

ARJUN COLLEGE OF TECHNOLOGY
ASSIGNMENT – 2
NAAN MUDHALVAN

NAME : HARISH KUMAR

REG NO: 723920243014

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IBM Cognos Analytics

1/2 Alerts What's New: To read about what's new in Getting Started, click More Info.

Get quick answers with the Assistant

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

Ask a question

BOMMISETTY ANINDRA ...
anindralucky2222@gmail.com
Profile and settings

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- My schedules and subscriptions
- My Watch Items
- Log my session
- About
- Manage product subscription
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Get started Watch videos Log out

Introduction to Cognos Analytics

Leverage self-service analytics to make more confident decisions.

Upload data and start creating content

Upload spreadsheets, CSV files, and other types of files, and create content based on these files.

Create content from existing data

Locate data sources in the Content view, and create content based on these sources.

Type here to search

28°C Haze 10:16 PM 10/10/2023

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

us3.ca.analytics.ibm.com/bi/?perspective=ca-modeler&id=2519307625_64dc168efa1f47bd8aa5d4aed0d2703b_sessionTemp&objRef=8&id=2519307625_64dc168efa1f47bd8aa...

IBM Cognos Analytics

New data module

Initializing file upload... Cancel Details

Grid Relationships Custom tables

Diagram settings

- Cardinality
- Focus mode
- Degrees of separation 1

Loading data...

Navigation paths

- HRDataset_v14.csv
 - # Row ID
 - # Employee_Name
 - # EmplID
 - # MarriedID
 - # MaritalStatusID
 - # GenderID
 - # EmpStatusID
 - # DeptID
 - # PerfScoreID
 - # FromDive...ID
 - Salary
 - TermID
 - # PositionID
 - Position

Type here to search

09:32 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

Initializing file upload... Cancel Details

Grid Relationships Custom tables

Diagram settings

- Cardinality
- Focus mode
- Degrees of separation: 1

HRDataset_v14.csv

- # Row ID
- # Employee_Name
- # EmpID
- # MarriedID
- # MaritalStatusID
- # GenderID
- # EmpStatusID
- # DeptID
- # PerfScoreID
- # FromDrive...bFairID
- 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

HRDataset_v14.csv

- # Row ID
- # Employee_Name
- # EmpID
- # MarriedID
- # MaritalStatusID
- # GenderID
- # EmpStatusID
- # DeptID
- # PerfScoreID
- # FromDrive...bFairID
- 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.

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
- # FromDiver...JobFairID
- Salary
- TermID
- # PositionID

Employee_Name	EmpID	MarriedID	MaritalStatusID	GenderID	EmpStatusID	De
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

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)

My IBM assignment2 data module Technical Training Session Data Post Attendee - Zoom

us3.ca.analytics.ibm.com/bi/?perspective=ca-modeler&id=iACC1319E867942B4807AEC89C67685D8&objRef=iACC1319E867842B4807AEC89C67685D8&tid=2178461845_b...

IBM Cognos Analytics assignment2 data module

Add a data source to explore

My content Team 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 CSV	10/3/2023, 11:03 PM
market sales data module	Data module	10/3/2023, 11:45 AM
supermarket_sales - Sheet1.csv	Uploaded file CSV	10/3/2023, 11:36 AM

Cancel Add

HRDataset... View (1)

- HRDataset_v14.csv
 - # Row Id
 - # Employee_Name
 - # EmpID
 - # MarriedID
 - # MaritalStatusID
 - # GenderID
 - # EmpStatusID
 - # DeptID
 - # PerfScoreID
 - # FromDrive...bFairID
 - Salary
 - Termid
 - # PositionID
 - # Position
 - # State

Type here to search

arc... Ass... Hu... ass... Tur... Scr... Zo... Wh... DA... ENG 09:36 04-10-2023

My IBM *New exploration Technical Training Session Data Post Attendee - Zoom

us3.ca.analytics.ibm.com/bi/?perspective=explore&id=explore_15c34e69-bab5-4da-8d11-13c7dbf00282&options%5BdisableGlassPrefetch%5D=true&options%5Bcollections%5...

IBM Cognos Analytics *New exploration

Explore data relationships

assignment2 data module

Salary

Reset to original Edit diagram

Select single or multiple nodes to see visualizations.

Relationship diagram ①

10% 160%

Select a visualization

Explore visualizations related to 'Salary'.

Salary

Add +

Salary

Error: Script error for "com.ibm.viz.vizbundles/rave2cor"

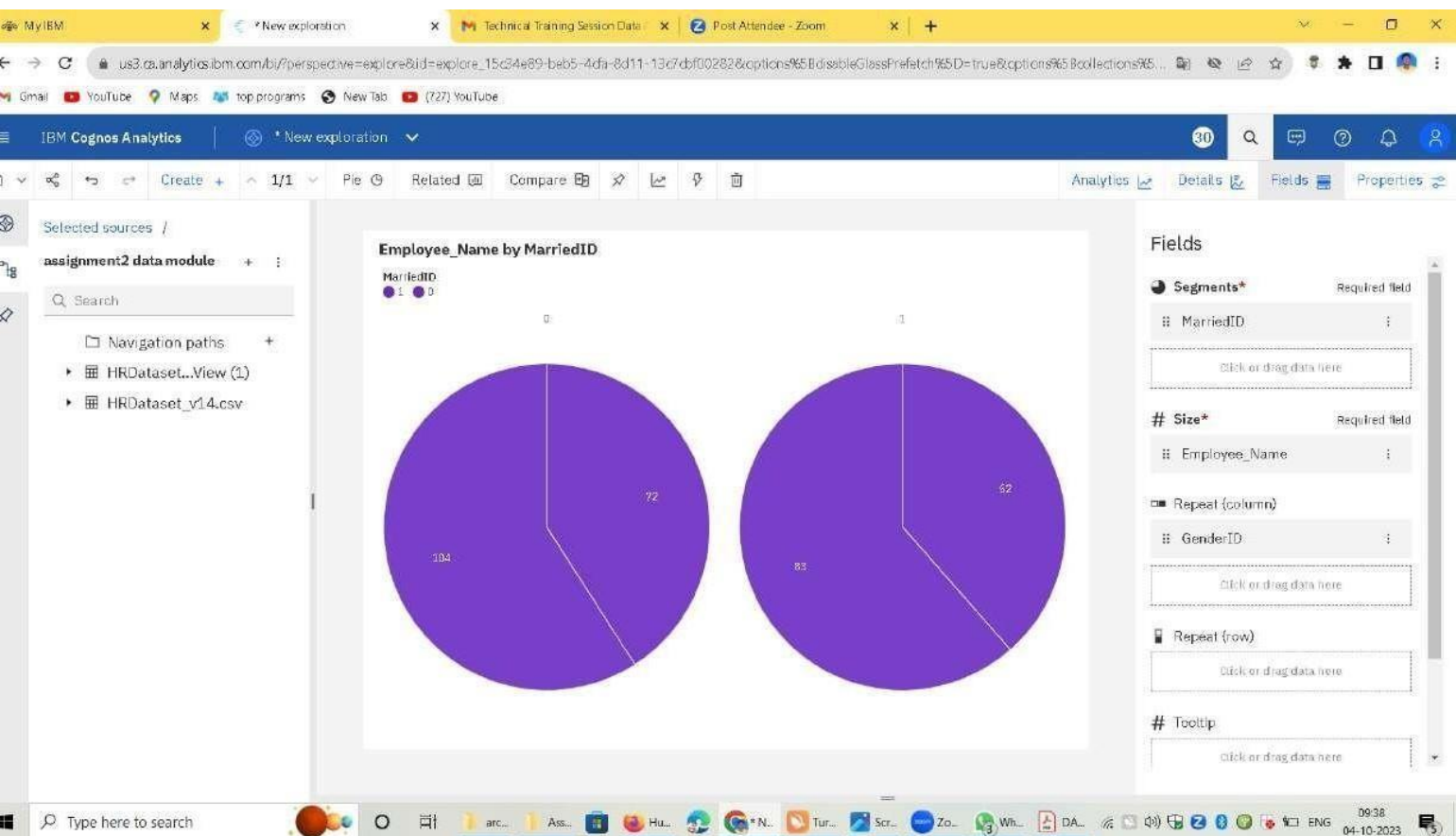
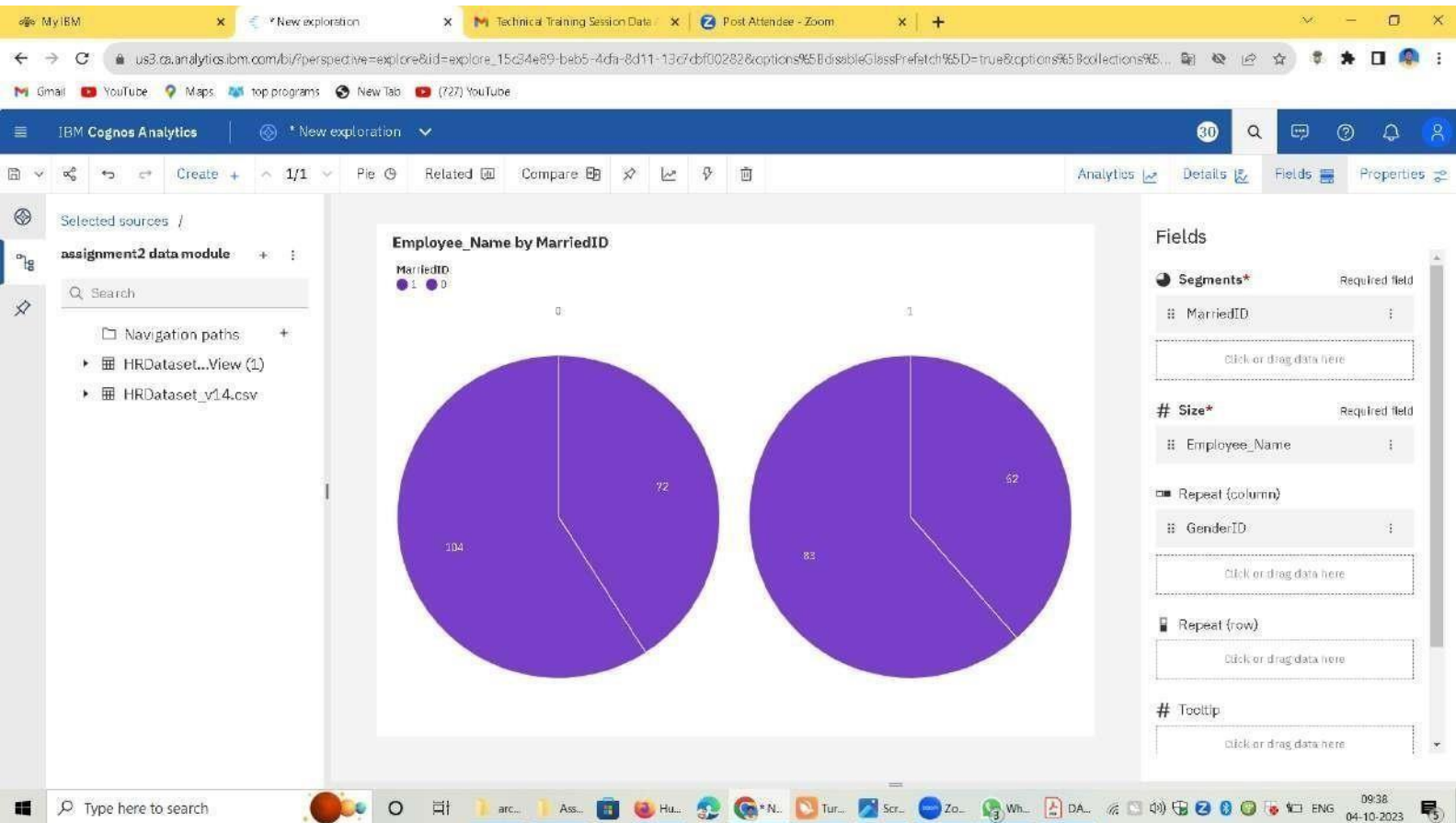
Add +

DaysLateLast30 and Salary by Department

Error: Script error for

Type here to search

arc... Ass... Hu... * N... Tur... Scr... Zo... Wh... DA... ENG 09:37 04-10-2023



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us3.ca.analytics.ibm.com/bi/?perspective=dashboard&id=dashboard_dcb74f49-6540-47af-989f-b7ccb7d233e&ui_appbar=true&options%5BdisableGlassPrefetch%5D=true&...

IBM Cognos Analytics | New dashboard

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

al, Sam
Bachiochi, Linda
Bacon, Alejandro
Bakozek, Rachael
Baranek, Barbara
Baron

No visualization selected

Select a visualization to manage the field settings.

Type here to search | arch... | Ass... | 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&id=dashboard_dcb74f49-6540-47af-989f-b7ccb7d233e&ui_appbar=true&options%5BdisableGlassPrefetch%5D=true&...

IBM Cognos Analytics | New dashboard

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

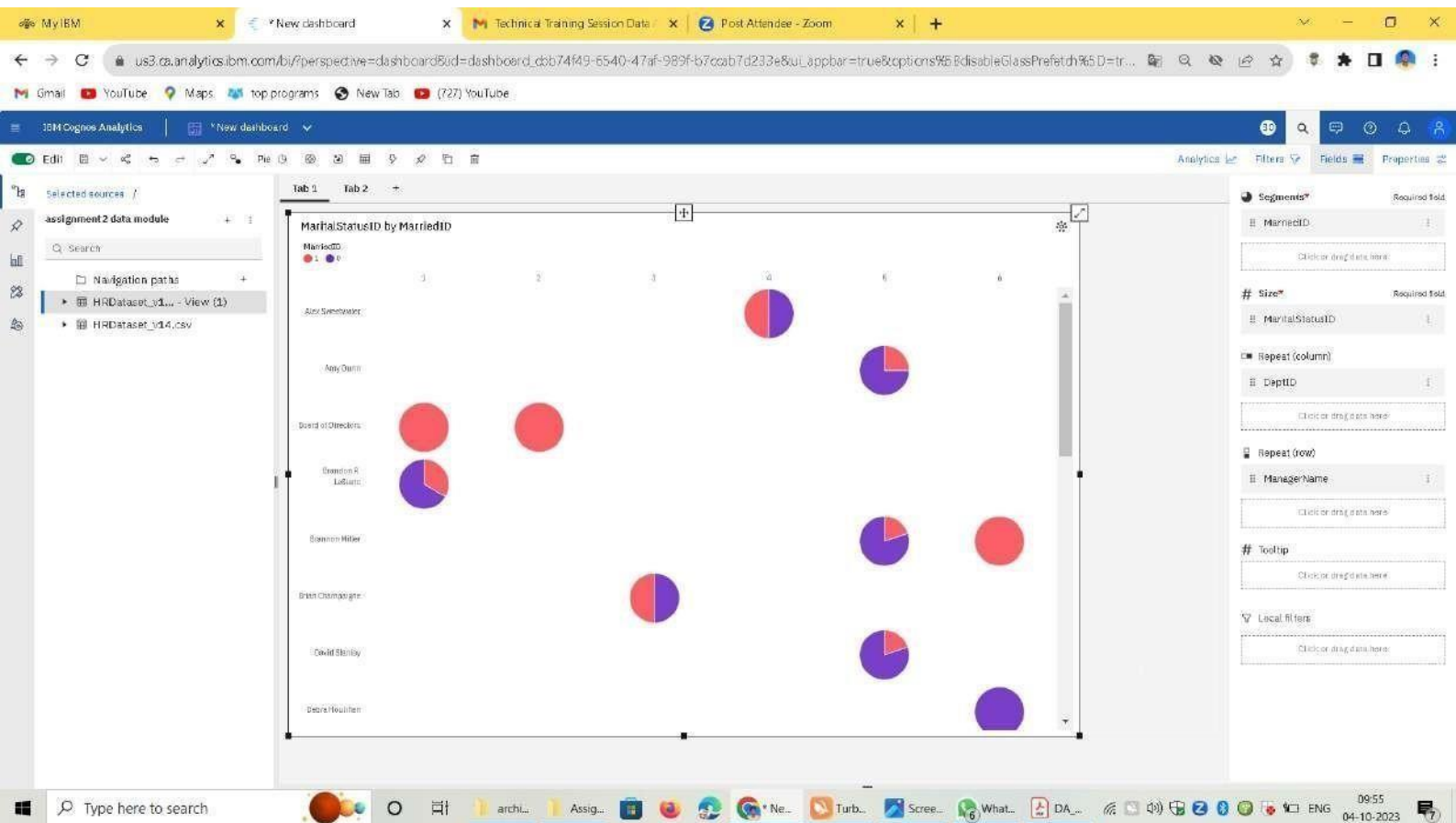
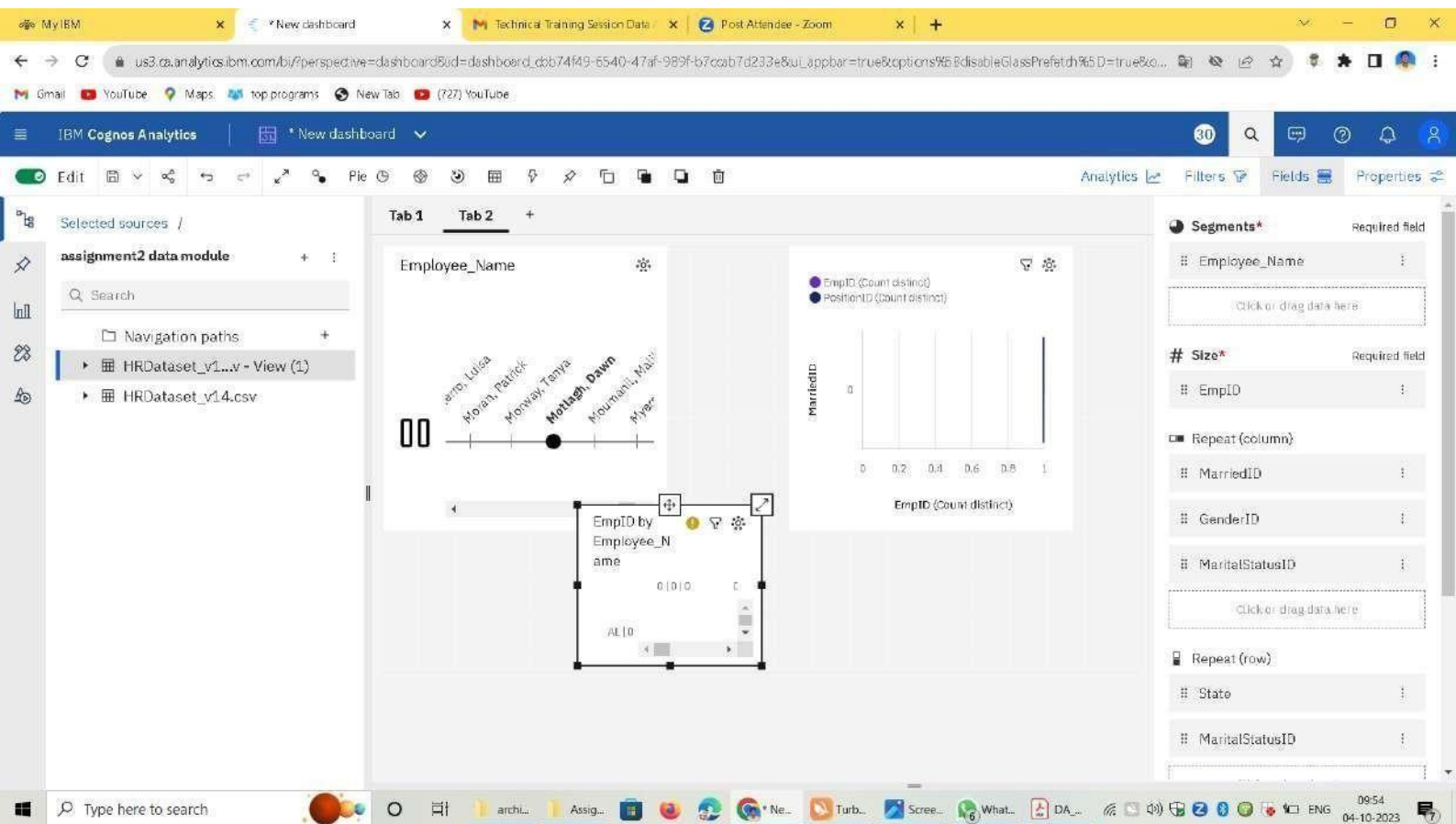
00

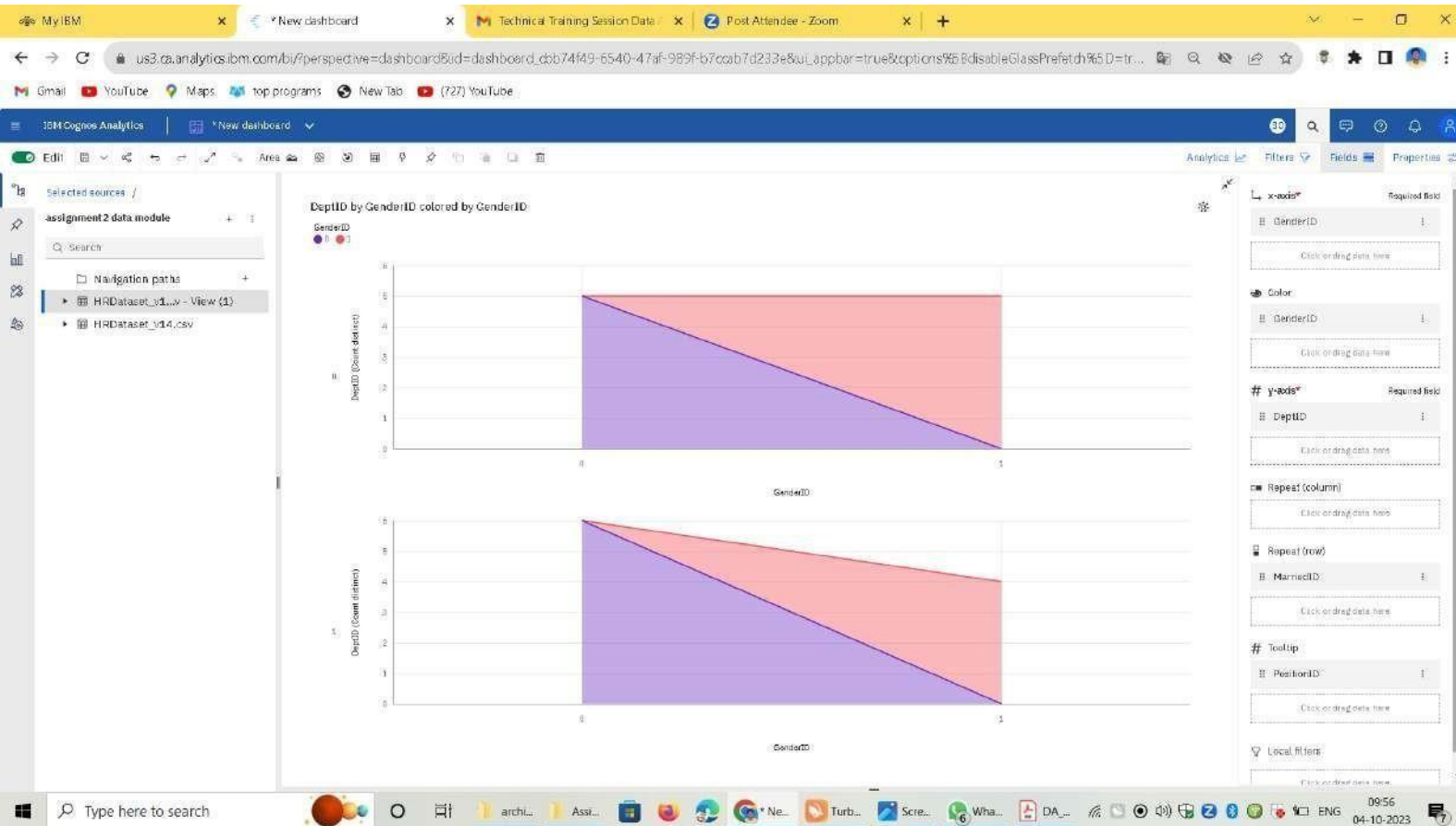
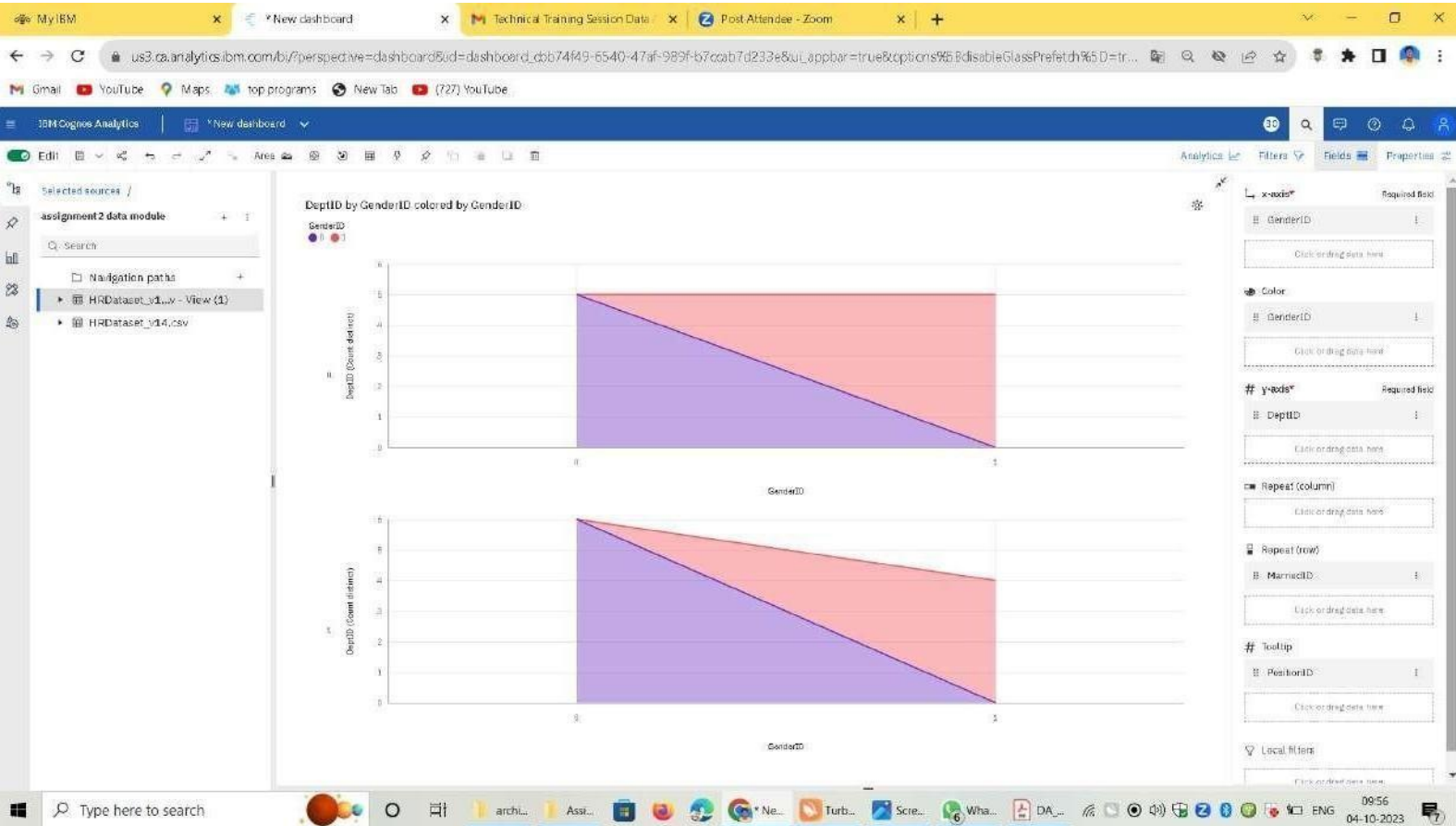
al, Sam
Bachiochi, Linda
Bakozek, Alejandro
Baranek, Barbara
Barbara - Thom
Baron

No visualization selected

Select a visualization to manage the field settings.

Type here to search | arch... | Ass... | 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=1696393904446

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

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

colab.research.google.com/drive/13oU07TPPh3DO7yYK8bpENFXKdF9Yb?authuser=0#scrollTo=VRsMhgTQRDgh

Untitled4.ipynb

File Edit View Insert Runtime Tools Help All changes saved

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

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
6762813593	4/24/91	3	1.75
6762813600	4/24/91	3	2.5
6762814481	4/24/91	4	2.25

Show 10 per page

1 2 10 100 1000 1400 1450 1462

completed at 11:31 AM

My IBM

New story

New report

Technical Training Session

Data Analytics Session 4

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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

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completed at 11:33 AM

Type here to search

arch...arch...Hou...Unti...Turb...Scre...Wha...AI A...ENG11:3304-10-2023