

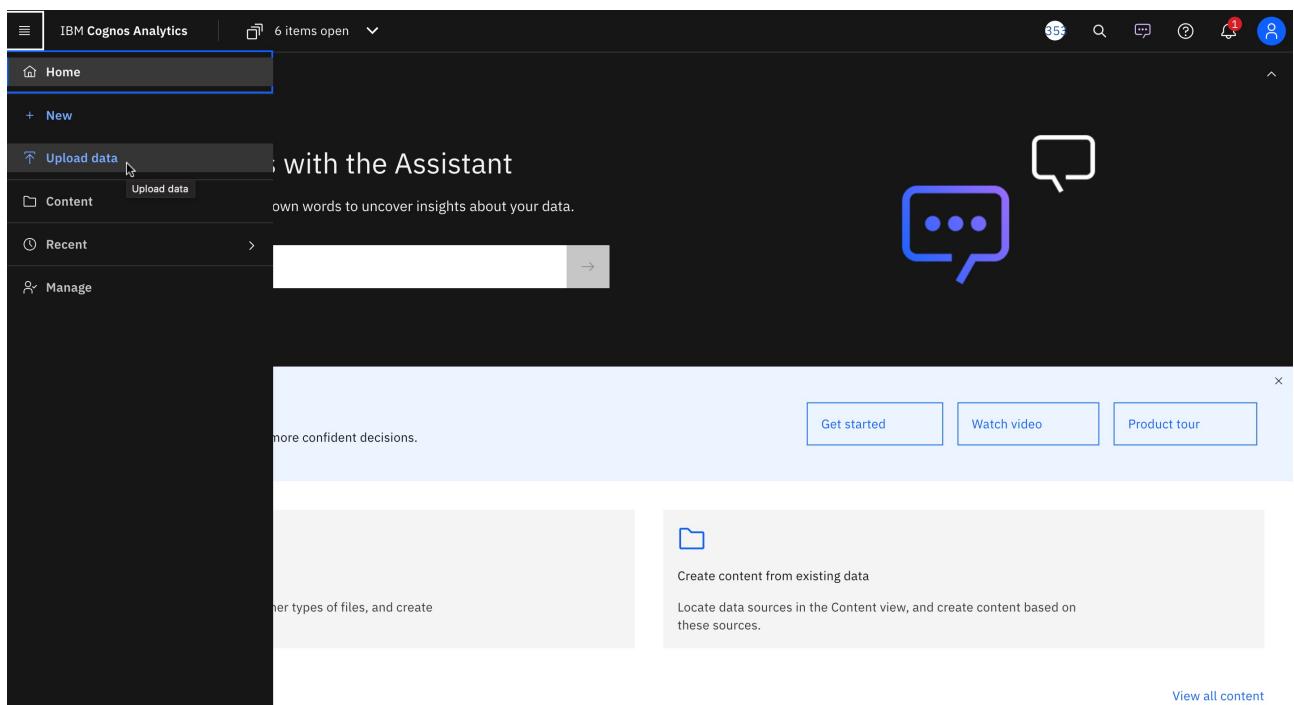
NAME:N.CHARAN SAI

REG NO:21BCE8566

ASSIGNMENT-2

DATA ANALYTICS WITH IBM COGNOS

Upload the dataset to Cognos Analytics:



prepare the data:

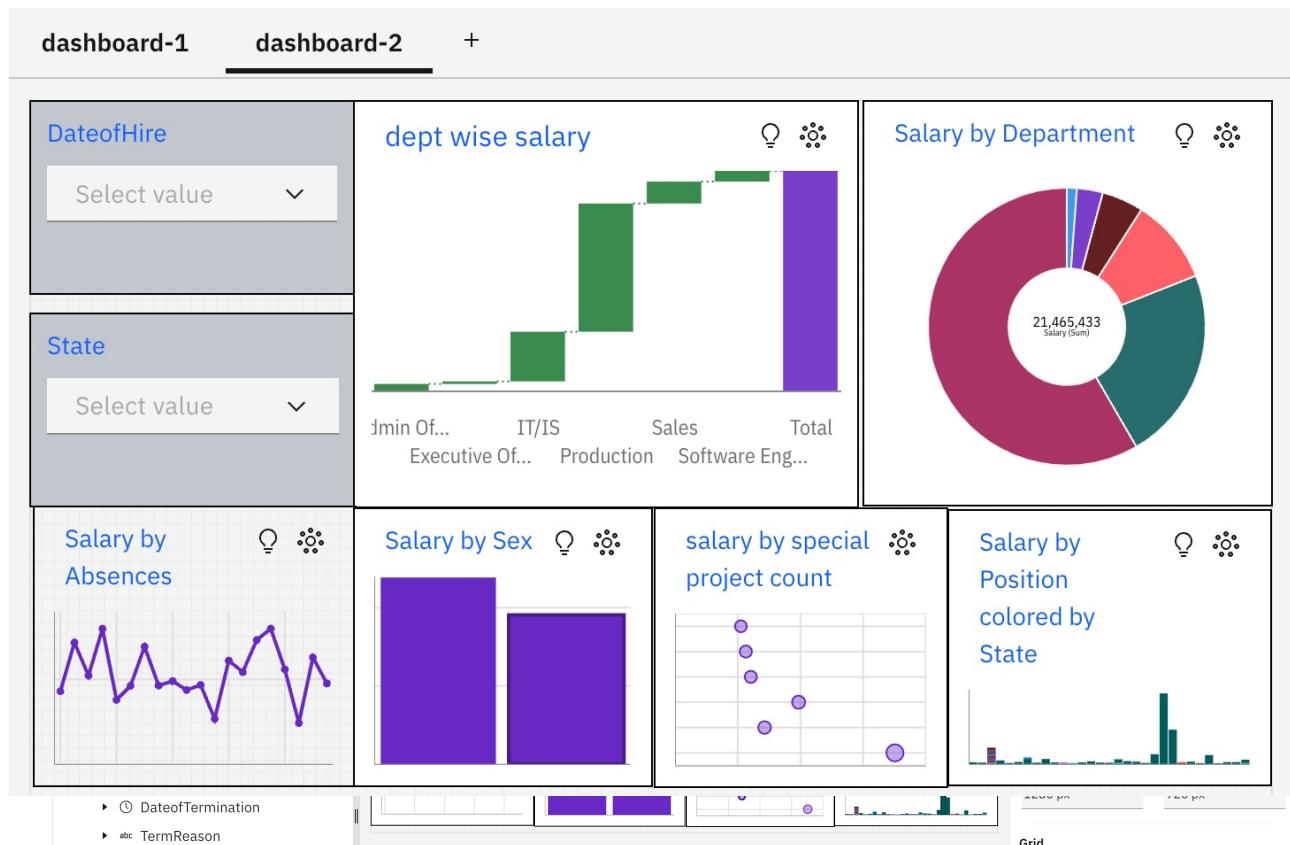
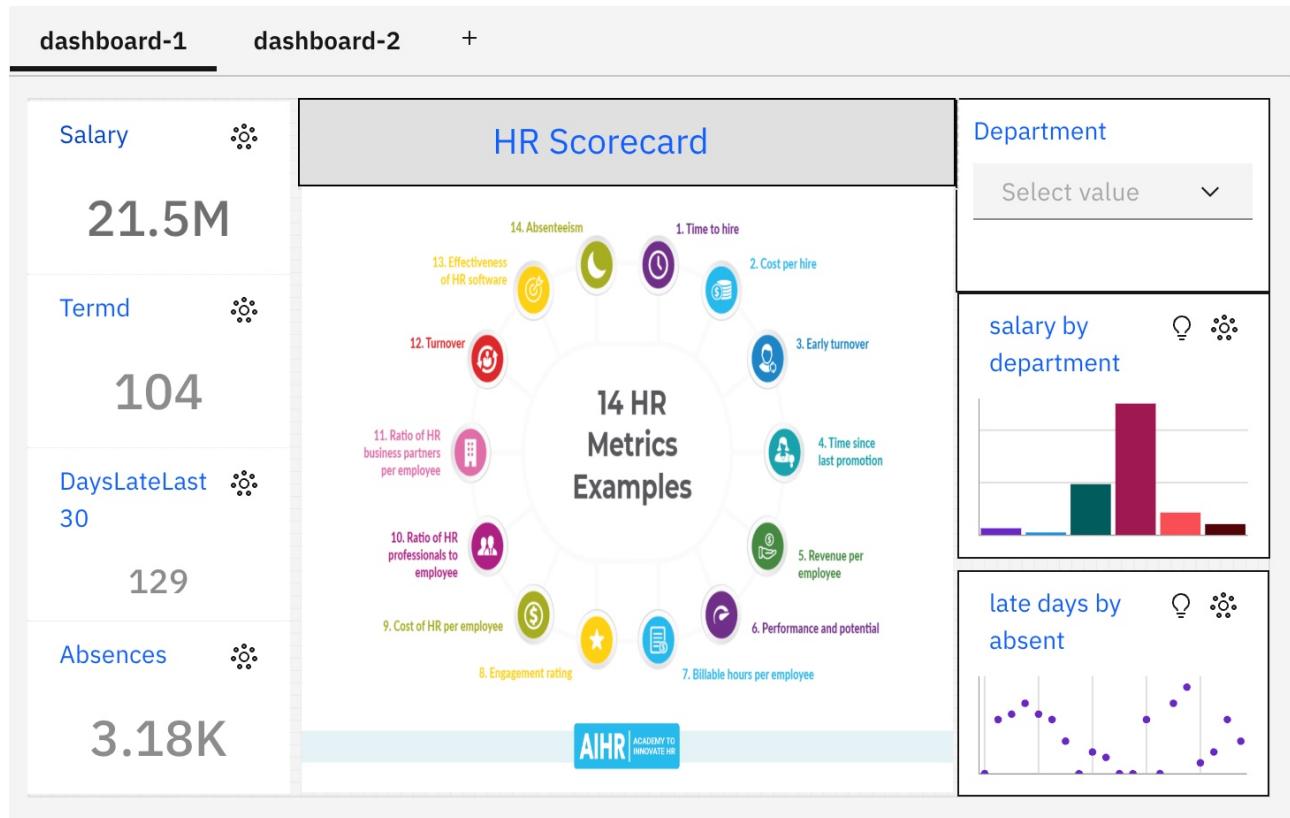
Properties

Data module

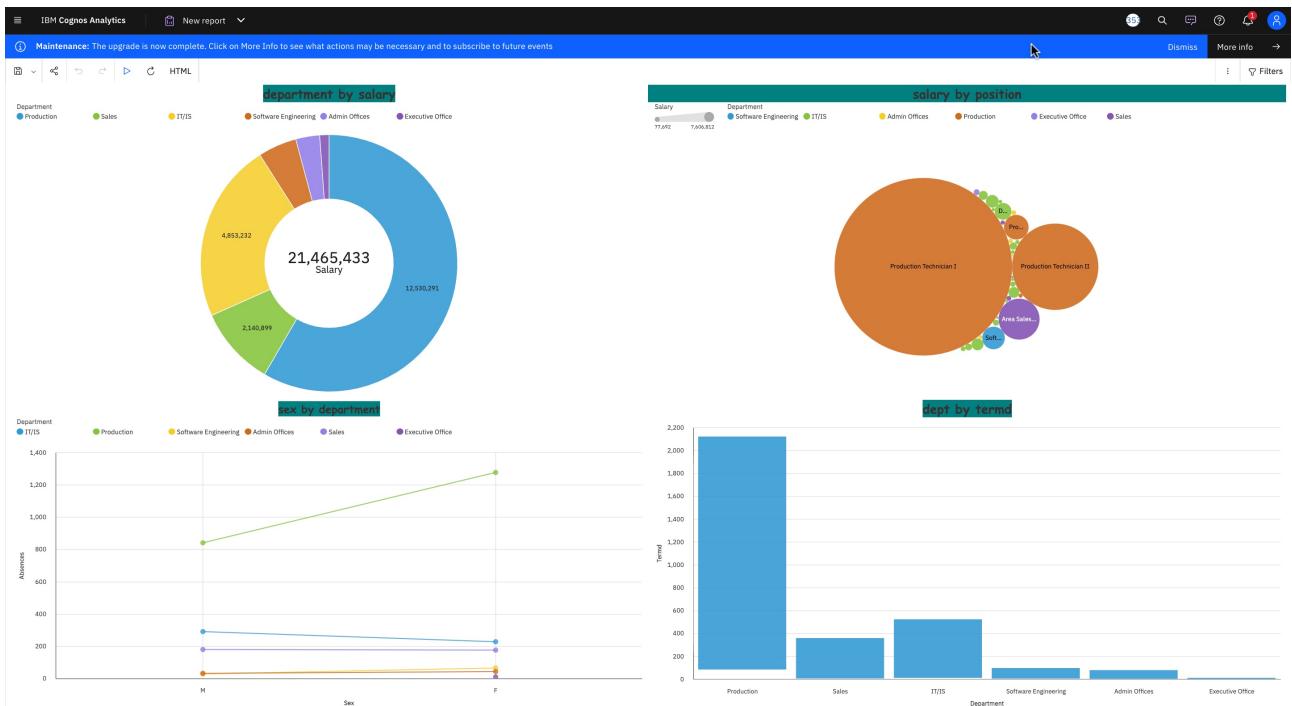
Grid Relationships Custom tables

	DateofHire	DateofTermination	EmploymentStatus	Department	ManagerName
abc MaritalDesc	2012-04-02	2010-11-11	Partially terminated	Production	Kelley Spirea
abc CitizenDesc	2015-03-30	Null	Active	Production	Michael Albert
abc HispanicLatino	2012-08-16	Null	Active	Production	Janet King
abc RaceDesc	2011-08-15	2014-09-04	Partially Terminated	Production	Brannon Miller
① DateofHire	2011-11-07	Null	Active	Production	David Stanley
① DateofTermination	2012-02-15	Null	Active	IT/IS	Jennifer Zamora
abc TermReason	2013-05-13	Null	Active	Production	Kissy Sullivan
abc EmploymentStatus	2012-01-09	Null	Active	Production	Kelley Spirea
abc Department	2015-02-16	N/A-StillEmployed	Active	IT/IS	Peter Monroe
abc ManagerName	2013-04-01	N/A-StillEmployed	Active	Production	Elijah Gray
# ManagerID	2013-05-13	N/A-StillEmployed	Active	Production	Michael Albert
abc RecruitmentSource	2013-07-08	N/A-StillEmployed	Active	Production	Kissy Sullivan
abc PerformanceScore	2017-02-10	N/A-StillEmployed	Active	IT/IS	Brian Champaigne
EngagementSurvey	2011-09-26	return to school	Voluntarily Terminated	Production	Webster Butler
# EmpSatisfaction	2013-04-01	more money	Voluntarily Terminated	Production	Amy Dunn
SpecialProjectsCount					
LastPerfor...view_Date					
DaysLateLast30					
Absences					

Dashboard:



Report:



Story:

My pins

- SpecialProjectsCount by PerformanceScore colored by Sex
- EngagementSurvey by Department
- Termid and DaysLast30 by RecruitmentSource

Story properties

- Scenes
- Story type: Guided journey
- Layout
- Show all scenes at the start
- Show all scenes at the end
- Canvas

Scenes

- HR Scorecard
- Area Chart
- Column Graph
- Stacked Column
- Pie Chart
- Column Line Graph

Scene 0

Scene 1

Scene 2

Scene 3

Scene 4

Scene 5

Scene 6

Prev scene | Next scene | 6 scenes | 0:00.0

IBM Cognos Analytics * 21BCE8566_ASSIGN_2

Analytics Filters Fields Properties

My pins All

Search 27 pins

SpecialProjectsCount by PerformanceScore colored by Sex

SpecialProjectsCounted column chart

assign story, 9/6/2023, 9:00 AM

EngagementSurvey by Department

EngagementSurvey...tment pie chart

assign story, 9/6/2023, 9:00 AM

Term and DaysLateLast30 by RecruitmentSource

Term and DaysLa...nd column chart

assign story, 9/6/2023, 9:00 AM

HR Scorecard

Mission and Goals

Financial

Internal Business Process

Customers

Learning and Growth

Story properties

Scenes

Story type Guided journey

Layout

Show all scenes at the start

Show all scenes at the end

Canvas

Prev scene Next scene Scene 1 of 6 0:00.0 0:05.0

IBM Cognos Analytics * 21BCE8566_ASSIGN_2

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SpecialProjectsCounted column chart

assign story, 9/6/2023, 9:00 AM

EngagementSurvey by Department

EngagementSurvey...tment pie chart

assign story, 9/6/2023, 9:00 AM

Term and DaysLateLast30 by RecruitmentSource

Term and DaysLa...nd column chart

assign story, 9/6/2023, 9:00 AM

AREA CHART

RecruitmentSource

Salary by Position

Position

- This is a Area Chart
- This Area Chart indicates that the position of product technician pays with highest salary

Story properties

Scenes

Story type Guided journey

Layout

Show all scenes at the start

Show all scenes at the end

Canvas

Prev scene Next scene Scene 2 of 6 0:00.0 0:05.0

COLUMN LINE GRAPH

This line and column graph indicates that Google search has the highest TMD.

Termd and DaysLateLast30 by RecruitmentSource

Recruitment Source	Term Count (DaysLateLast30=0)	Days Late Last 30
CareerBuilder	~18	~15
Diversity Job Fair	~18	~10
Employee Referral	~10	~5
Google Search	~28	~28
Indeed	~35	~25
LinkedIn	~28	~15
On-line Web applic...	~10	~5
Other	~5	~5
Website	~5	~5

Story properties

Scenes

Story type: Guided journey

Layout:

- Scene 0: Empty
- Scene 1: Empty
- Scene 2: Empty
- Scene 3: Empty
- Scene 4: Contains the chart above

Show all scenes at the start:

Show all scenes at the end:

Canvas

Scene 4 canvas layout:

```

graph LR
    S4[Scene 4] --- C4[Column Line Graph]
    style S4 fill:none,stroke:none
    style C4 fill:none,stroke:none
    
```

Scene 4 progress: 0:05.0

COLOUMLN GRAPH

This is a column chart showing salary by recruitment source. We can observe that people recruited through Indeed have the highest salary.

Salary by RecruitmentSource

Recruitment Source	Salary (\$)
CareerBuilder	~1,000,000
Diversity Job Fair	~1,000,000
Employee Referral	~1,000,000
Google Search	~1,500,000
Indeed	~4,500,000
LinkedIn	~4,000,000
On-line Web applic...	~100,000
Other	~100,000
Website	~100,000

Story properties

Scenes

Story type: Guided journey

Layout:

- Scene 0: Empty
- Scene 1: Empty
- Scene 2: Empty
- Scene 3: Contains the chart above

Show all scenes at the start:

Show all scenes at the end:

Canvas

Scene 3 canvas layout:

```

graph LR
    S3[Scene 3] --- C3[Column Graph]
    style S3 fill:none,stroke:none
    style C3 fill:none,stroke:none
    
```

Scene 3 progress: 0:05.0

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PIE CHART

This is a pie chart.
This pie chart indicates that production has highest engagement survey.

Category	Value
Exceeds	863.08
Fully Meets	207.7
Needs Improvement	118.38

COLUMN IN THE GR...

1 2 3 4 5

Story properties
Scenes
Story type Guided journey
Layout
Show all scenes at the start
Show all scenes at the end
Canvas

IBM Cognos Analytics * 21BCE8566_ASSIGN_2

STACKED COLUMN

this is a stacked column graph.
this indicates that the person with highest performance score have more special project.

PerformanceScore	Sex	Value
Exceeds	F	~10
Exceeds	M	~10
Fully Meets	F	~180
Fully Meets	M	~10
Needs Improvement	F	~10
Needs Improvement	M	~10
PIP	F	~10
PIP	M	~10

4 5 6 7

Prev scene <|> Next scene Scene 6 of 6 0:00.0 0:05.0

Story properties
Scenes
Story type Guided journey
Layout
Show all scenes at the start
Show all scenes at the end
Canvas