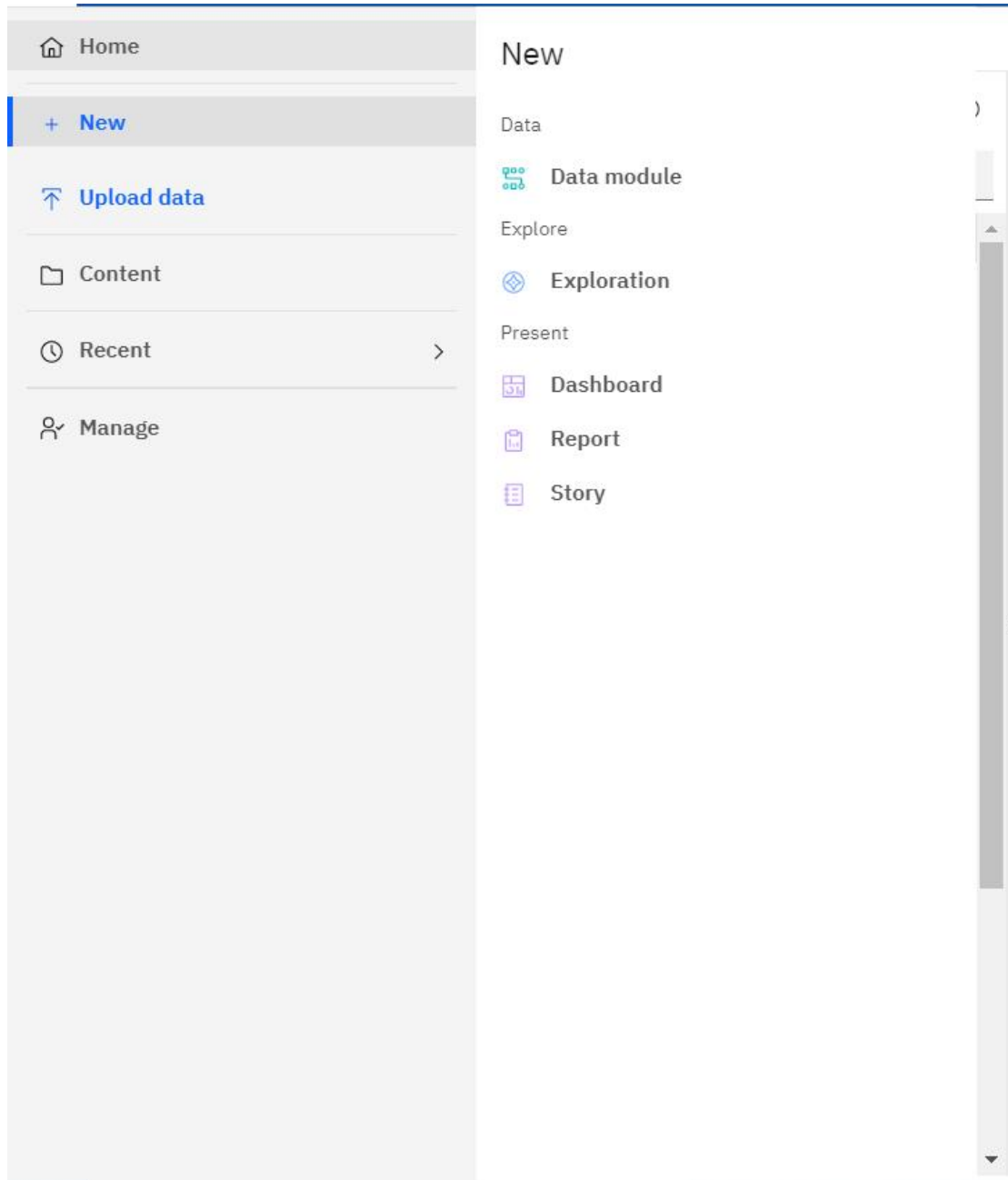
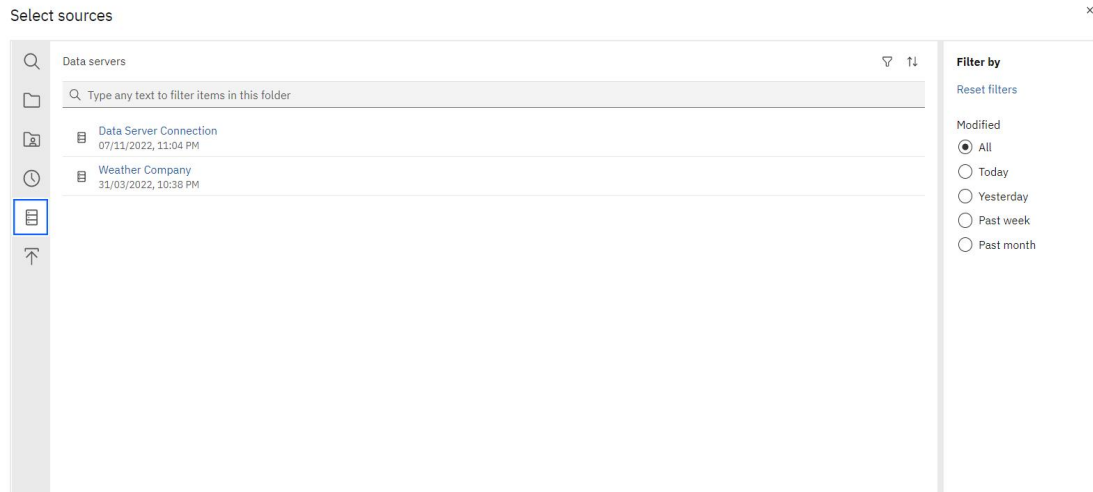


CREATE DATA MODULE

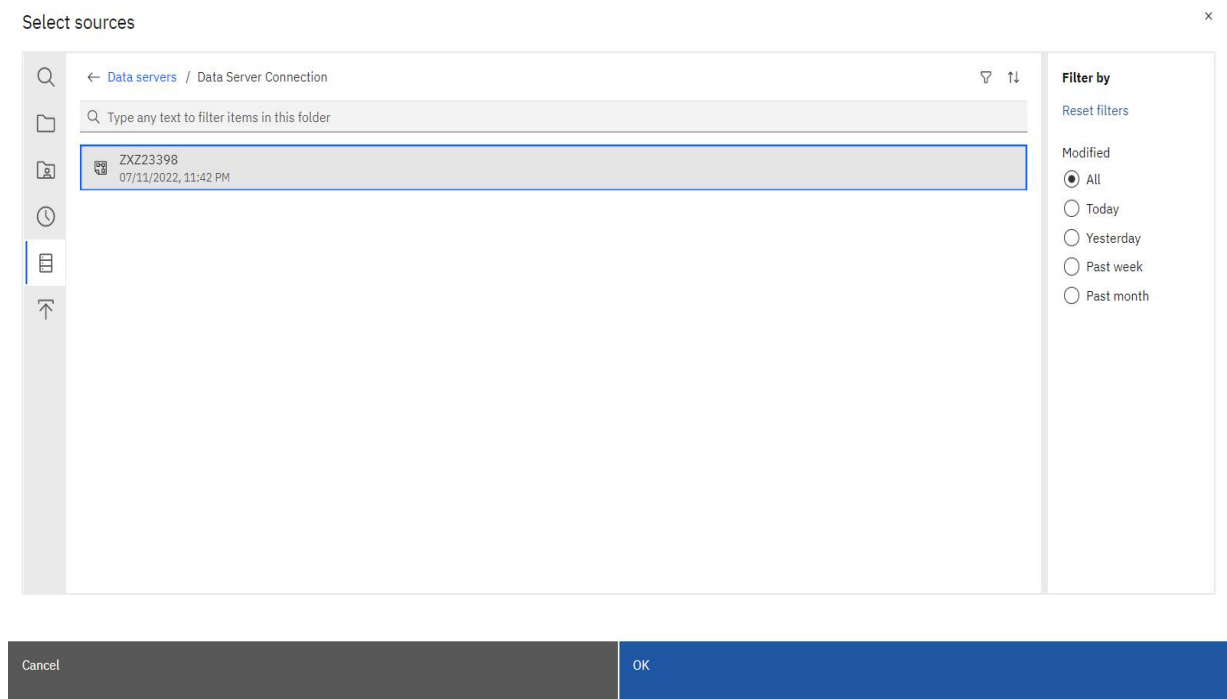
(DATA CLEANING / WRANGLING / PREPROCESSING)

1. Create New Data Module

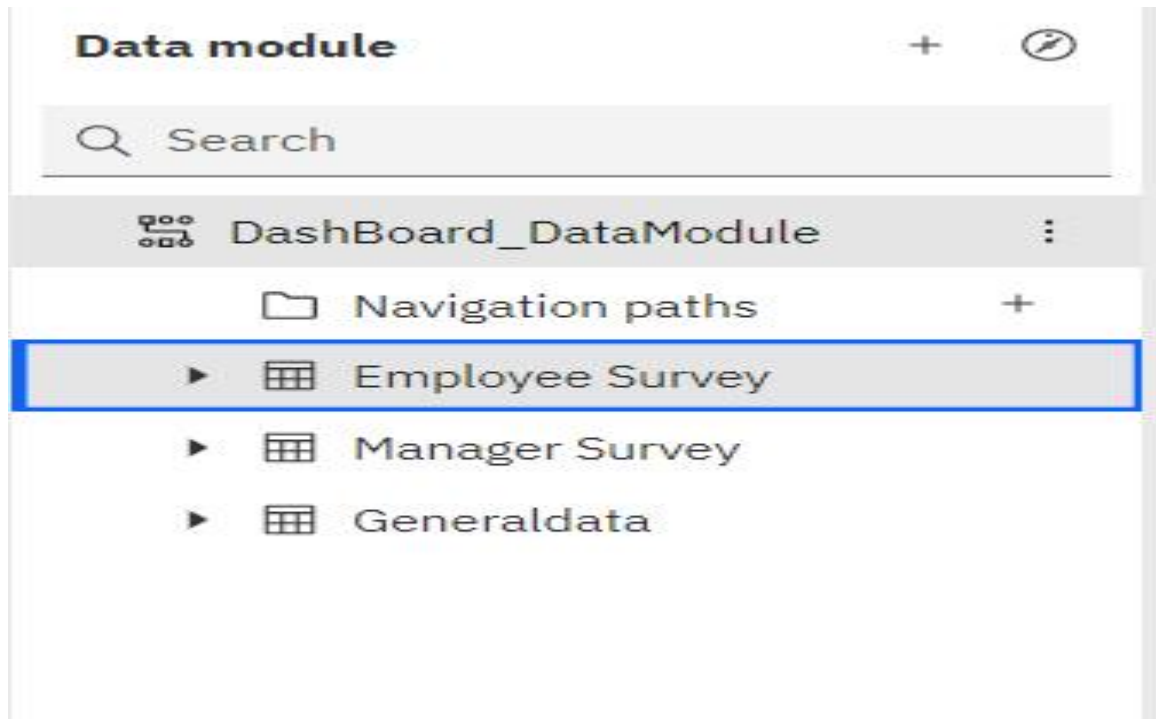




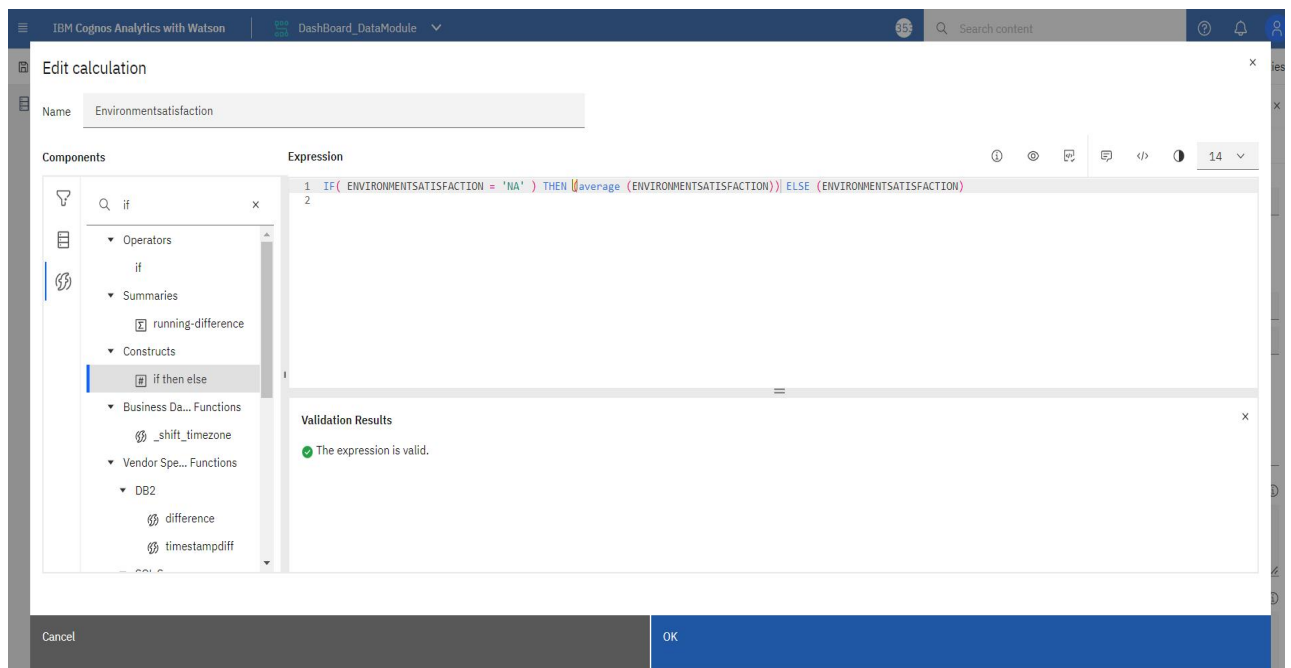
2. Select the Schema in which the IBM cloud Data has been Uploaded



3. Created Data Module



4. Data Preprocessing



5. Creating Group on Dataset

IBM Cognos Analytics with Watson | Dashboard_DataModule

Grid Relationships

↑↓ tatus Monthlyincome

	131160
	41890
	193280
	83210
	23420
	40710
	58130
	31430
	20440
	134640
	79910
	33770
	55380
	57620
	25020

Search

- # Education
- abc Educationfield
- Employeecount
- Employeeid
- abc Gender
- Joblevel
- abc Jobrole
- abc Maritalstatus
- Monthlyincome
- abc Numcom...work
- abc Over 18
- Percentsalaryh
- Standardhours
- Stockoptionlev
- abc Totalworkingye
- Trainingt...lasty
- Yearsatcompan
- Yearssin...romo
- Yearswit...mana

- Filter...
- Create data group...
- Create navigation path...
- Search for members...
- Refresh members
- Split...
- Hide from users
- Remove
- Refresh properties...
- Format data...
- Clean...
- Rename
- Cut
- Copy
- Properties

Create a data group (text style)

×

Name Totalworkingyears (Group)

Remaining items in column

Q Find

NA

Clear

Invert

0 of 1 selected

Groups

New group +

Group 00-09

Group 10-19

Group 20-29

Group 30-39



1 of 4 selected



Group items



Q Find

0

1

2

3

4

5

6

Clear

Invert

0 of 10 selected

☐ Group remaining and future items in

☐ Replace the existing column 'Totalworkingyears'

Cancel

Create

6. Delete Unwanted Field in DataSet

IBM Cognos Analytics with Watson | Dashboard_DataModule

Grid Relationships

Search

Dashboard_DataModule

- Navigation paths
- Employee Survey
- Manager Survey
- Generaldata
 - Totalwor... (Group)
 - Age
 - Attrition
 - Businesstravel
 - Department
 - Distancefromhome
 - Education
 - Educationfield
 - Employeecount**
 - Employeeid
 - Gender
 - Joblevel
 - Jobrole
 - Maritalstatus

Filter...

Create calculation...

Create data group...

Hide from users

Remove

Refresh properties...

Format data...

Clean...

Rename

Cut

Copy

Properties

it	Distancefromh
	3
nt	2
nt	29
ources	8
nt	10
nt	11



Q Search

L Age

► abc Attrition

► abc Businessstravel

► abc Department


 Distancefromhome

- ▶ # Education

► abc Educationfield

Employeeid

► abc Gender

 Joblevel

► abc Jobrole

► abc Maritalstatus

L Monthlyincome

▶ abc Numcom...worked

▼ abc Over 18

$$= Y$$


L Percentsalaryhike

 Standardhours

Stockoptionlevel

the Totalworkingarea

Filter...


 Create data group...

📍 Create navigation path...

🔍 Search for members...


↻ Refresh members

Split...

 Hide from users

⊖ Remove

🔄 Refresh properties...

 Format data... Clean...

 Rename

✂ Cut

Copy

 Properties

7. Define Relationship Between the Table

Create relationship

Table 1
Generaldata

Table 2
Employee Survey

Search

Employeeid
Attrition
Businesstravel
Department
Education

Search

Employeeid
Environmentsatisfaction
Jobsatisfaction
Worklifebalance

Match selected columns

	Stockoptionlevel	Totalworkingyears	Trainingtimeslastyear	Yearsatcompany	Yearssinc...promotion	Yearswith...rrmanager	Employeeid	Employeeid
	1	16	2	13	1	12	102	
	0	1	6	1	0	0	1	
	1	6	3	5	1	4	2	
	3	5	2	5	0	3	3	

Inner join, 1-to-1
No filtering

Matched columns (1)

Create relationship

Table 1
Generaldata

Table 2
Manager Survey

Search

Employeeid
Attrition
Businesstravel
Department
Education

Search

Employeeid

Match selected columns

	Stockoptionlevel	Totalworkingyears	Trainingtimeslastyear	Yearsatcompany	Yearssinc...promotion	Yearswith...rrmanager	Employeeid	Employeeid
	1	16	2	13	1	12	102	
	0	1	6	1	0	0	1	
	1	6	3	5	1	4	2	
	3	5	2	5	0	3	3	

Inner join, 1-to-1
No filtering

Matched columns (1)

Create relationship

x

Table 1

Employee Survey

Table 2

Manager Survey

Employeeid

1

2

3

4

Search

Employeeid

Environment satisfaction

Jobsatisfaction

Worklifebalance

Employeeid

1

2

3

4

Search

Employeeid

Match selected columns

Environmen...sfaction	Jobsatisfaction	Worklifebalance	Employeeid	Jobinvolvement	Performancerating
4	3	3	682	3	3
3	4	2	1	3	3
3	2	4	2	2	4
2	2	1	3	3	3
4	4	3	4	2	3

Inner join, 1-to-many

No filtering

Matched columns (1)

