

ARJUN COLLEGE OF TECHNOLOGY  
**ASSIGNMENT – 2**  
NAAN MUDHALVAN

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REG NO: 723920104022



My IBM | New data module | Technical Training Session Data | Post Attendee - Zoom

us3.ca.analytics.ibm.com/bi/?perspective=ca-model&id=2519307625\_64dc168efb1f47bd... | 30 | Search | Chat | Help | Profile

IBM Cognos Analytics | New data module

Initializing file upload... Cancel Details

Grid Relationships Custom tables

Diagram settings

- Cardinality
- Focus mode
- Degrees of separation: 1

Properties

Data module

Search

New data module

- Navigation paths
- HRDataset\_v14.csv
  - # Row Id
  - # Employee\_Name
  - # EmpID
  - # MarriedID
  - # MaritalStatusID
  - # GenderID
  - # EmpStatusID
  - # DeptID
  - # PerfScoreID
  - # FromDive...hFairID
  - Salary
  - Termid
  - # PositionID
  - # Position

Loading data...

Type here to search | 09:33 04-10-2023

My IBM | New data module | Technical Training Session Data | Post Attendee - Zoom

us3.ca.analytics.ibm.com/bi/?perspective=ca-model&id=2519307625\_64dc168efb1f47bd... | 30 | Search | Chat | Help | Profile

IBM Cognos Analytics | New data module

Analyzing HRDataset\_v14.csv Cancel Details

Grid Relationships Custom tables

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New data module

- Navigation paths
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  - # FromDive...hFairID
  - Salary
  - Termid
  - # PositionID
  - # Position

Loading data...

Type here to search | 09:33 04-10-2023

IBM Cognos Analytics | New data module

### Create table

Create a custom table in the data module. This table is not added to your data source.

All tables

Search

- ☒ HRDataset\_v14.csv
- # RowID
- # Employee\_Name
- # EmpID
- # MarriedID
- # MaritalStatusID
- # GenderID
- # EmpStatusID
- # DeptID
- # PerfScoreID
- # FromDiversityJobFairID
- Salary
- TermID
- # PositionID
- Position
- State

☒ View of tables  
To create a view of a table, select one or more package tables, or select one or more non-package tables.

☐ Shortcut to a table  
To create a shortcut table, select one non-package table.

☐ Alias of a table  
To create an alias table, select one non-package table.

☐ Copy of a table  
To create a copy of a table, select one non-package table.

☐ Joined view  
To create a join table, select two non-package tables.

☐ Union of tables  
To create a union table, select two or more non-package tables that have the same number of columns with compatible data types.

☐ Intersect of tables  
To create an intersect table, select two non-package tables that have the same number of columns with compatible data types.

☐ Except of tables  
To create an except table, select two non-package tables that have the same number of columns with compatible data types.

Type here to search

09:35 04-10-2023

IBM Cognos Analytics | New data module

### Create a view of tables

Select items to be included in the table.

Table name: HRDataset\_v14.csv - View (1)

Reference tables

Search

- ☒ HRDataset\_v14.csv
- # RowID
- # Employee\_Name
- # EmpID
- # MarriedID
- # MaritalStatusID
- # GenderID
- # EmpStatusID
- # DeptID
- # PerfScoreID
- # FromDiversityJobFairID
- Salary
- TermID
- # PositionID

Employee_Name	EmpID	MarriedID	MaritalStatusID	GenderID	EmpStatusID	DeptID
Adinolfi, Wilson K	10026	0	0	1	1	
Alt Sidi, Karthikeyan	10084	1	1	1	5	
Akinkuolie, Sarah	10196	1	1	0	5	
Alagbe, Trina	10088	1	1	0	1	
Anderson, Carol	10069	0	2	0	5	
Anderson, Linda	10002	0	0	0	1	
Andreola, Colby	10194	0	0	0	1	
Athwal, Sam	10062	0	4	1	1	
Bachiochi, Linda	10114	0	0	0	3	
Bacong, Alejandro	10250	0	2	1	1	
Baczinski, Rachael	10252	1	1	0	5	
Barbara, Thomas	10242	1	1	1	5	

Type here to search

09:35 04-10-2023

IBM Cognos Analytics

### Create a view of tables

Select items to be included in the table.

Table name: HRDataset\_v14.csv - View (1)

Reference tables	Employee_Name	EmpID	MarriedID	MaritalStatusID	GenderID	EmpStatusID
HRDataset_v14.csv	Adinolfi, Wilson K	10026	0	0	1	1
# Row ID	Alt Sidi, Karthikeyan	10084	1	1	1	5
Employee_Name	Akinkuolie, Sarah	10196	1	1	0	5
# EmpID	Alagbe, Trina	10088	1	1	0	1
# MarriedID	Anderson, Carol	10069	0	2	0	5
# MaritalStatusID	Anderson, Linda	10002	0	0	0	1
# GenderID	Andreola, Colby	10194	0	0	0	1
# EmpStatusID	Athwal, Sam	10062	0	4	1	1
# DeptID	Bachiochi, Linda	10114	0	0	0	3
# PerfScoreID	Bacong, Alejandro	10250	0	2	1	1
# FromDiver...JobFairID	Baczinski, Rachael	10252	1	1	0	5
Salary	Barbara, Thomas	10242	1	1	1	5
TermID						
# PositionID						

IBM Cognos Analytics

### Data module

Grid Relationships Custom tables

HRDataset\_v14.csv - View (1)

HRDataset\_v14.csv

HRDataset\_v14.csv - View (1)



IBM Cognos Analytics interface showing the "Add a data source to explore" dialog. The dialog lists available data sources under "My content":

Name	Type	Last Modified
ass 1 data module	Data module	10/3/2023, 12:38 PM
assignment2 data module	Data module	10/3/2023, 11:06 PM
HRDataset_v14.csv	Uploaded file	10/3/2023, 11:03 PM
market sales data module	Data module	10/3/2023, 11:45 AM
supermarket_sales - Sheet1.csv	Uploaded file	10/3/2023, 11:36 AM

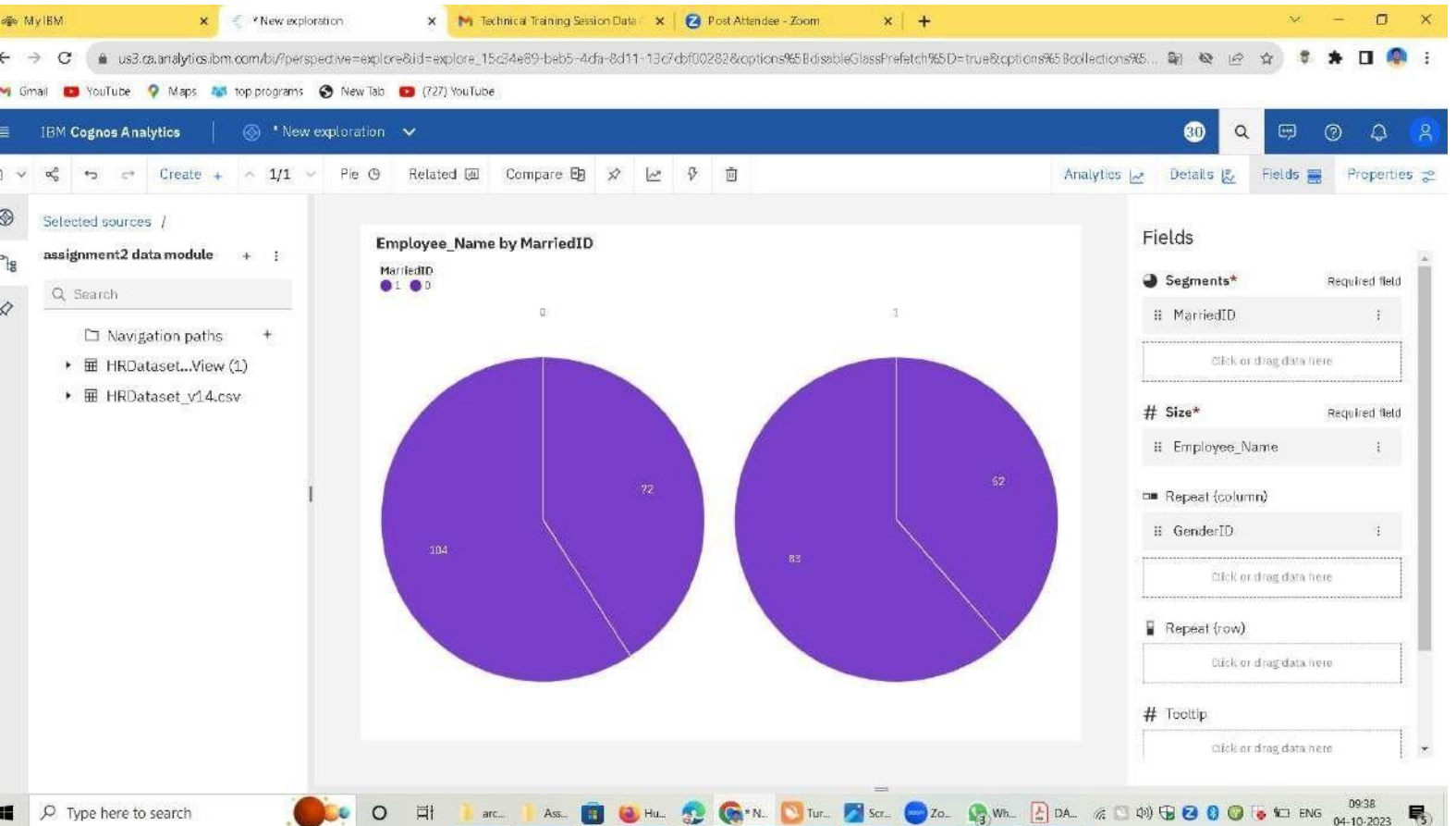
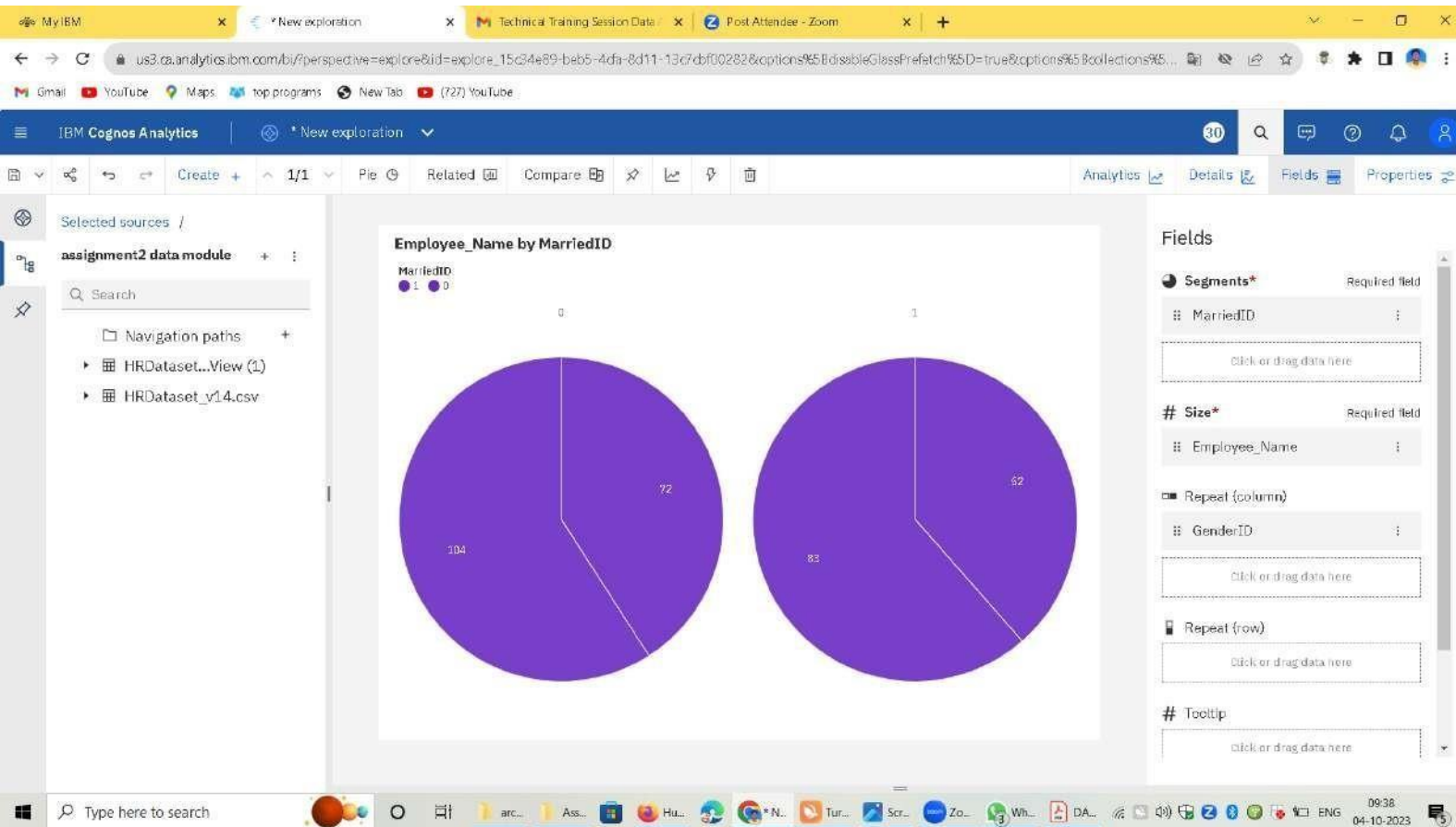
The background shows a list of data fields for "HRDataset\_v14.csv":

- # Row Id
- Employee\_Name
- # EmpID
- # MarriedID
- # MaritalStatusID
- # GenderID
- # EmpStatusID
- # DeptID
- # PerfScoreID
- # FromDrive...bFairID
- Salary
- TermID
- # PositionID
- Position
- State

IBM Cognos Analytics interface showing the "Explore data relationships" view. The central diagram illustrates the relationships between data fields, with "Salary" as the central node connected to various other fields:

- SpecialProjectsCount
- PositionID
- Department
- DeptID
- DateofHire
- Position
- ManagerID
- Manager Name
- State

The right sidebar shows the "Select a visualization" panel, displaying a list of visualizations related to "Salary". The first visualization is "Salary", which is currently showing an error: "Error: Script error for \*com.ibm.vizbundles/rave2cor".



My IBM | New dashboard | Technical Training Session Data | Post Attendee - Zoom

us3.ca.analytics.ibm.com/bi/?perspective=dashboard&ud=dashboard\_dcb74f49-6540-47af-989f-b7c0ab7d233e&ul\_appbar=true&options%5BdisableGlassPrefetch%5D=true&co...

IBM Cognos Analytics | New dashboard

30

Edit

Analytics | Filters | Fields | Properties

Selected sources /

assignment2 data module

Navigation paths

- HRDataset\_v1...v - View (1)
- HRDataset\_v14.csv

Tab 1 | Tab 2

Employee\_Name

00

No visualization selected

Select a visualization to manage the field settings.

Type here to search

arch... Assi... N... Tur... Scr... Zoo... Wh... DA... ENG 09:47 04-10-2023

My IBM | New dashboard | Technical Training Session Data | Post Attendee - Zoom

us3.ca.analytics.ibm.com/bi/?perspective=dashboard&ud=dashboard\_dcb74f49-6540-47af-989f-b7c0ab7d233e&ul\_appbar=true&options%5BdisableGlassPrefetch%5D=true&co...

IBM Cognos Analytics | New dashboard

30

Edit

Analytics | Filters | Fields | Properties

Selected sources /

assignment2 data module

Navigation paths

- HRDataset\_v1...v - View (1)
- HRDataset\_v14.csv

Tab 1 | Tab 2

Employee\_Name

00

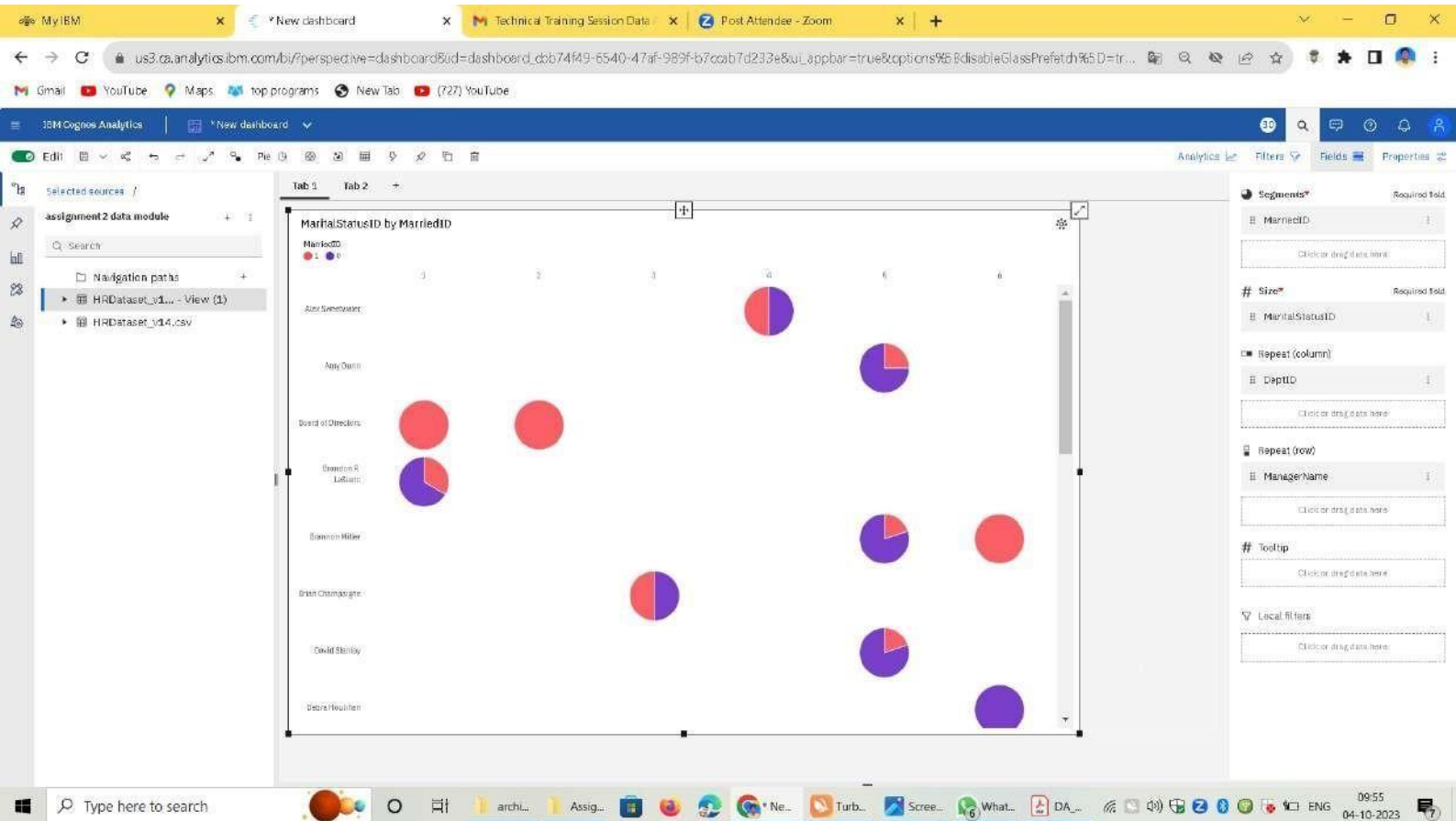
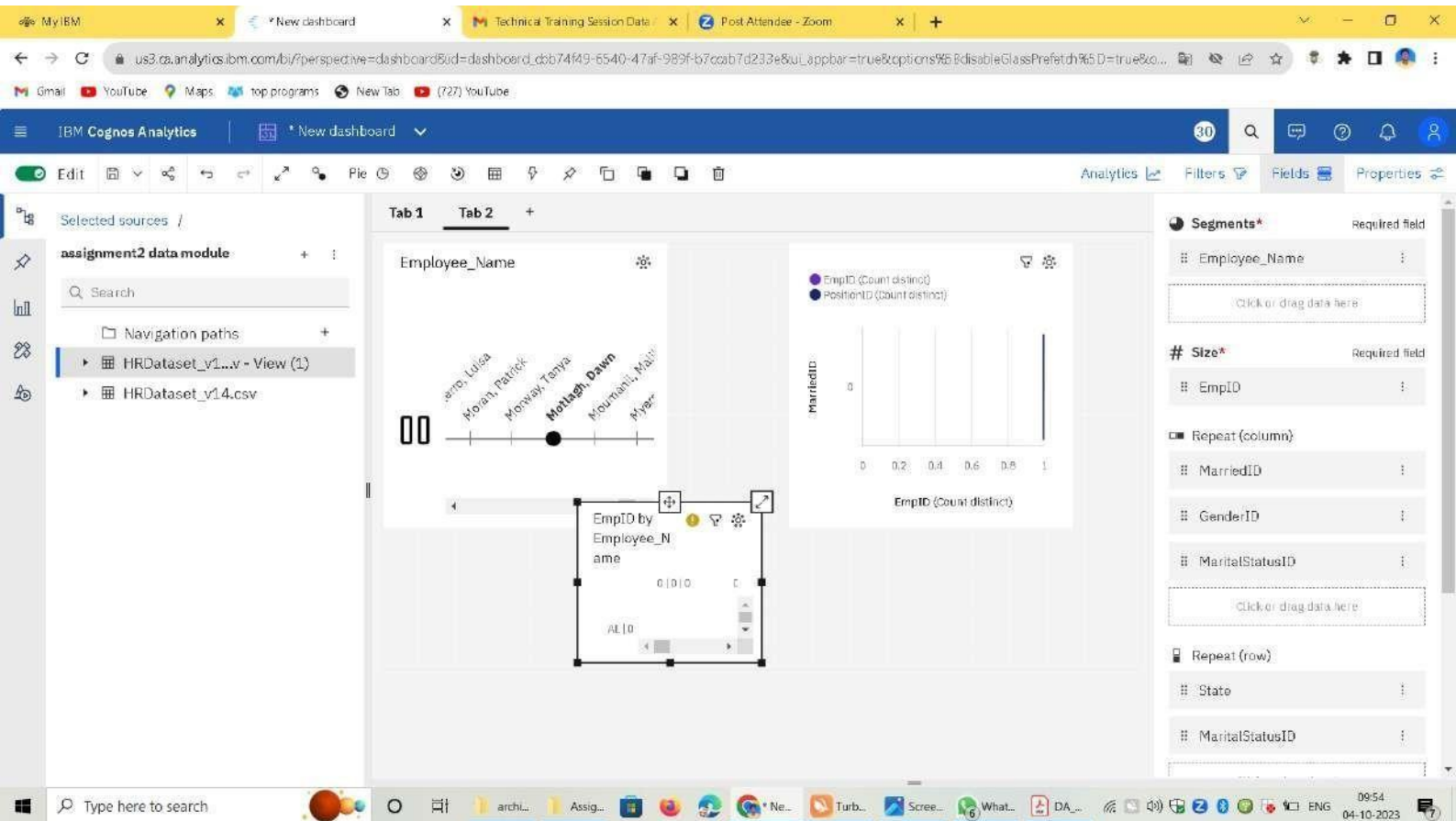
No visualization selected

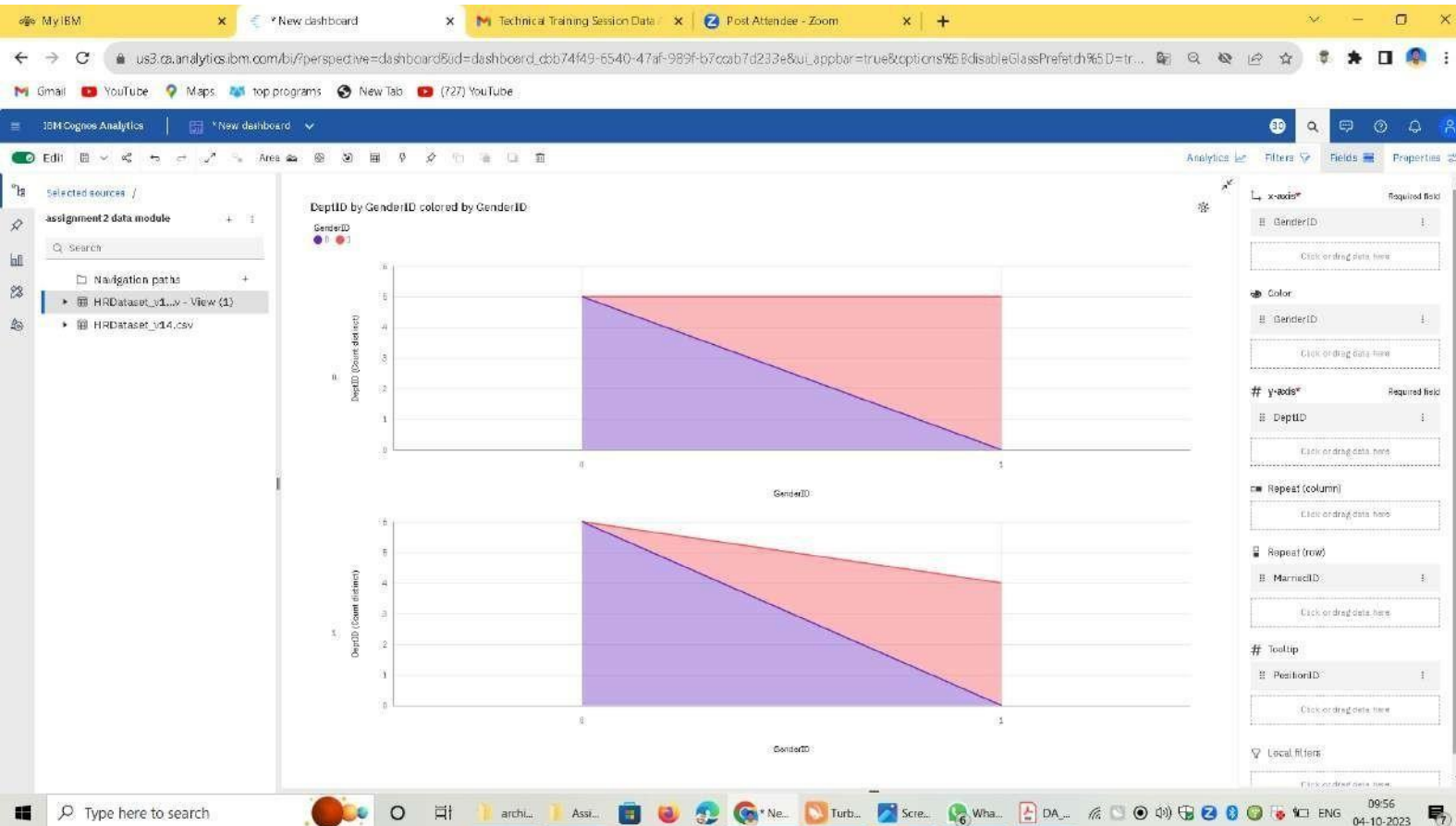
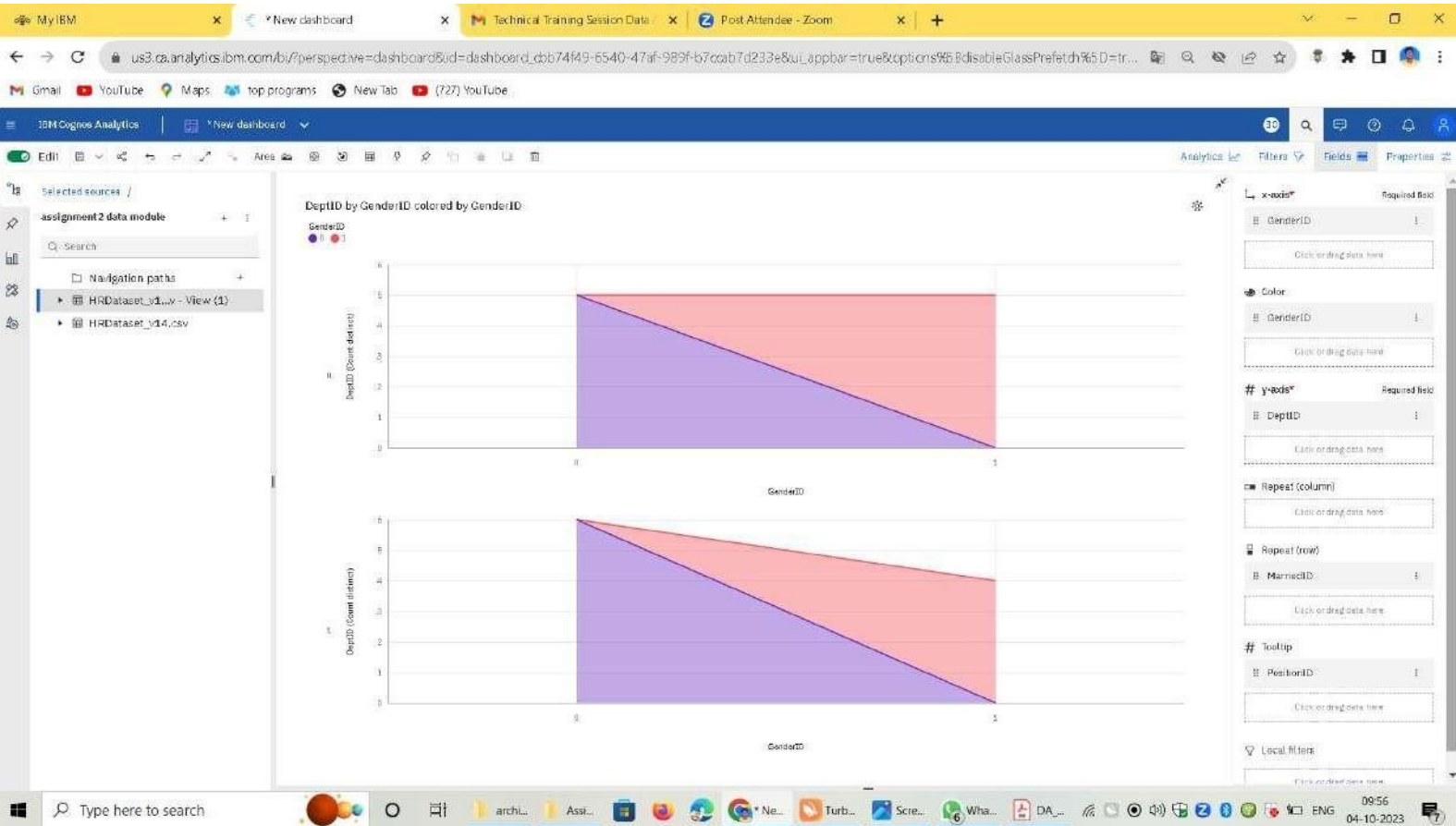
Select a visualization to manage the field settings.

Type here to search

arch... Assi... N... Tur... Scr... Zoo... Wh... DA... ENG 09:47 04-10-2023







IBM Cognos Analytics interface showing a report design workspace. The left pane lists insertable objects: Text item, Block, Table, List, Crosstab, and Visualization. The main workspace displays a report structure with two columns. The right pane shows properties for a Table object, including Conditional styles, General, Interactive behavior, Box, Color & background, and Font & text.

Google Colab interface showing a Jupyter Notebook. The code cell contains the following Python code:

```
plt.figure(figsize=(8,8))
plt.pie(sizes, labels=labels, autopct='%1.1f%%', startangle=140)
plt.title('sample pie chart')
Text(0.5, 1.0, 'sample pie chart')
```

The output displays a pie chart titled "sample pie chart" with four categories: Category A (16.9%), Category B (33.7%), Category C (38.2%), and Category D (11.2%). The right pane shows a table titled "House Price India.csv" with columns: id, Date, number of bedrooms, and number of bathrooms. The table displays 10 entries out of 14620.

id	Date	number of bedrooms	number of bathrooms
6762810145	4/24/91	5	2.5
6762810635	4/24/91	4	2.5
6762810898	4/24/91	5	2.75
6762812605	4/24/91	4	2.5
6762812919	4/24/91	3	2
6762813105	4/24/91	3	2.5
6762813157	4/24/91	5	3.25
6762813599	4/24/91	3	1.75
6762813600	4/24/91	3	2.5
6762814461	4/24/91	4	2.25

My IBM

New story

New report

Technical Training Session

Data Analytics Session 4

Untitled4.ipynb - Colaboratory

colab.research.google.com/drive/13oU07TPPh3DO7ryYK8bqpENFXKdP9fY5?authuser=0#scrollTo=0R253h7LSA6Q

GmailYouTubeMapsTop programsNew Tab(727) YouTube

Untitled4.ipynb

FileEditViewInsertRuntimeToolsHelpAll changes saved

CommentShare

Files

sample\_dataHouse Price India.csv

CategoryB

```
[9]

plt.axis('equal')
plt.show()
```

House Price India.csv

1 to 10 of 14620 entries

id	Date	number of bedrooms	number of bathrooms
6762810145	4/24/91	5	2.5
6762810635	4/24/91	4	2.5
6762810898	4/24/91	5	2.75
6762812605	4/24/91	4	2.5
6762812919	4/24/91	3	2
6762813105	4/24/91	3	2.5
6762813157	4/24/91	5	3.25
6762813599	4/24/91	3	1.75
6762813600	4/24/91	3	2.5
6762814461	4/24/91	4	2.25

Show 10 per page

12101001000140014601462

completed at 11:33 AM

Type here to search

arch... arch... Hou... Unti... Turb... Scre... Wha... AI A... ENG

11:33 04-10-2023