

## Sprint -2

### Data Module Creation

Date	04 November 2022
Team ID	PNT2022TMID14579
Project Name	Corporate Employee Attrition Analytics

#### Data Visualization Charts:

Login to IBM Cognos and then click open **New-> Data Module**. Then load the required dataset (Employee\_survey\_data, general\_data, manager\_survey\_data) for resources to create a data module.  
Create a Relationship between these three dataset with respect to employee\_ID and save the created data module.

The screenshot shows the IBM Cognos Data Module creation interface. Two datasets are loaded: 'general\_data.csv' (table 1) and 'manager\_survey\_data.csv' (table 2). A relationship is established between the 'EmployeeID' column in 'general\_data.csv' and the 'EmployeeID' column in 'manager\_survey\_data.csv'. The relationship is labeled '1' and 'N'.

Below the relationship diagram, a table displays the data for the relationship:

OptionLevel	TotalWorkingYears	TrainingTimesLastYear	YearsAtCompany	YearsSinc...Promotion	YearsWith...rrManager	EmployeeID
1	6	1	0	0	1	1
6	3	5	1	4	2	2
5	2	5	0	3	3	3
13	5	8	7	5	4	4

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table 1: general\_data.csv

table 2: manager\_survey\_data.csv

Search

- # Education
- abc EducationField
- # EmployeeID
- abc Gender
- # JobLevel

Search

- # Row Id
- # EmployeeID
- # JobInvolvement

Match selected columns

OptionLevel	TotalWorkingYears	TrainingTimesLastYear	YearsAtCompany	YearsSinc...Promotion	YearsWith...rrManager	EmployeeID
1	6	1	0	0	1	
6	3	5	1	4	2	
5	2	5	0	3	3	
13	5	8	7	5	4	

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Search the web

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employee\_survey\_data.csv

manager\_survey\_data.csv

Search

- # Row Id
- # EmployeeID
- abc EnvironmentSatisfaction
- abc JobSatisfaction
- abc WorkLifeBalance

Search

- # Row Id
- # EmployeeID
- # JobInvolvement

Match selected columns

Row Id	Environmen...Isfaction	JobSatisfaction	WorkLifeBalance	EmployeeID	Row Id	EmployeeID
1	3	4	2	1	4348	4348
1	3	4	2	1	4338	4338
1	3	4	2	1	4331	4331
1	3	4	2	1	4310	4310

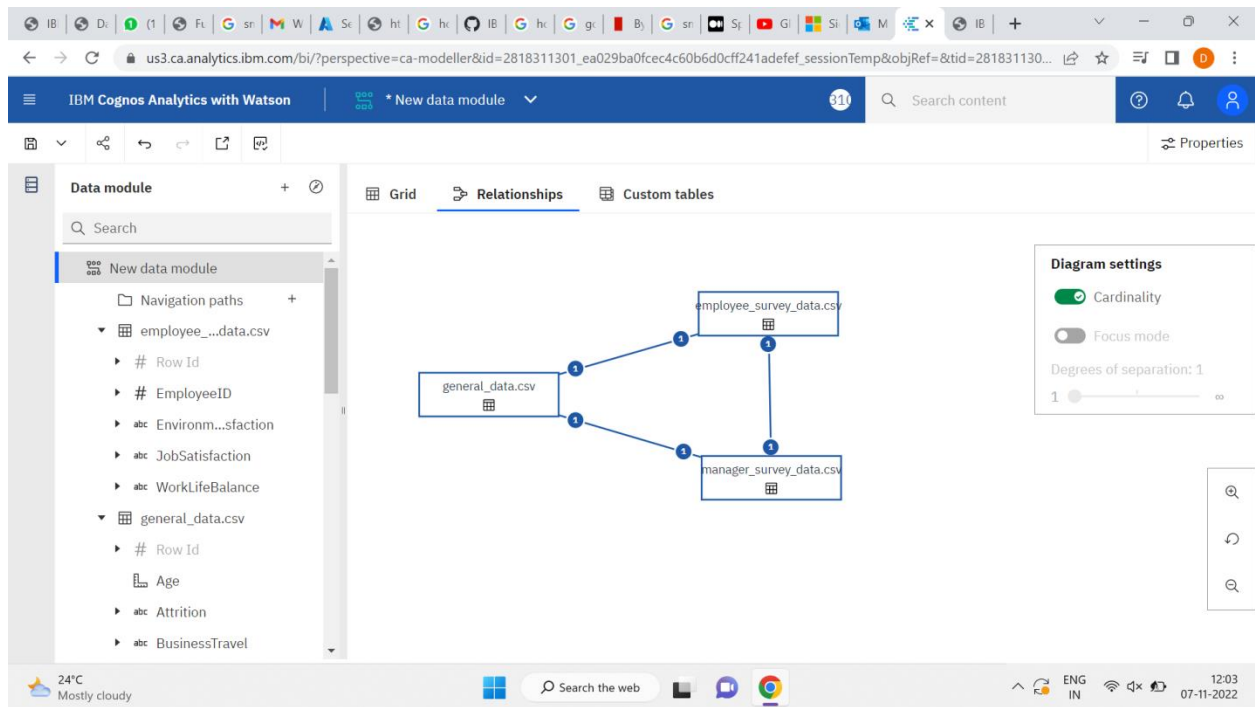
Inner join, 1-to-1

Matched columns (1)

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## Data Visualization Charts:

- Login to IBM Cognos then in open menu click **New -> Dashboard** .