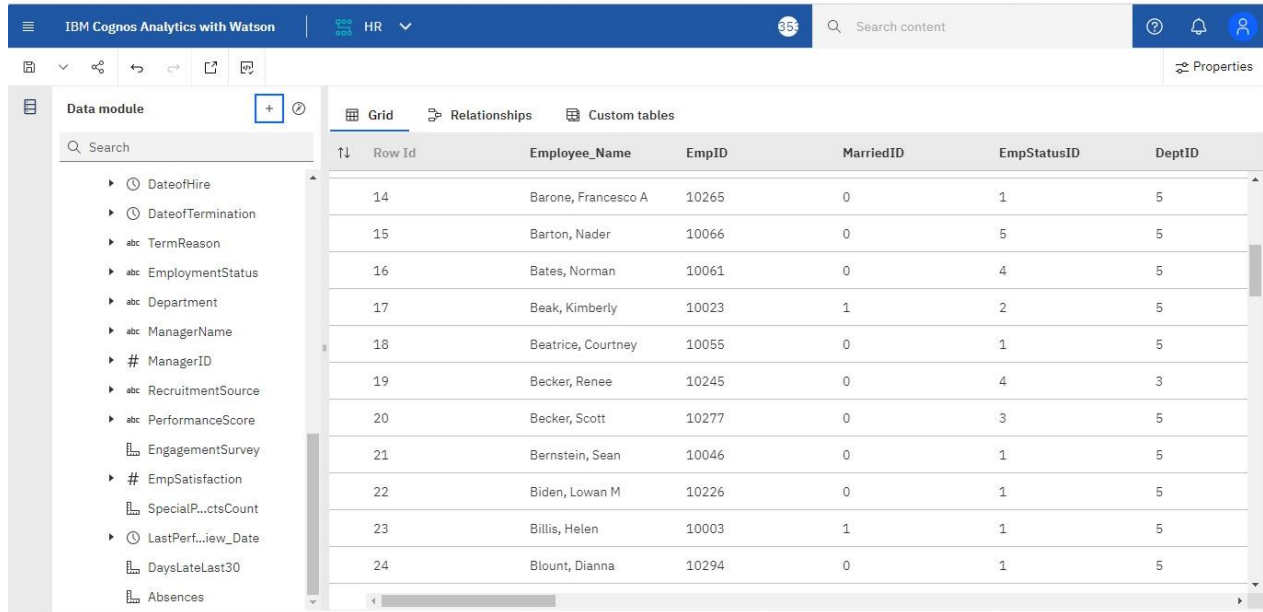


## ASSIGNMENT-02

### 1)Data Module Creation:

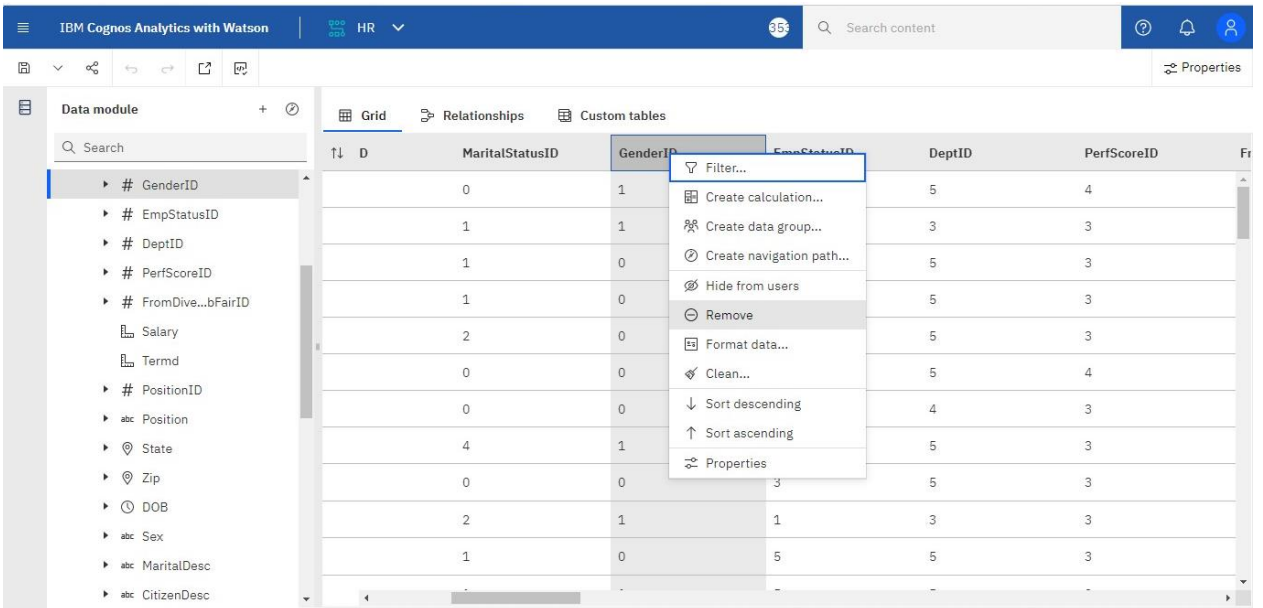


The screenshot shows the IBM Cognos Analytics interface. The top navigation bar includes the IBM Cognos Analytics with Watson logo, a dropdown menu for 'HR', a search bar, and user profile icons. The main workspace is divided into a left sidebar for the 'Data module' and a central grid view. The sidebar contains a search bar and a list of data fields: DateofHire, DateofTermination, TermReason, EmploymentStatus, Department, ManagerName, ManagerID, RecruitmentSource, PerformanceScore, EngagementSurvey, EmpSatisfaction, SpecialP...ctsCount, LastPerf...iew\_Date, DaysLateLast30, and Absences. The central grid view displays a table with the following columns: Row Id, Employee\_Name, EmpID, MarriedID, EmpStatusID, and DeptID. The table contains 11 rows of data.

Row Id	Employee_Name	EmpID	MarriedID	EmpStatusID	DeptID
14	Barone, Francesco A	10265	0	1	5
15	Barton, Nader	10066	0	5	5
16	Bates, Norman	10061	0	4	5
17	Beak, Kimberly	10023	1	2	5
18	Beatrice, Courtney	10055	0	1	5
19	Becker, Renee	10245	0	4	3
20	Becker, Scott	10277	0	3	5
21	Bernstein, Sean	10046	0	1	5
22	Biden, Lowan M	10226	0	1	5
23	Billis, Helen	10003	1	1	5
24	Blount, Dianna	10294	0	1	5

### 2)Cleaning Data:

Unnessary Column (GenderID is deleted as we already have Sex):



The screenshot shows the IBM Cognos Analytics interface. The top navigation bar includes the IBM Cognos Analytics with Watson logo, a dropdown menu for 'HR', a search bar, and user profile icons. The main workspace is divided into a left sidebar for the 'Data module' and a central grid view. The sidebar contains a search bar and a list of data fields: GenderID, EmpStatusID, DeptID, PerfScoreID, FromDive...bFairID, Salary, Termid, PositionID, Position, State, Zip, DOB, Sex, MaritalDesc, and CitizenDesc. The central grid view displays a table with the following columns: D, MaritalStatusID, GenderID, EmpStatusID, DeptID, PerfScoreID, and Fr. The table contains 11 rows of data. A context menu is open over the GenderID column, showing options: Filter..., Create calculation..., Create data group..., Create navigation path..., Hide from users, Remove, Format data..., Clean..., Sort descending, Sort ascending, and Properties.

D	MaritalStatusID	GenderID	EmpStatusID	DeptID	PerfScoreID	Fr
0	1	1	5	4		
1	1	1	3	3		
1	0	0	5	3		
1	0	0	5	3		
2	0	0	5	3		
0	0	0	5	4		
0	0	0	4	3		
4	1	1	5	3		
0	0	0	3	5	3	
2	1	1	1	3	3	
1	0	5	5	3		

## Unnessary Column (MaritalStatusID deleted as we already have MaritalDesc):

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' pane lists various fields: # MaritalStatusID, # EmpStatusID, # DeptID, # PerfScoreID, # FromDive...bFairID, Salary, Termd, # PositionID, abc Position, State, Zip, DOB, Sex, MaritalDesc, and CitizenDesc. The main grid displays data with columns: MarriedID, MaritalStatusID, EmpStatusID, DeptID, PerfScoreID, and FromD... A context menu is open over the MaritalStatusID column, showing options: Filter..., Create calculation..., Create data group..., Create navigation path..., Hide from users, Remove, Format data..., Clean..., Sort descending, Sort ascending, and Properties.

MarriedID	MaritalStatusID	EmpStatusID	DeptID	PerfScoreID	FromD...
0	0		5	4	0
1	1		3	3	0
1	1		5	3	0
1	1		5	3	0
0	2		5	3	0
0	0		5	4	0
0	0		4	3	0
0	4		5	3	0
0	0		5	3	1
0	2	1	3	3	0
1	1	5	5	3	1

## Unnessary Column (DeptID deleted as we already have Department):

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' pane lists various fields: # DeptID (expanded to show values 1, 2, 3, 4, 5, 6), # PerfScoreID, # FromDive...bFairID, Salary, Termd, # PositionID, abc Position, State, and Zip. The main grid displays data with columns: MarriedID, EmpStatusID, DeptID, FromDiversityJobFairID, and Sala... A context menu is open over the DeptID column, showing options: Filter..., Create calculation..., Create data group..., Create navigation path..., Hide from users, Remove, Format data..., Clean..., Sort descending, Sort ascending, and Properties.

MarriedID	EmpStatusID	DeptID	FromDiversityJobFairID	Sala...
0	1	5	0	5
0	5	5	0	5
0	4	5	0	5
1	2	5	0	7
0	1	5	0	5
0	4	3	0	1
0	3	5	0	5
0	1	5	0	5
0	1	5	3	6
1	1	5	4	6
0	1	5	2	6

## Unnecessary Column (PositionID deleted as we already have Position):

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' pane lists columns: # PositionID, # 1, # 2, # 3, # 4, # 5, # 6, # 7, # 8, # 9, # 10, # 11, # 12, # 13, and # 14. The main grid view displays a table with columns: ary, Termd, PositionID, State, and Zip. A context menu is open over the PositionID column, showing options: Filter..., Create calculation..., Create data group..., Create navigation path..., Hide from users, Remove, Format data..., Clean..., Sort descending, Sort ascending, and Properties. The 'Remove' option is highlighted.

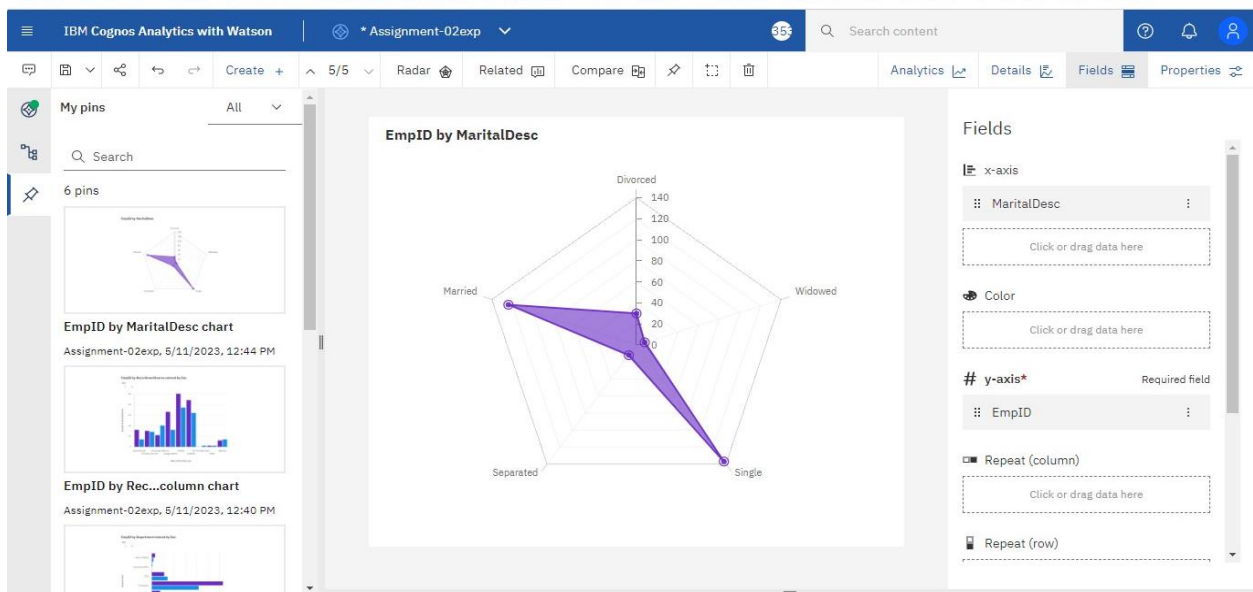
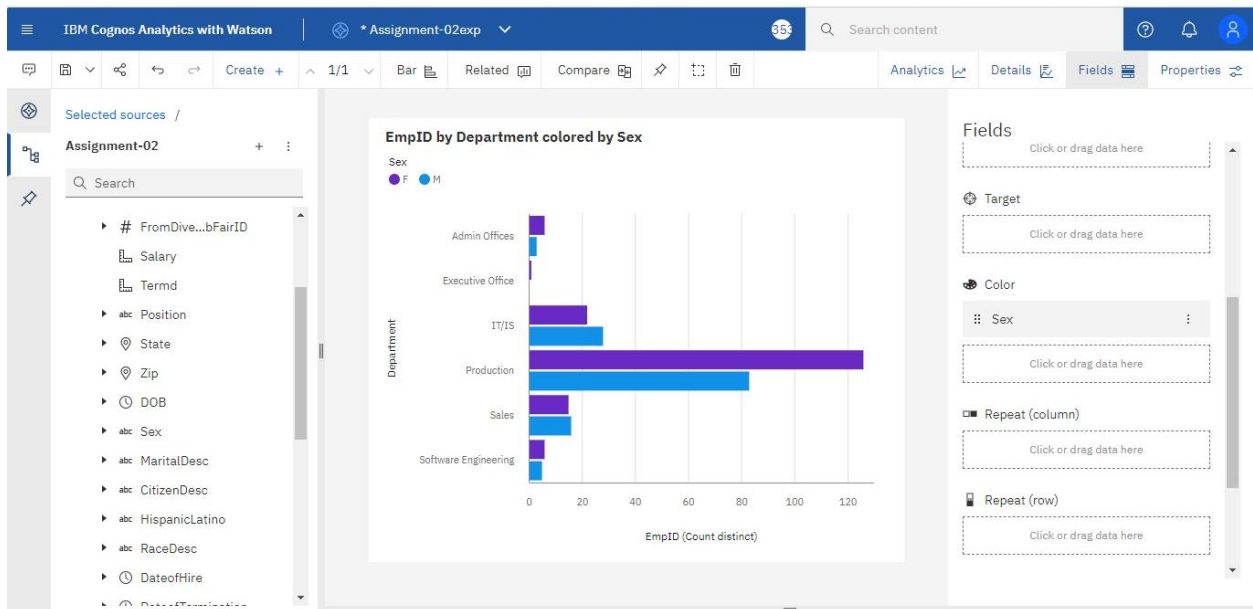
ary	Termd	PositionID	State	Zip
06	0	19	Technician I MA	1960
1437	1	27	MA	2148
55	1	20	Technician II MA	1810
91	0	19	Technician I MA	1886
25	1	19	Technician I MA	2169
68	0	19	Technician I MA	1844
60	0	24	Engineer MA	2110
65	0	19	Technician I MA	2199
37	0	19	Production Technician I MA	1902
78	0	14	IT Support MA	1886
70	1	19	Production Technician I MA	1902

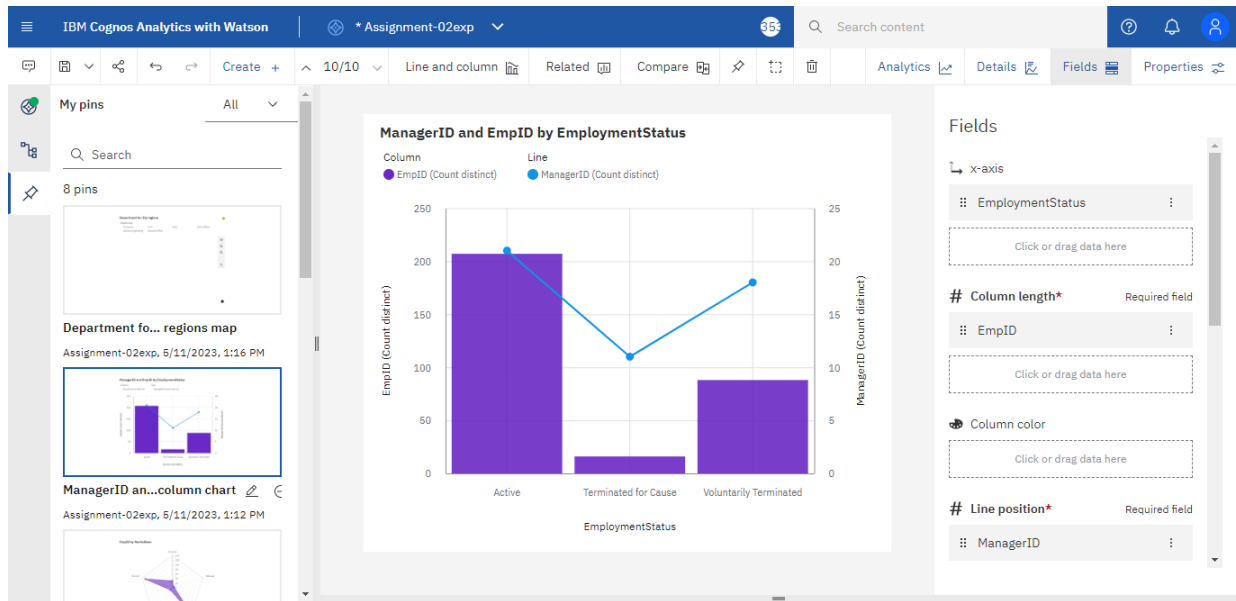
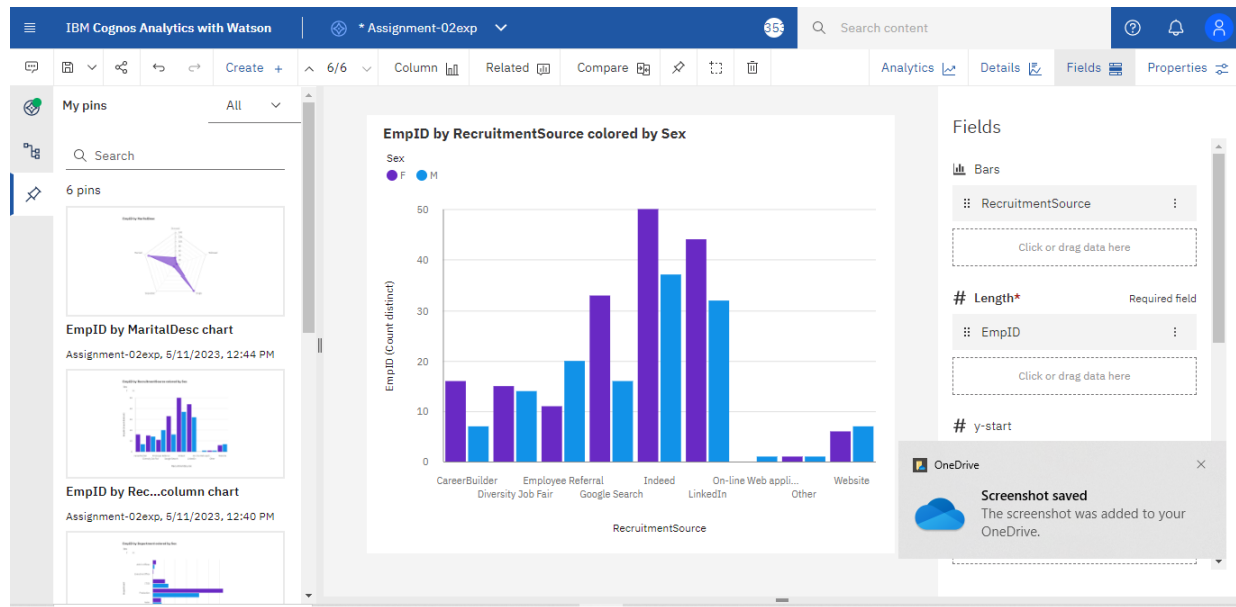
## Unnecessary Column (PerfScoreID deleted as we already have PerformanceScore):

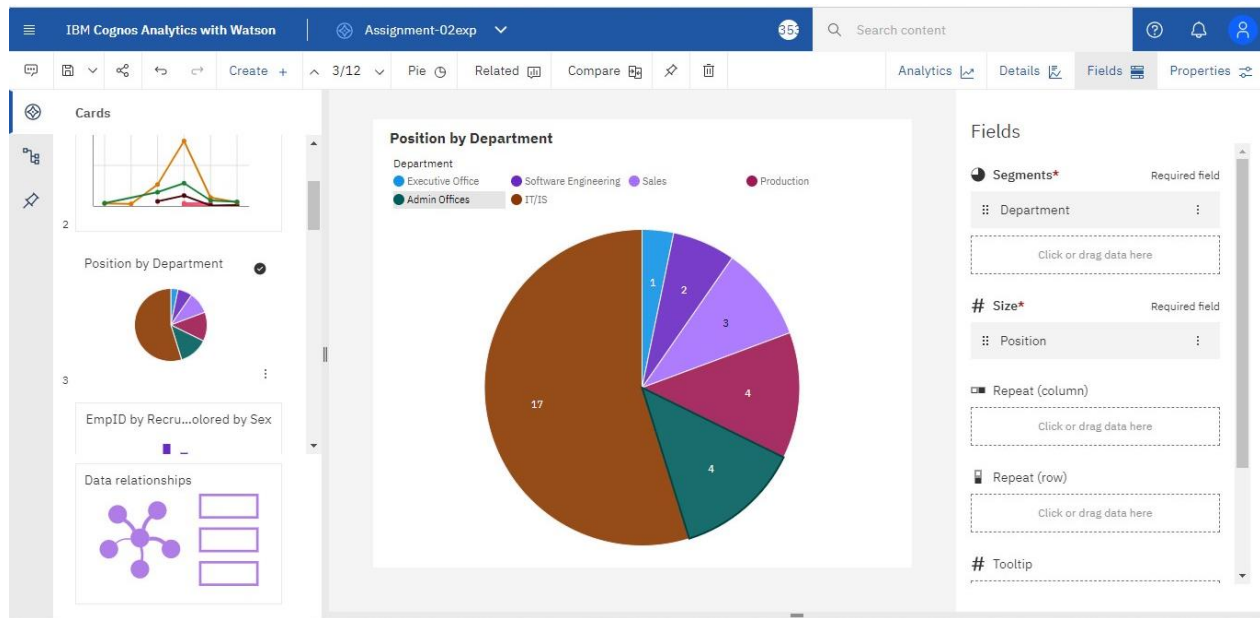
The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' pane lists columns: # PerfScoreID, # 1, # 2, # 3, # 4, # FromDive...bFairID, # Salary, # Termd, # Position, # State, # Zip, # DOB, # Sex, # MaritalDesc, and # CitizenDesc. The main grid view displays a table with columns: pStatusID, PerfScoreID, FromDiversityJobFairID, Salary, Termd, and Position. A context menu is open over the PerfScoreID column, showing options: Filter..., Create calculation..., Create data group..., Create navigation path..., Hide from users, Remove, Format data..., Clean..., Sort descending, Sort ascending, and Properties. The 'Remove' option is highlighted.

pStatusID	PerfScoreID	FromDiversityJobFairID	Salary	Termd	Position
4	4		62506	0	Production Technicia
3	3		104437	1	Sr. DBA
3	3		64955	1	Production Technicia
3	3		64991	0	Production Technicia
3	3		50825	1	Production Technicia
4	4		57568	0	Production Technicia
3	3		95660	0	Software Engineer
3	3		59365	0	Production Technicia
3	3	1	47837	0	Production Technicia
3	3	0	50178	0	IT Support
3	3	1	54670	1	Production Technicia

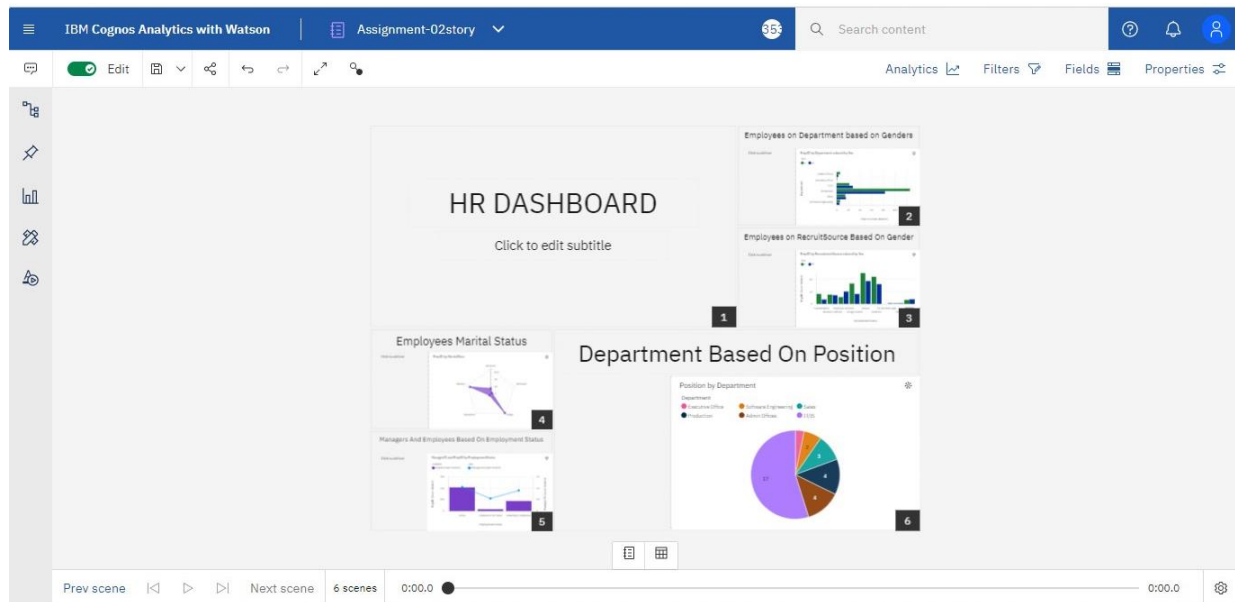
### 3)Dataset Visualization & Exploration:



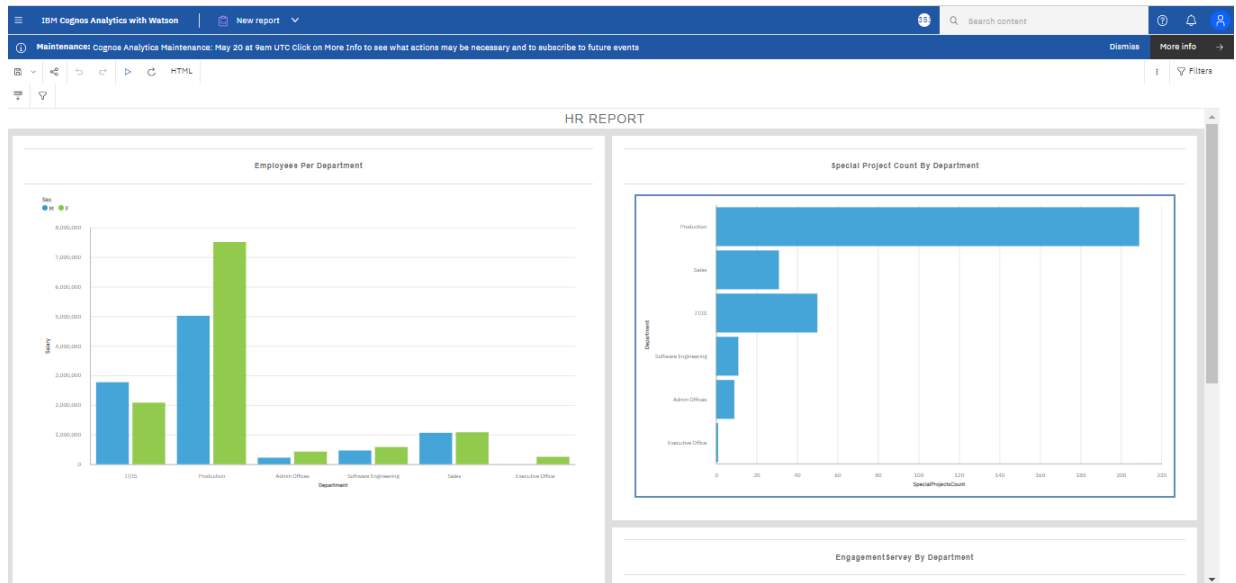
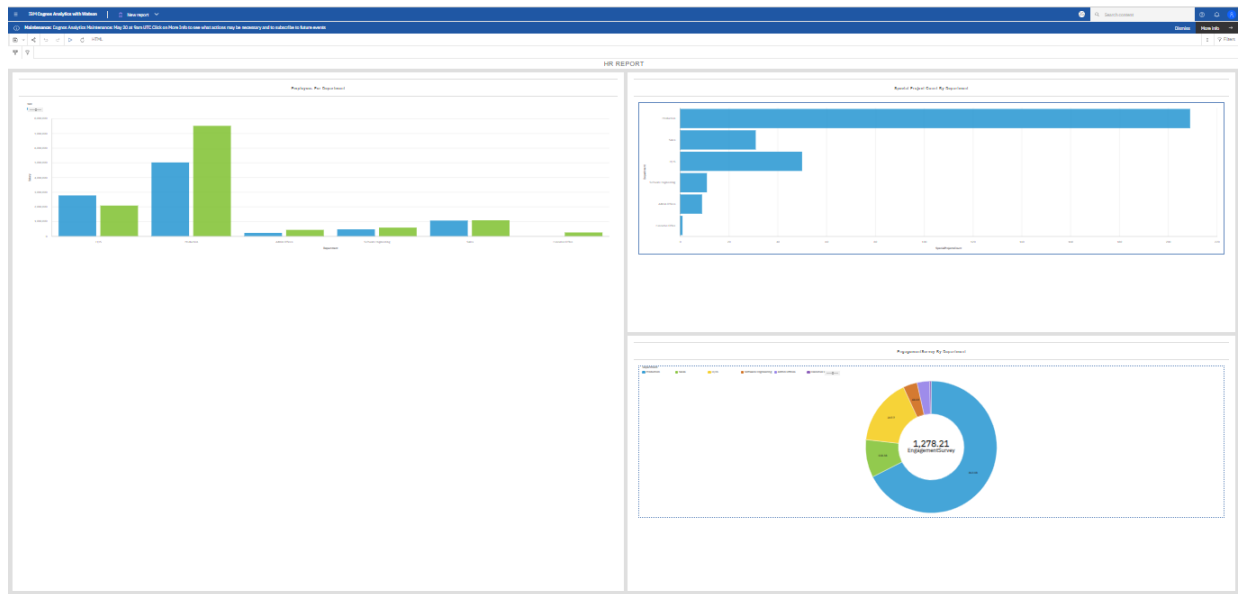


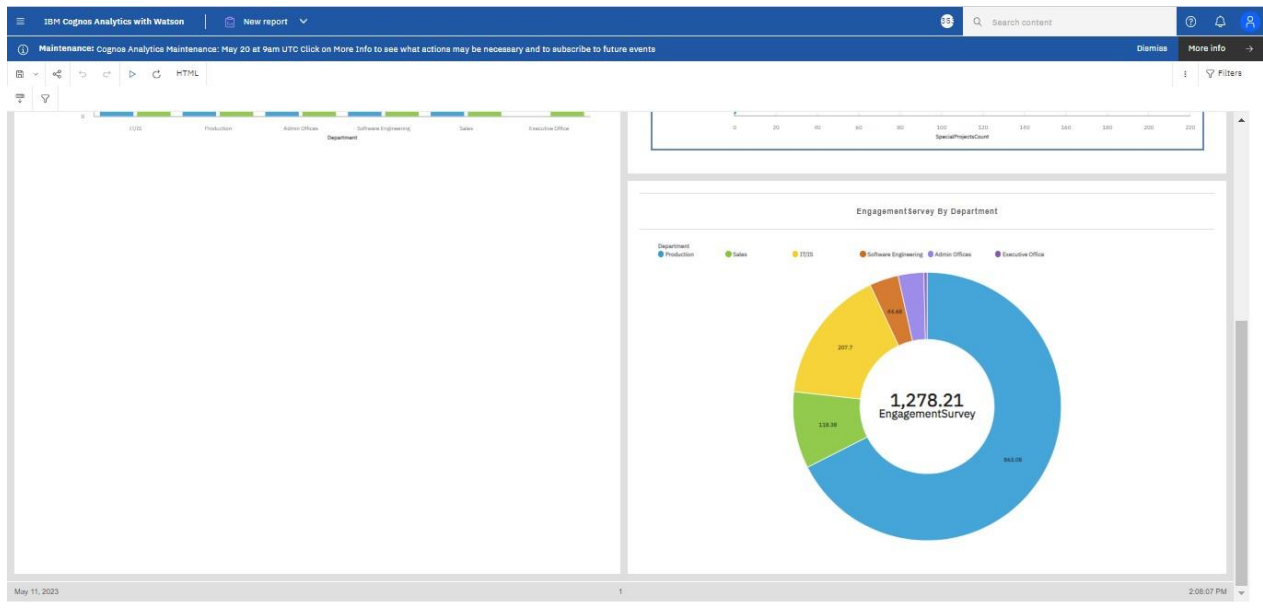


#### 4) Create Story



## 5) Create Report





## 6) Create Dashboard

