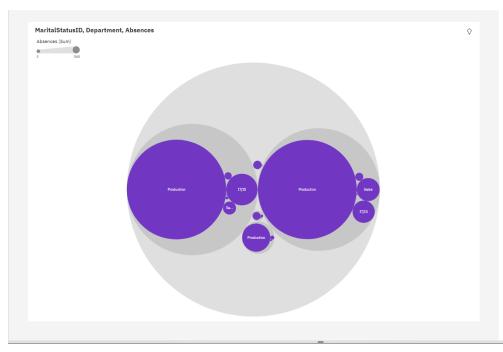
EngagementSurvey is most unusual when ManagerID is 30, 3 and 18.

 $12~(7.1~\%), 16~(7.1~\%), 18~(7.1~\%), 20~(7.1~\%),\\ and 11~(6.8~\%) are the most frequently\\ occurring categories of ManagerID with a combined count of 109 items with EngagementSurvey values (35~\% of the total) .$ 



The total number of results for **RaceDesc**, across all **departments**, is 311.

Production is the most frequently occurring category of **Department** with a count of 209 items with **RaceDesc** values (67.2 % of the total).



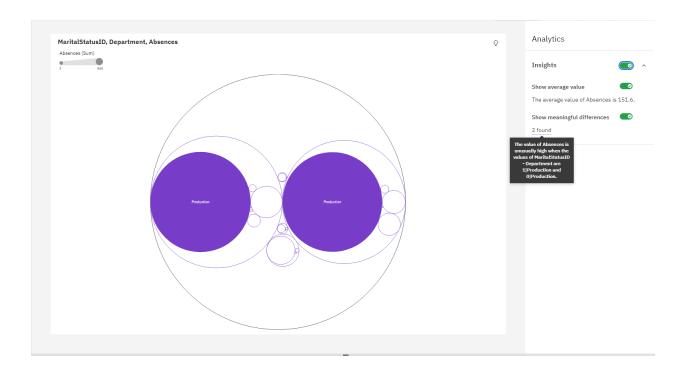
#### Details

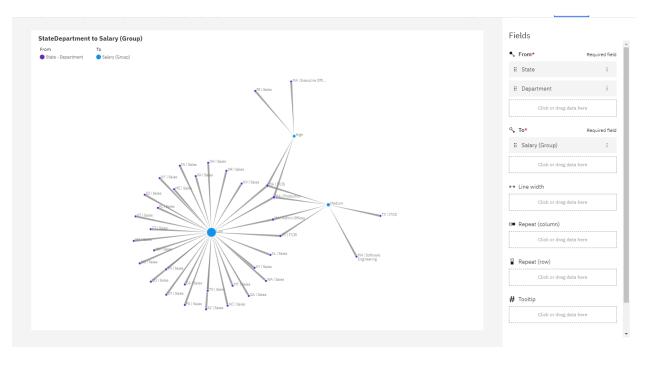
Across all **maritalstatusid - departments**, the sum of **Absences** is over three thousand.

Absences ranges from 3, when MaritalStatusID - Department is 2|Admin Offices, to 868, when MaritalStatusID - Department is 1|Production.

 $\label{lem:based-absences} \begin{tabular}{ll} Absences is unusually high when \\ MaritalStatusID - Department is 1|Production \\ and 0|Production. \end{tabular}$ 

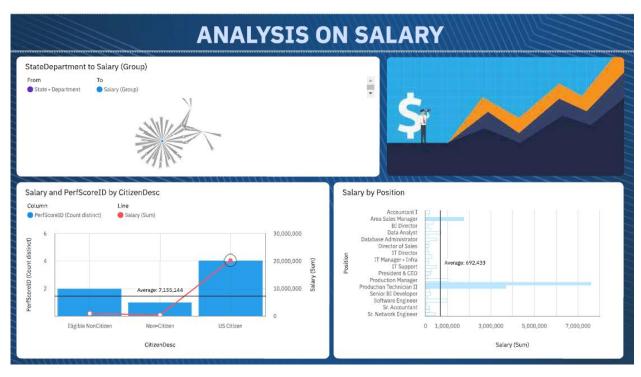
For **Absences**, the most significant values of **MaritalStatusID - Department** are 1|Production and O|Production, whose respective **Absences** values add up to over 1500, or 54.4 % of the total.

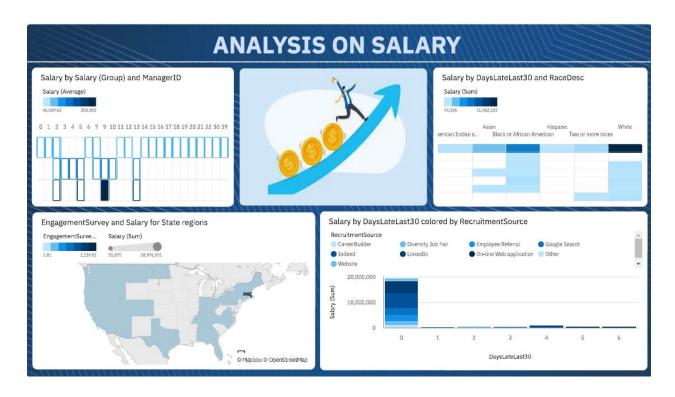


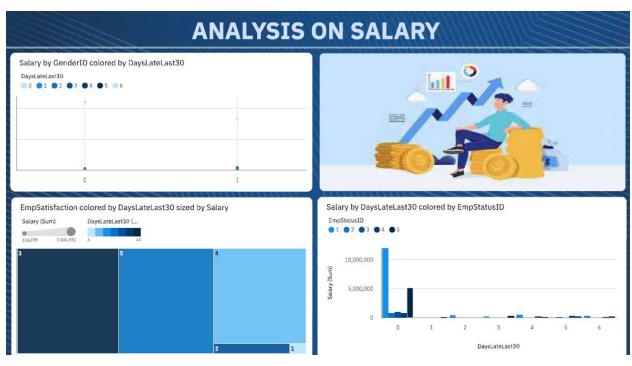


## **Dashboard:**









# **Creating dashboard**

https://ap2.ca.analytics.ibm.com/bi/?perspective=dashboard&pathRef=.public\_folders%2Fassig nments%2Fdash1&action=view&mode=dashboard&subView=model00000187f0b2d2d3\_00000 003

# **Creating a report**

https://ap2.ca.analytics.ibm.com/bi/?pathRef=.my\_folders%2FNM\_Report

# **Story:**

https://ap2.ca.analytics.ibm.com/bi/?perspective=story&pathRef=.my\_folders%2FNM\_Story&action=view&mode=dashboard