

ARJUN COLLEGE OF TECHNOLOGY  
ASSIGNMENT – 2  
NAAN MUDHALVAN

NAME: BATHALA PRAVEEN  
REG NO:723920104009

My IBMHome

https://us1.ca.analytics.ibm.com/bi/?perspective=home

Import favoritesAmazon.co.uk - Onl...AgodaExpress VPNMcAfee SecurityLastPass password...YouTubeMaps

IBM Cognos Analytics

36°

Maintenance: Scheduled Secure Gateway maintenance on October 4th, 2023. Click More Info for details and to subscribe to future events

BATHALA PRAVEEN (dbb...praveenb8074@gmail.comProfile and settings

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IBM Cognos Analytics Mobile

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# Get quick answers with the Assistant

Ask the Assistant a question in your own words to uncover insights about your data.

Ask a question



Introduction to Cognos Analytics

Leverage self-service analytics to make more confident decisions.

Get started

Watch videos

Product tour

Upload data and start creating content

Create content from existing data

Tomorrow's highNear record

Search

ENG IN

21:2804-10-2023

My IBMNew data moduleTechnical Training Session DataPost Attendee - Zoom

us3.ca.analytics.ibm.com/bi/?perspective=ca-modeler&id=2519307625\_64dc168efa1f47bd...sessionTemp&objRef=8&id=2519307625\_64dc168efa1f47bd...

GmailYouTubeMapsTop programsNew Tab(7/27) YouTube

IBM Cognos AnalyticsNew data module

Initializing file upload...CancelDetails

Data module

Search

New data module

Navigation paths

HRDataset\_v14.csv

# Row ID

# Employee\_Name

# EmpID

# MarriedID

# MaritalStatusID

# GenderID

# EmpStatusID

# DeptID

# PerfScoreID

# PromotionEventFairID

Salary

TermID

# PositionID

Position

Grid

Relationships

Custom tables

Loading data...

Diagram settings

Cardinality

Focus mode

Degrees of separation 1

Type here to search

09:3204-10-2023

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

Initializing file upload... Cancel Details

Grid Relationships Custom tables

Diagram settings

- Cardinality
- Focus mode
- Degrees of separation: 1

Properties

Data module

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

Diagram settings

- Cardinality
- Focus mode
- Degrees of separation: 1

Properties

Data module

New data module

- Navigation paths
- HRDataset\_v14.csv
  - # Row ID
  - # Employee\_Name
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  - # EmpStatusID
  - # DeptID
  - # PerfScoreID
  - # 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

Search

- HRDataset\_v14.csv
  - # Row ID
  - Employee\_Name
  - # EmpID
  - # MarriedID
  - # MaritalStatusID
  - # GenderID
  - # EmpStatusID
  - # DeptID
  - # PerfScoreID
  - # FromDiver...JobFairID
  - Salary
  - TermID
  - # PositionID

Employee_Name	EmpID	MarriedID	MaritalStatusID	GenderID	EmpStatusID
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

IBM Cognos Analytics

### Data module

Search

- HRDataset... View (1)
  - HRDataset\_v14.csv
    - # Row ID
    - Employee\_Name
    - # EmpID
    - # MarriedID
    - # MaritalStatusID
    - # GenderID
    - # EmpStatusID
    - # DeptID
    - # PerfScoreID
    - # FromDive...bFairID
    - Salary
    - TermID
    - # PositionID
    - Position
    - State

Grid Relationships Custom tables

HRDataset\_v14.csv - View (1)

HRDataset\_v14.csv

HRDataset... - View (1)



IBM Cognos Analytics interface showing the "Add a data source to explore" dialog box. 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

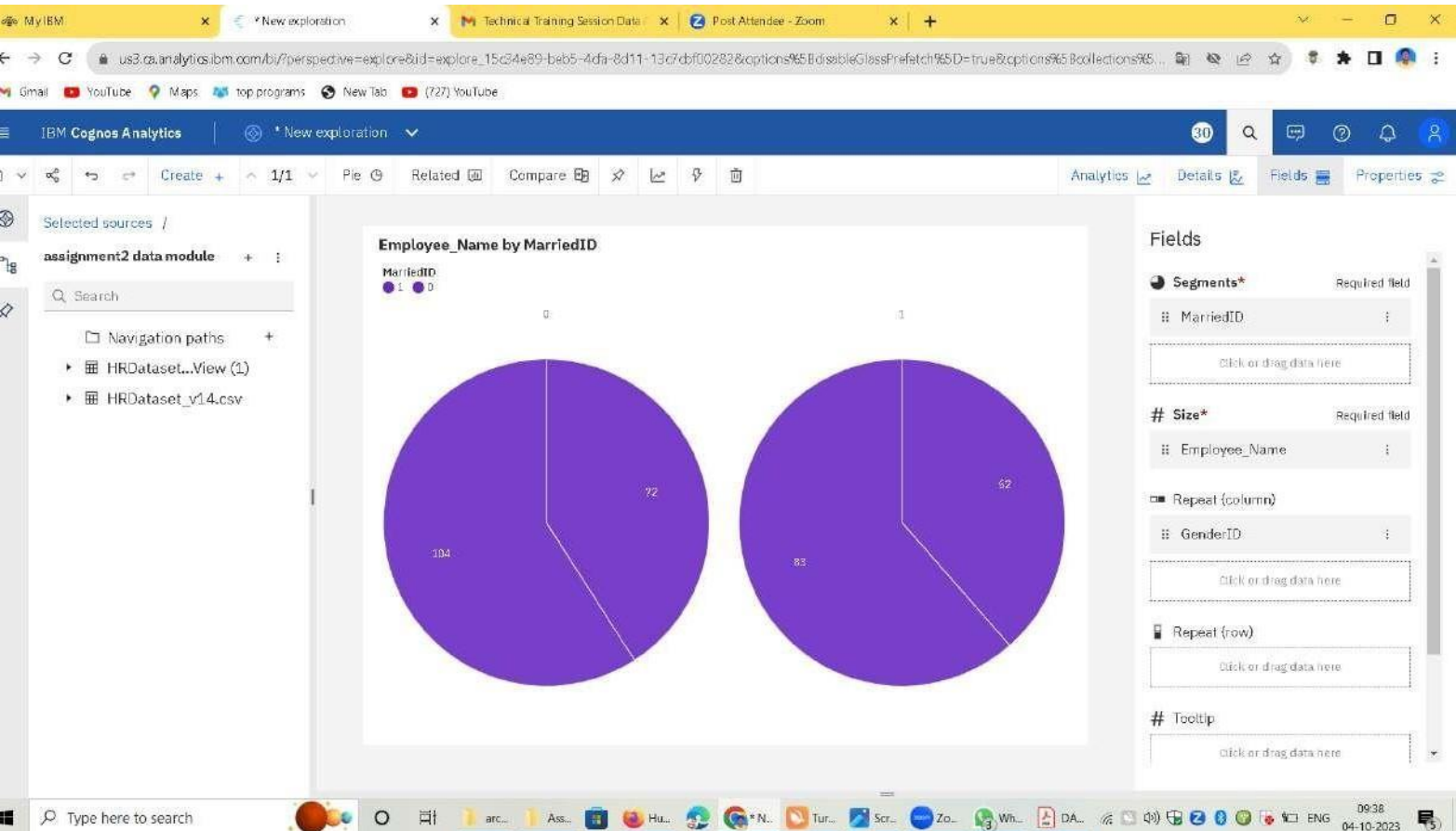
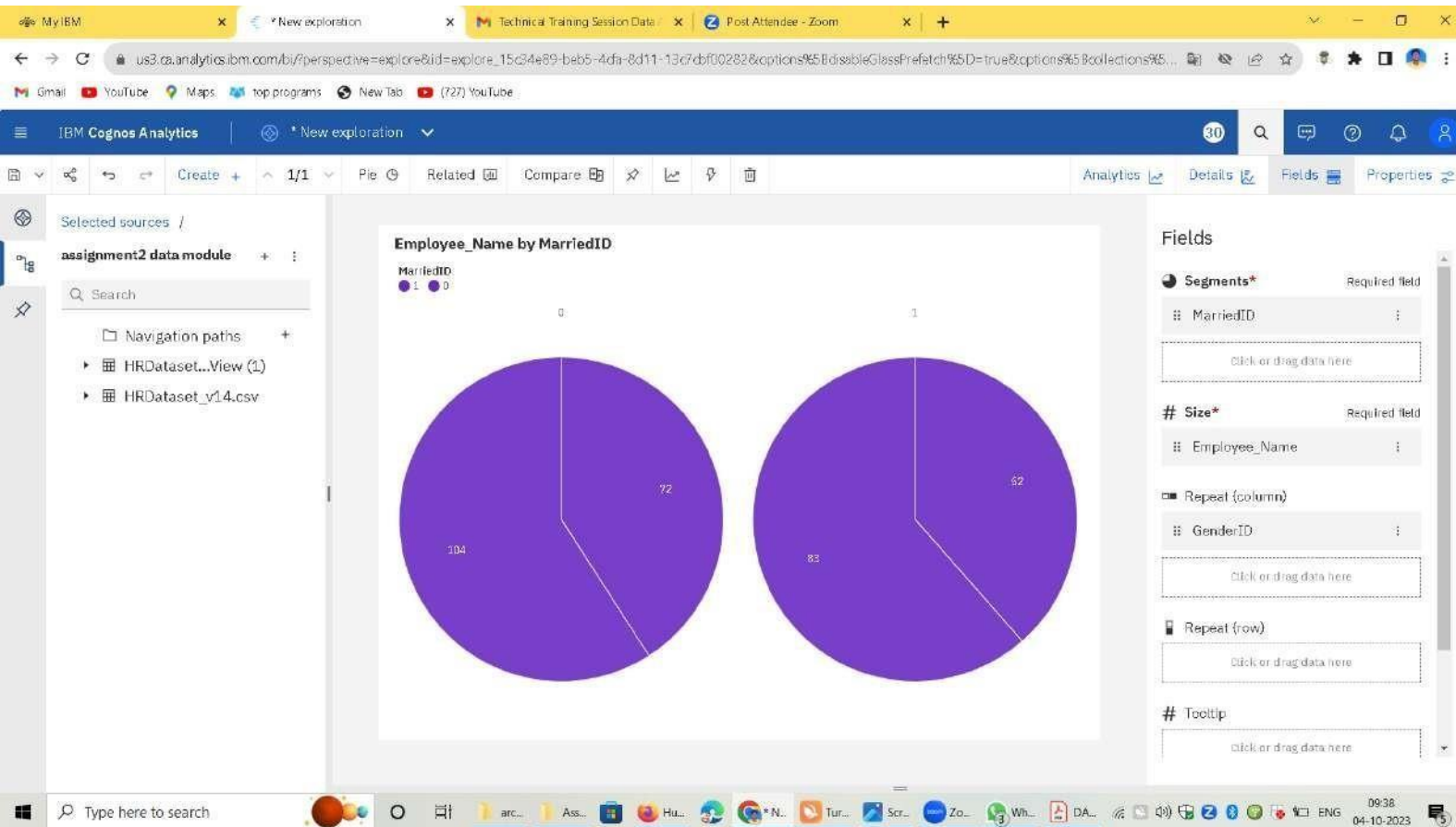
The background shows a list of data fields for "HRDataset\_v14.csv":

- # 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 displays relationships between nodes, with "Salary" as the central node. Other nodes include:

- SpecialProjectsCount
- PositionID
- Department
- DeptID
- DateofHire
- Position
- ManagerID
- ManagerName
- State

The right sidebar shows "Select a visualization" options, including "Salary" and "DaysLateLast30 and Salary by Department".



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&...

IBM Cognos Analytics | New dashboard

Selected sources / assignment2 data module

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

Tab 1 Tab 2

Employee\_Name

00

al, Sam  
Bachiochi, Linda  
Bacon, Alejandro  
Bakanski, Rachael  
Barbara, Thom  
Baylor

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&...

IBM Cognos Analytics | New dashboard

Selected sources / assignment2 data module

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

Tab 1 Tab 2

Employee\_Name

00

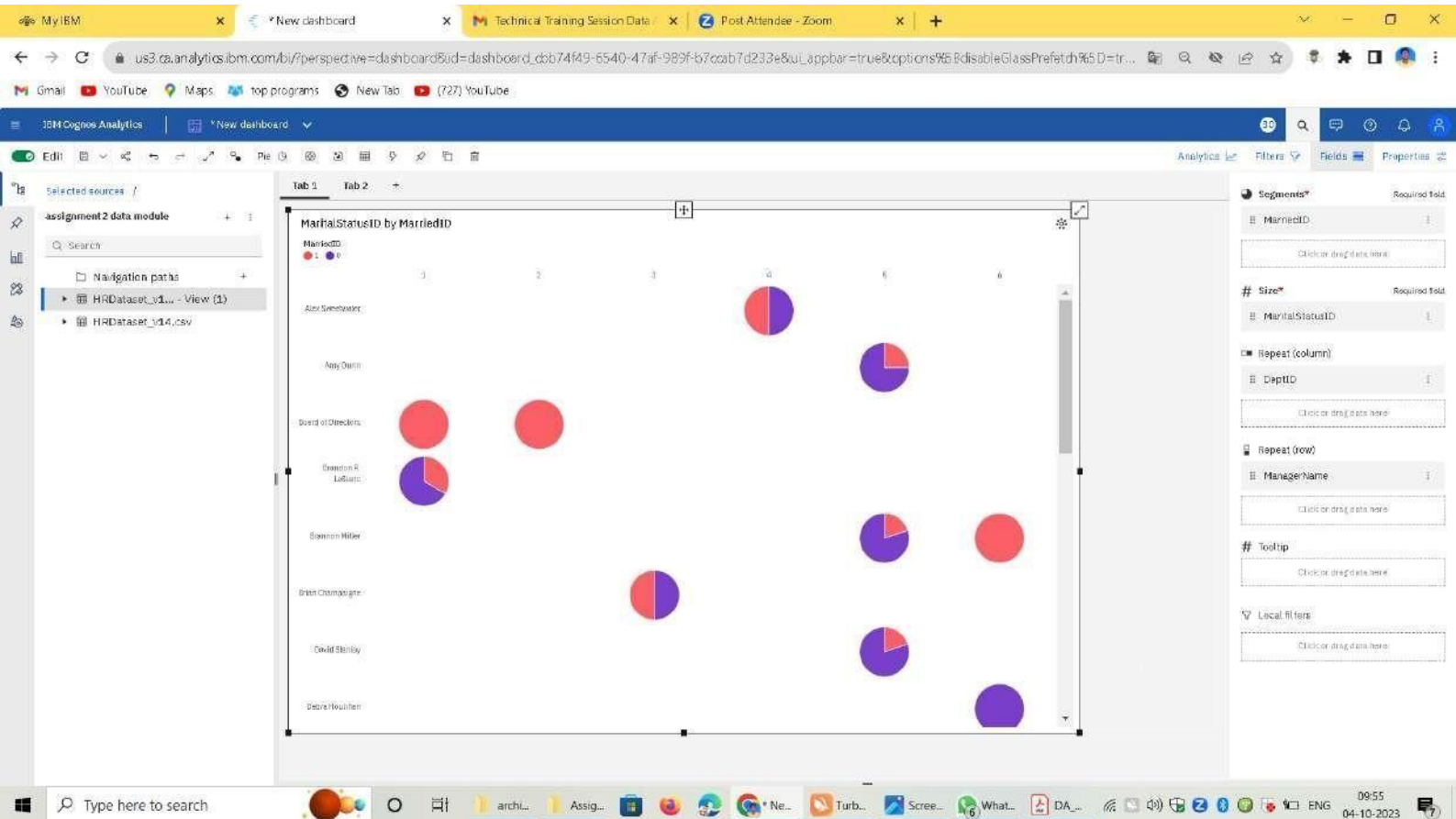
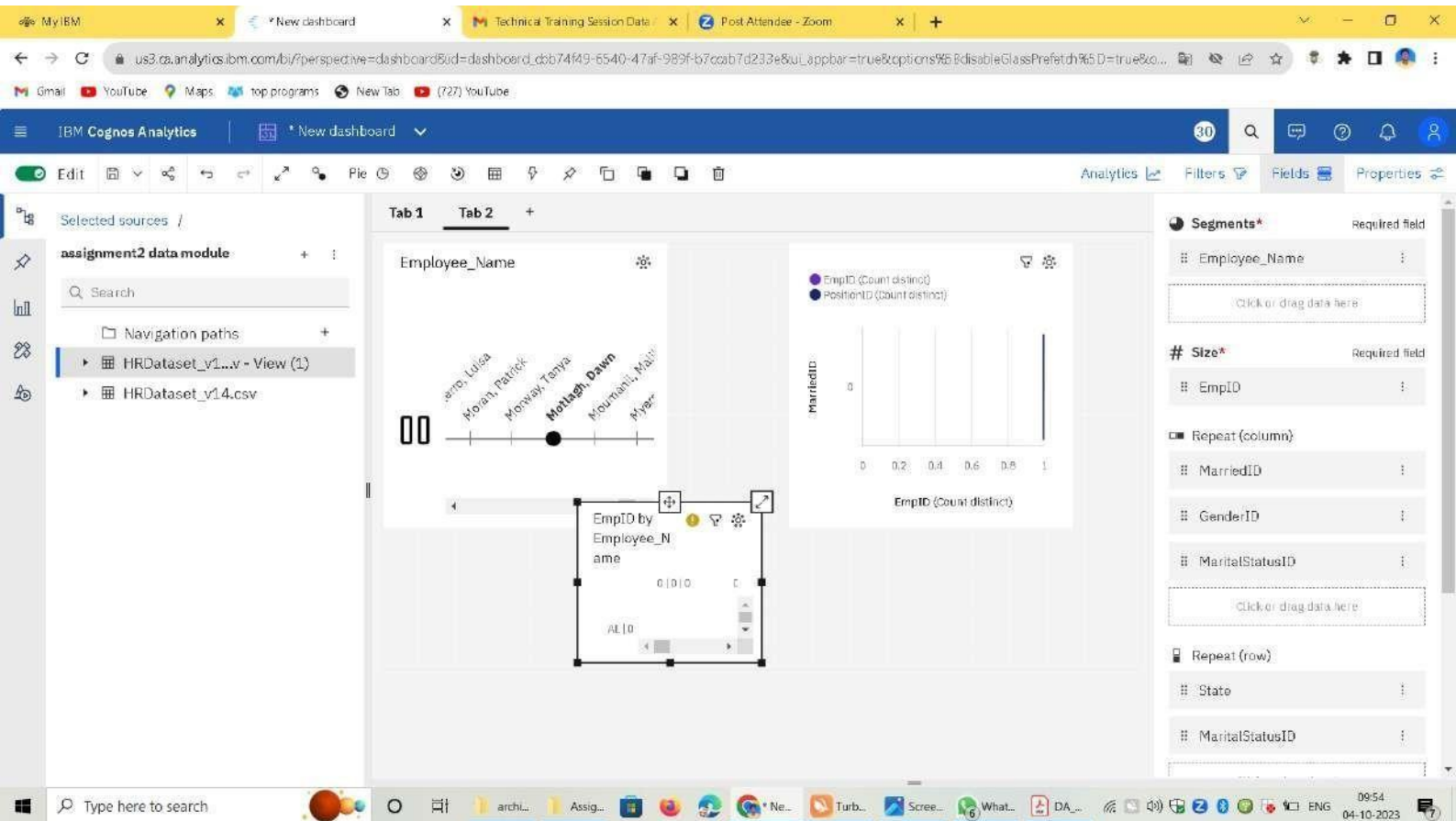
al, Sam  
Bachiochi, Linda  
Bacon, Alejandro  
Bakanski, Rachael  
Barbara, Thom  
Baylor

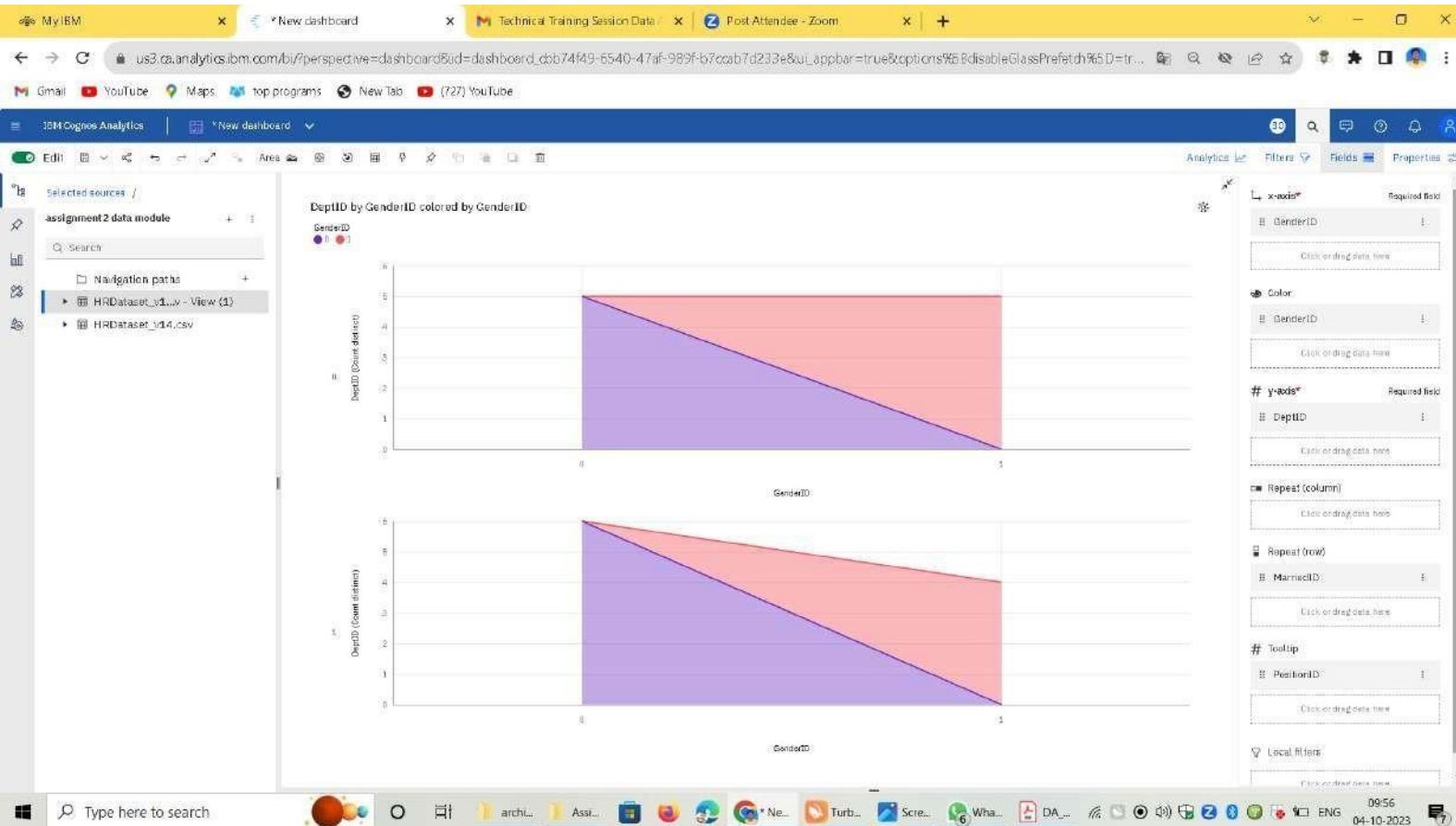
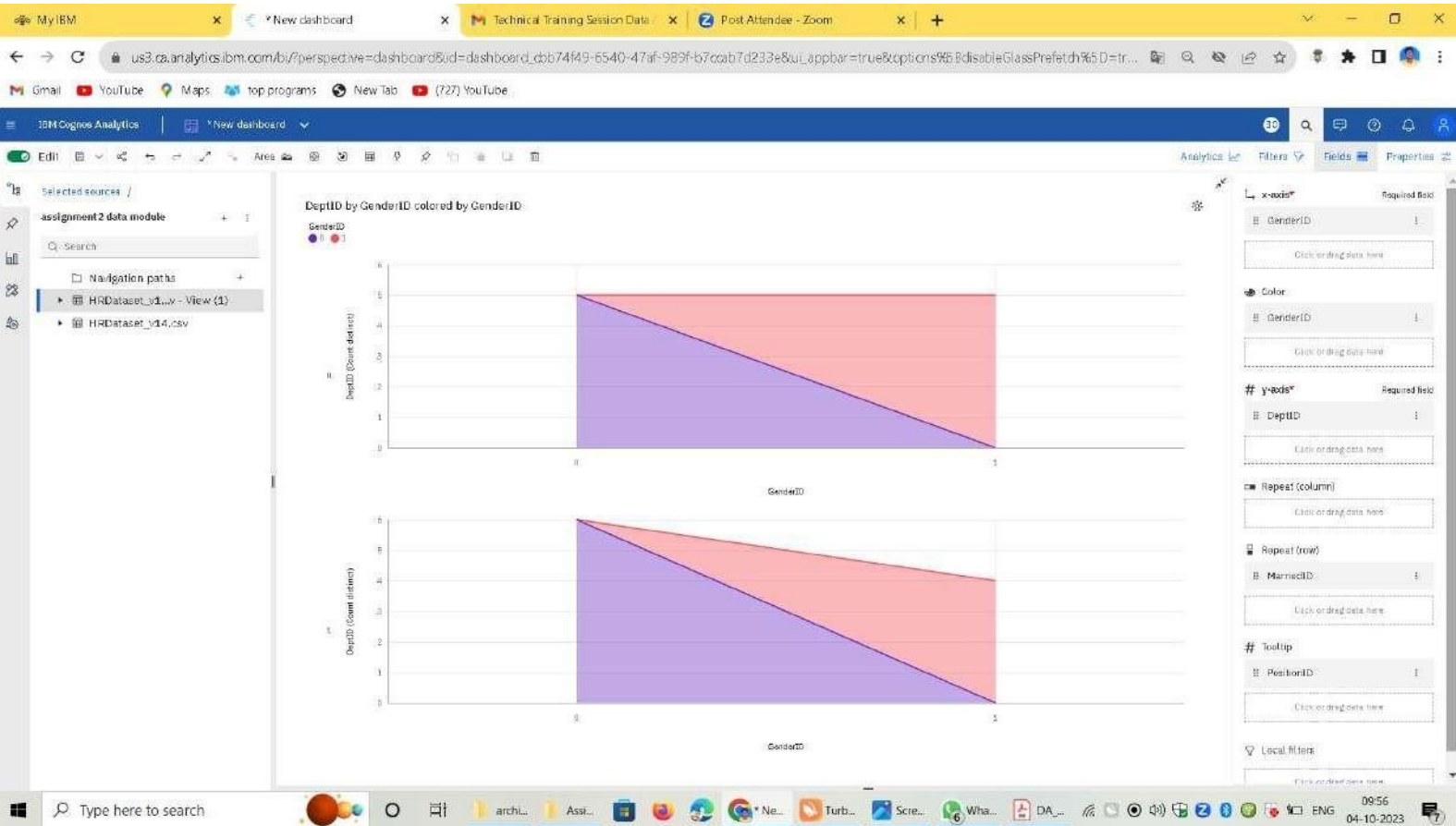
No visualization selected

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 active report | New report | Technical Training Session Data | Post Attendee - Zoom

us3.ca.analytics.ibm.com/bi?perspective=authoring&id=1596393904446

IBM Cognos Analytics | \*New active report

Report > Pages > Page1

Insertable objects

- Text item
- Block
- Table
- List
- Crosstab
- Visualization

TEXTUAL

LAYOUT

DATA CONTAINER

ACTIVE REPORT

ADVANCED

Table

- CONDITIONAL
  - Conditional styles
  - Style variable
  - Render variable
- GENERAL
  - Pagination
- INTERACTIVE BEHAVIOR
  - Display for orientation: Both
- BOX
  - Border
  - Margin
  - Box type
- COLOR & BACKGROUND
  - Background image
  - Background color
  - Foreground color
  - Drop shadow
- FONT & TEXT
  - Font
  - Horizontal alignment
  - Relative alignment

Type here to search

archi... Assign... Ne... Turb... Screenshot... What... DA...

10:03 04-10-2023

My IBM | \*New story | New report | Technical Training Session | Data Analytics Session 4 | Untitled4.ipynb - Colaboratory

colab.research.google.com/drive/13oU07TPPh3DO7ryVK8bpENFXKdF9Yb5?authuser=0#scrollTo=VRsMhgtQRDgh

Untitled4.ipynb

File Edit View Insert Runtime Tools Help All changes saved

Files

- sample\_data
- House Price India.csv

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')
```

sample pie Chart

Category A: 16.9%

Category B: 33.7%

Category C: 38.2%

Category D: 11.2%

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

1 2 10 100 1000 1400 1460 1462

0s completed at 11:31 AM

Type here to search

archi... archi... Hou... Unti... Turb... Screenshot... What... AI A...

11:32 04-10-2023

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
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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

Type here to search

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

11:33 04-10-2023