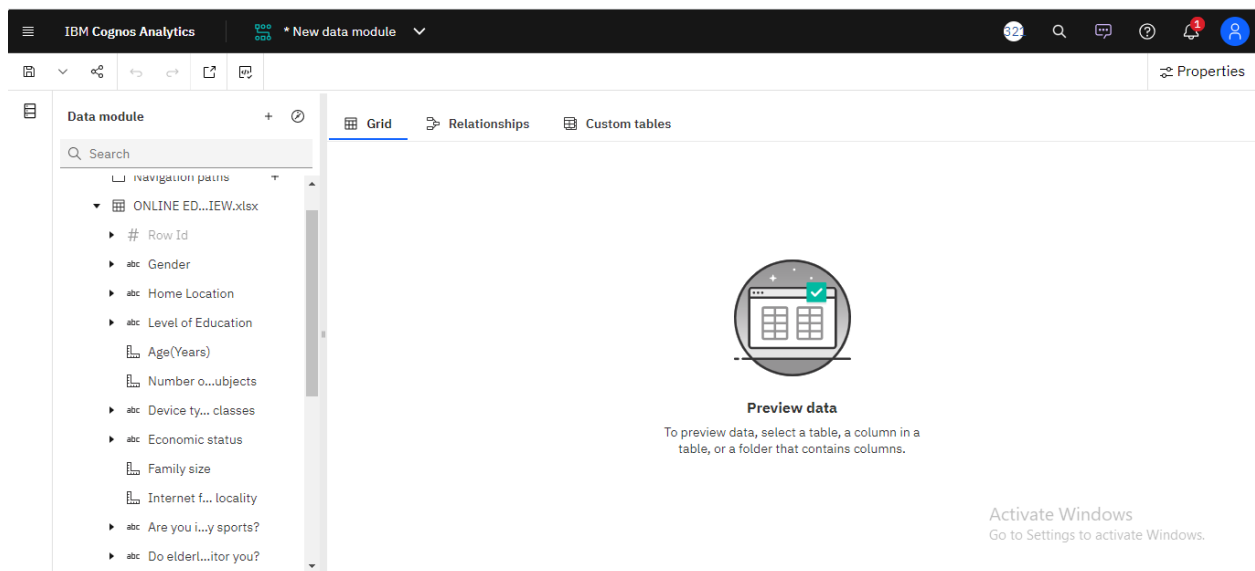
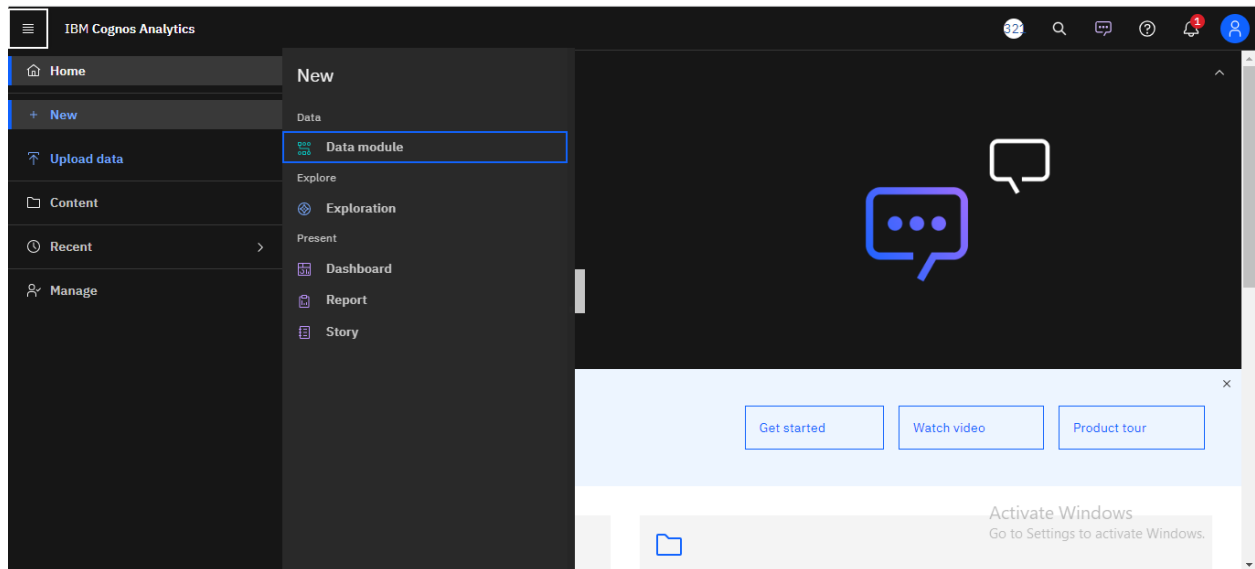


# “Unveiling the Virtual Classroom: An In-depth Analysis of the Online Education System”

## OUTPUT SCREENSHOTS

### DATA MODULE:



IBM Cognos Analytics

Content

Maintenance: Cognos Analytics

### Add a data source to explore

My content Team content

Name	Type	Last Accessed
ONLINE EDUCATION SYSTEM REVIEW.xlsx	Uploaded file	9/10/2023, 1:46 AM
Sample-Superstore.xls	Uploaded file	7/26/2023, 8:47 AM
Superstore datamodule	Data module	7/26/2023, 9:41 AM

Cancel Add

Activate Windows  
Go to Settings to activate Windows.

<https://us1.ca.analytics.ibm.com/bi/?perspective=content&tab=myContent&folder=if3A705380ADD486D93E52B9F81838111#>

IBM Cognos Analytics

\* New data module

Grid Relationships Custom tables

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

Home Location	Level of Education	Age(Years)	Number of Subjects	Device type...nd classes
Urban	Under Graduate	18	11	Laptop
Urban	Under Graduate	19	7	Laptop
Urban	Under Graduate	18	5	Laptop
Urban	Under Graduate	18	5	Laptop
Urban	Under Graduate	18	5	Laptop
Urban	Under Graduate	18	5	Laptop
Urban	Under Graduate	19	5	Laptop
Urban	Under Graduate	17	4	Laptop
Urban	Under Graduate	19	5	Laptop
Urban	Under Graduate	20	9	Laptop

Activate Windows  
Go to Settings to activate Windows.

## DATA PREPARATION

IBM Cognos Analytics interface showing a data module with columns: Age(Years), Number of Subjects, Dev\_for\_class, and Economic status. The Dev\_for\_class column is selected, and its properties are shown on the right.

Age(Years)	Number of Subjects	Dev_for_class	Economic status
18	11	Laptop	M
19	7	Laptop	M
18	5	Laptop	M
18	5	Laptop	M
18	5	Laptop	M
18	5	Laptop	M
19	5	Laptop	M
17	4	Laptop	M
19	5	Laptop	M
20	9	Laptop	M

Properties panel for Dev\_for\_class:

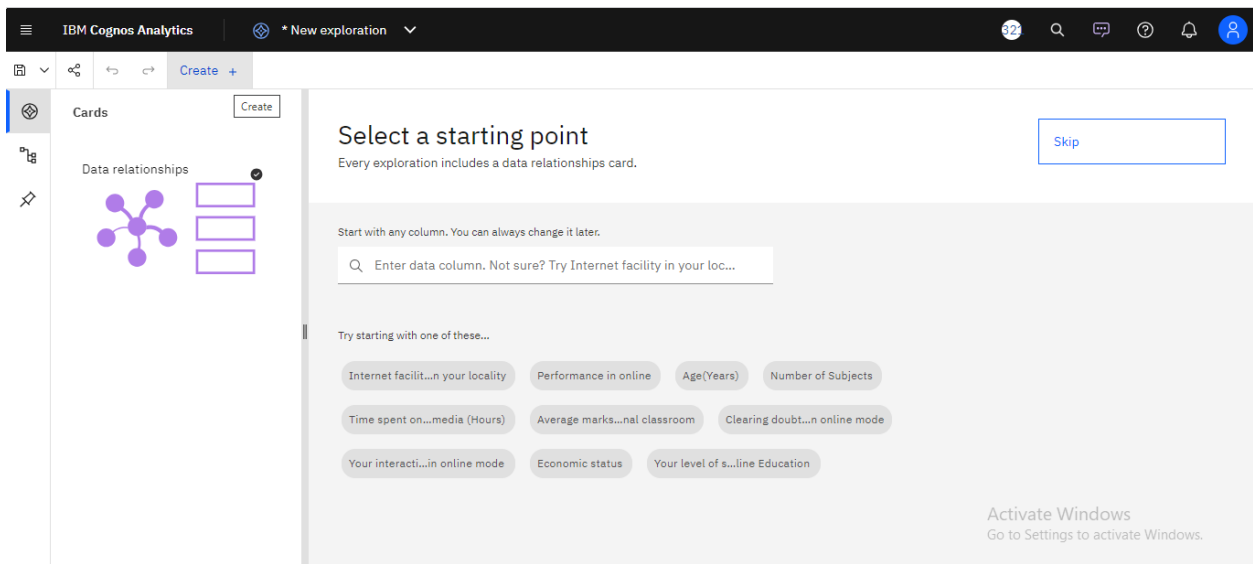
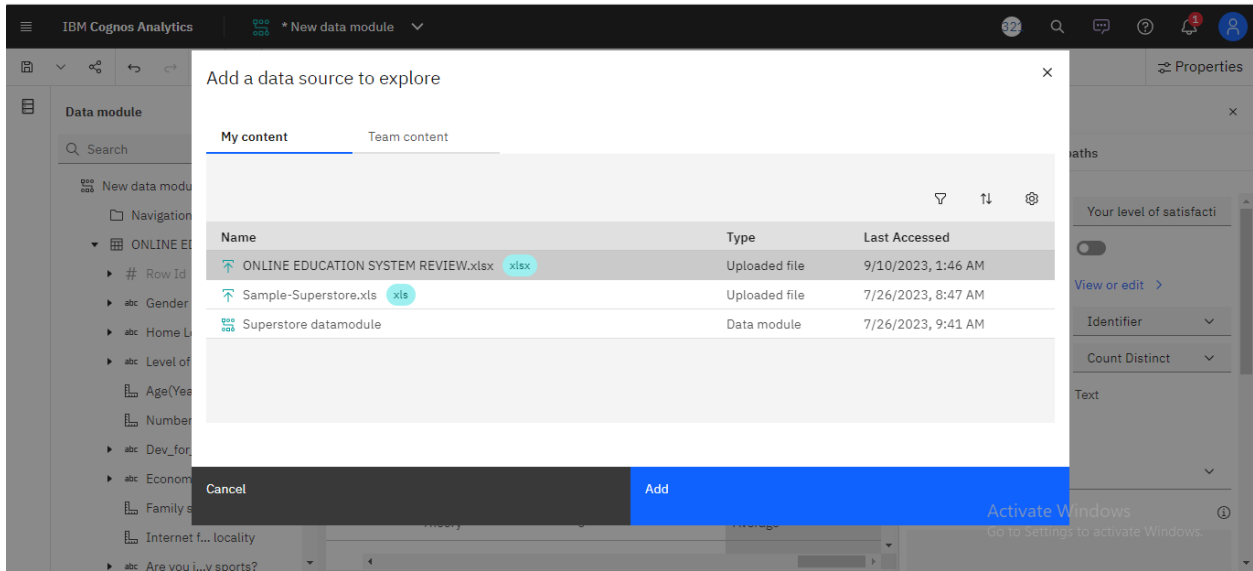
- Label: Dev\_for\_class
- Hide from users: ☐
- Expression: [View or edit](#)
- Usage: Identifier
- Aggregate: Count Distinct
- Data type: Text
- Represents: ☐
- Default: ☐
- Description: Activate Windows. Go to Settings to activate Windows.

IBM Cognos Analytics interface showing a data module with columns: Study time (Hours), Sleep time (Hours), Time spent ...dia, and other columns. The Study time (Hours) column is selected, and its properties are shown on the right.

Study time (Hours)	Sleep time (Hours)	Time spent ...dia
3	6	1
7	5	1
6	7	1
3	6	2
8	7	2
3	6	2
2	6	3
4	8	6
6	6	2
4	7	2

Properties panel for Study time (Hours):

- Label: Study time (Hours)
- Hide from users: ☐
- Expression: [View or edit](#)
- Usage: Identifier
- Aggregate: Count Distinct
- Data type: Text
- Represents: ☐
- Time: ☐
- Hour: ☐
- Description: Activate Windows. Go to Settings to activate Windows.



## DATA VISUALIZATIONS

IBM Cognos Analytics | \* New exploration

Analytics | Details | Fields | Properties

**Cards**

1

Create a visualization  
Drag and drop fields  
or choose visualization type

Choose a type

**Fields**

No visualization created  
Create a visualization to manage the field settings.

Activate Windows  
Go to Settings to activate Windows.

IBM Cognos Analytics | \* New exploration

Analytics | Details | Fields | Properties

**Selected sources /**

ONLINE EDUCATION SYS... + :

Search

- Study t...(Hours)
- Sleep t...(Hours)
- Time sp...(Hours)
- Interes...aming?
- Have se...dying?
- Engage...udies?
- Averag...ssroom
- Your in...e mode
- Clearin...e mode
- Interested in?
- Perform... online
- Your le...ucation

**Home Location, Economic status and Performance in online**

Economic status	Home Location	Performance in online
Middle Class	Rural	6.722
	Urban	6.68
Summary		6.694
Poor	Rural	6.486
	Urban	6.071
Summary		6.367
Rich	Rural	9
	Urban	7.111
Summary		7.3
Summary		6.696

**Fields**

**Columns\*** Required field

- Economic status
- Home Location
- Performance in online

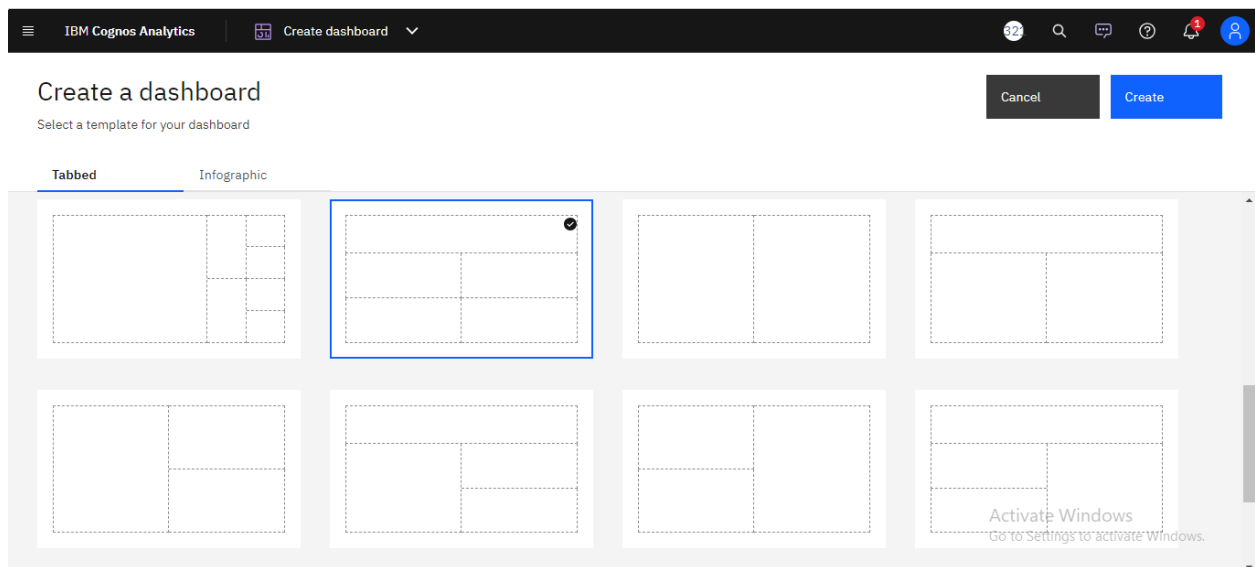
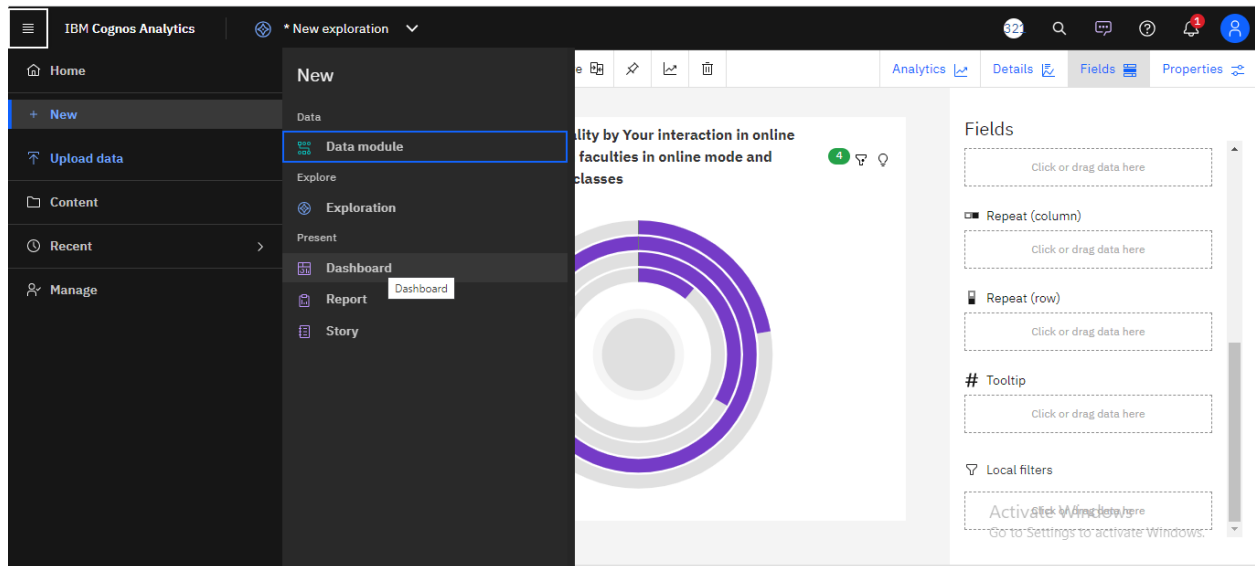
Click or drag data here

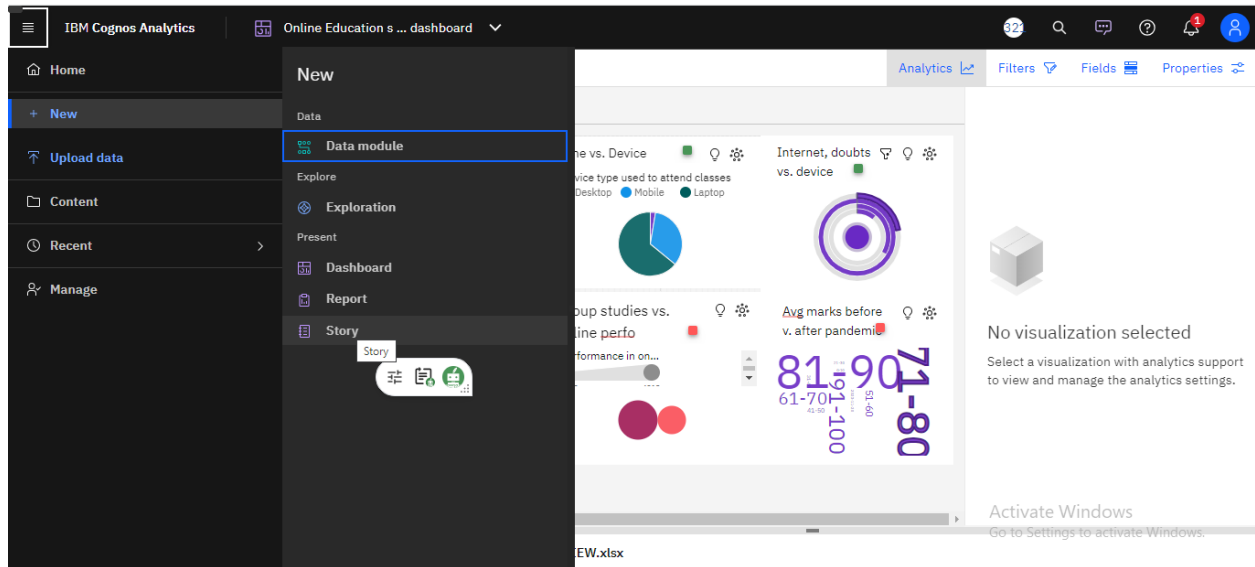
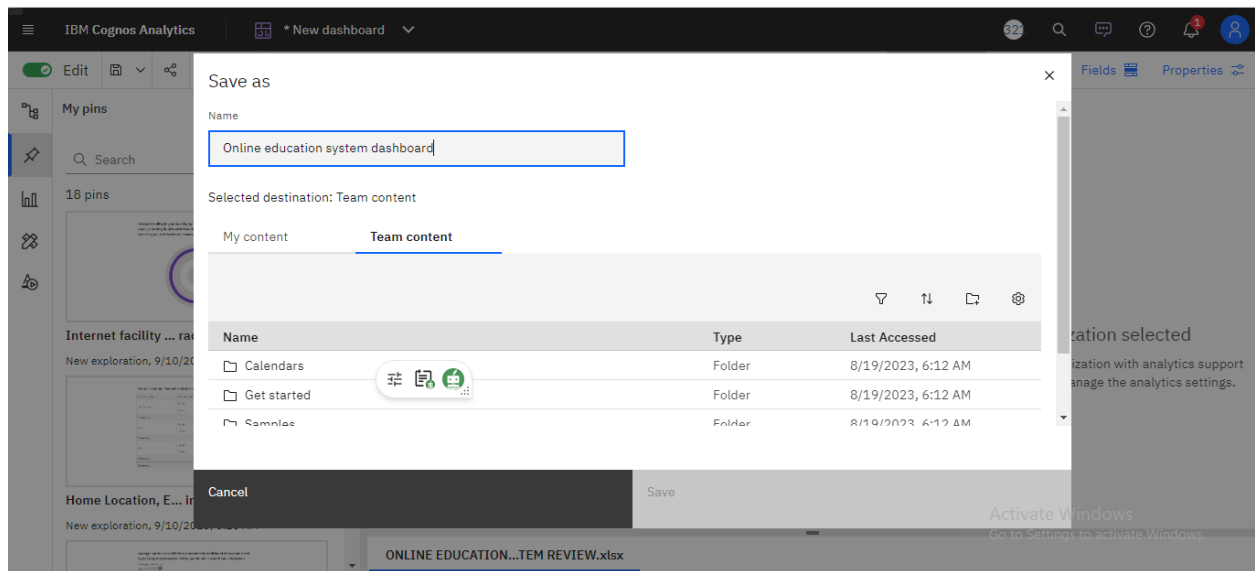
**Local filters**

Click or drag data here

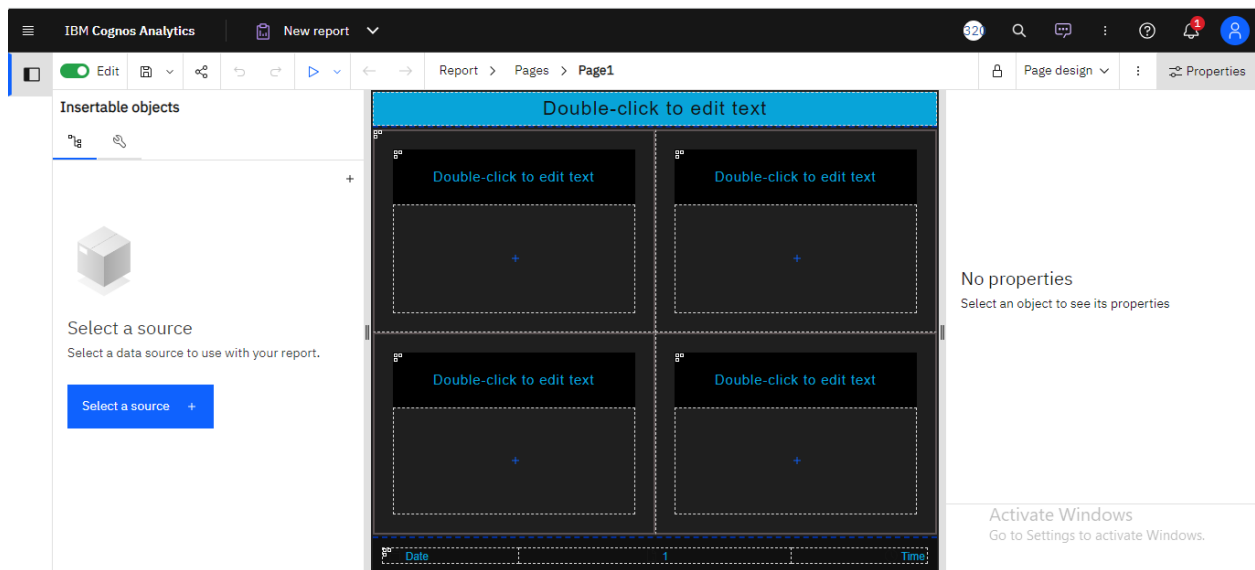
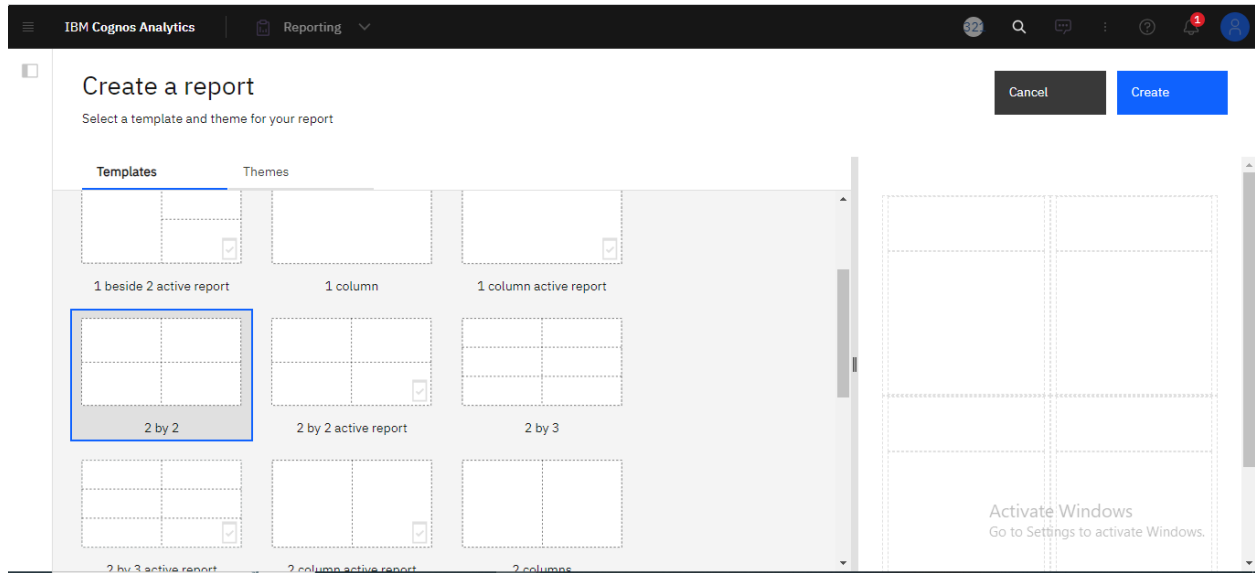
Activate Windows  
Go to Settings to activate Windows.

## DASHBOARDS

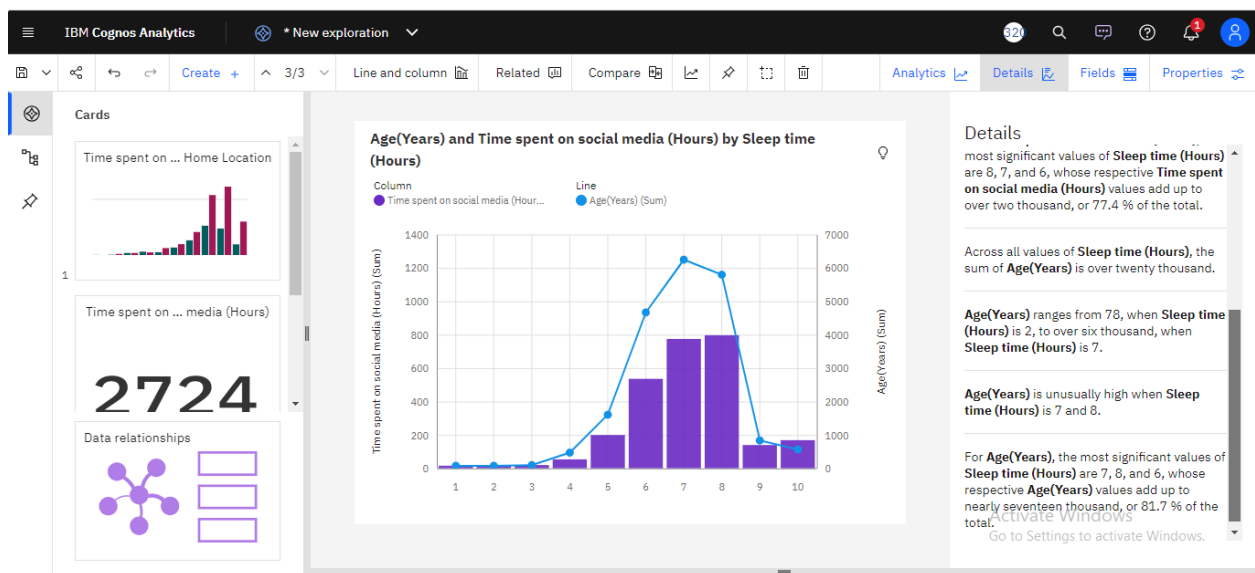
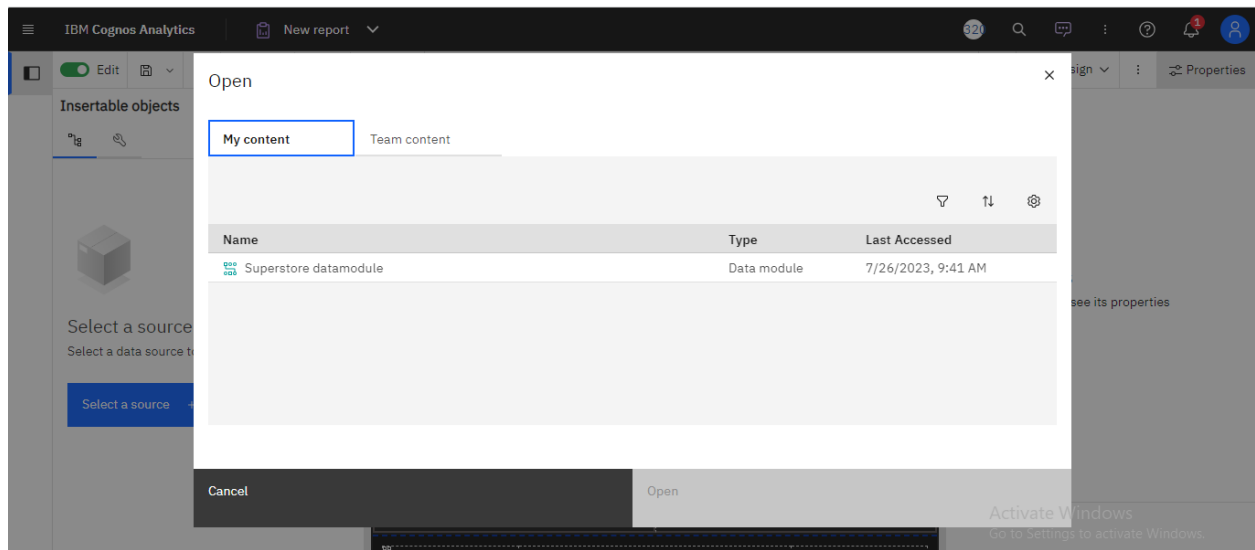




## REPORT







REPORTS

PERFORMANCE TESTING

