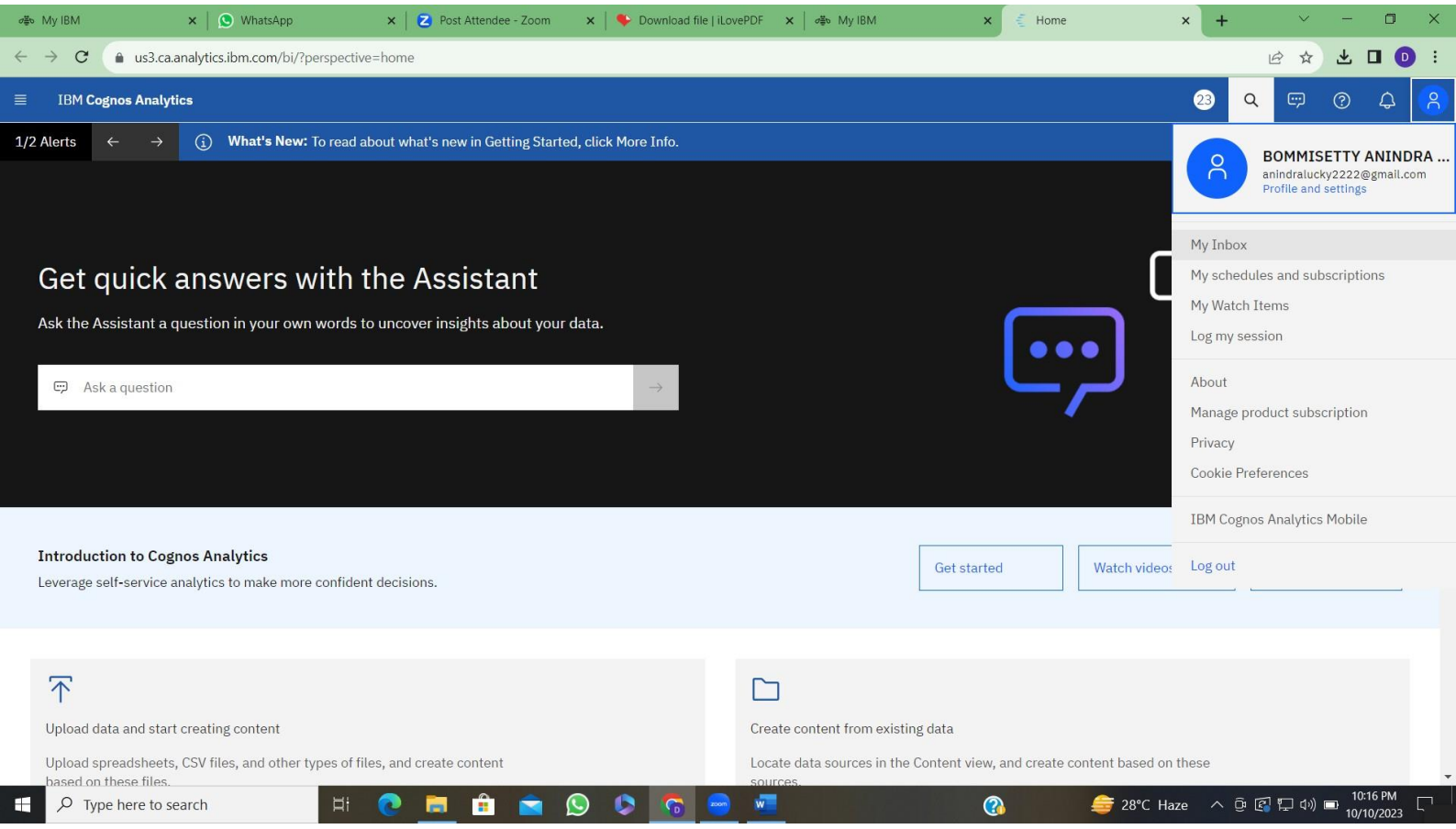
ARJUN COLLEGE OF TECHNOLOGY

ASSIGNMENT – 2

NAAN MUDHALVAN

NAME : KANASANI DHAMODHAR REDDY

REG NO: 723920243020


My IBM
WhatsApp
Post Attendee - Zoom
Download file | iLovePDF
My IBM
Home
us3.ca.analytics.ibm.com/bi/?perspective=home
IBM Cognos Analytics
1/2 Alerts
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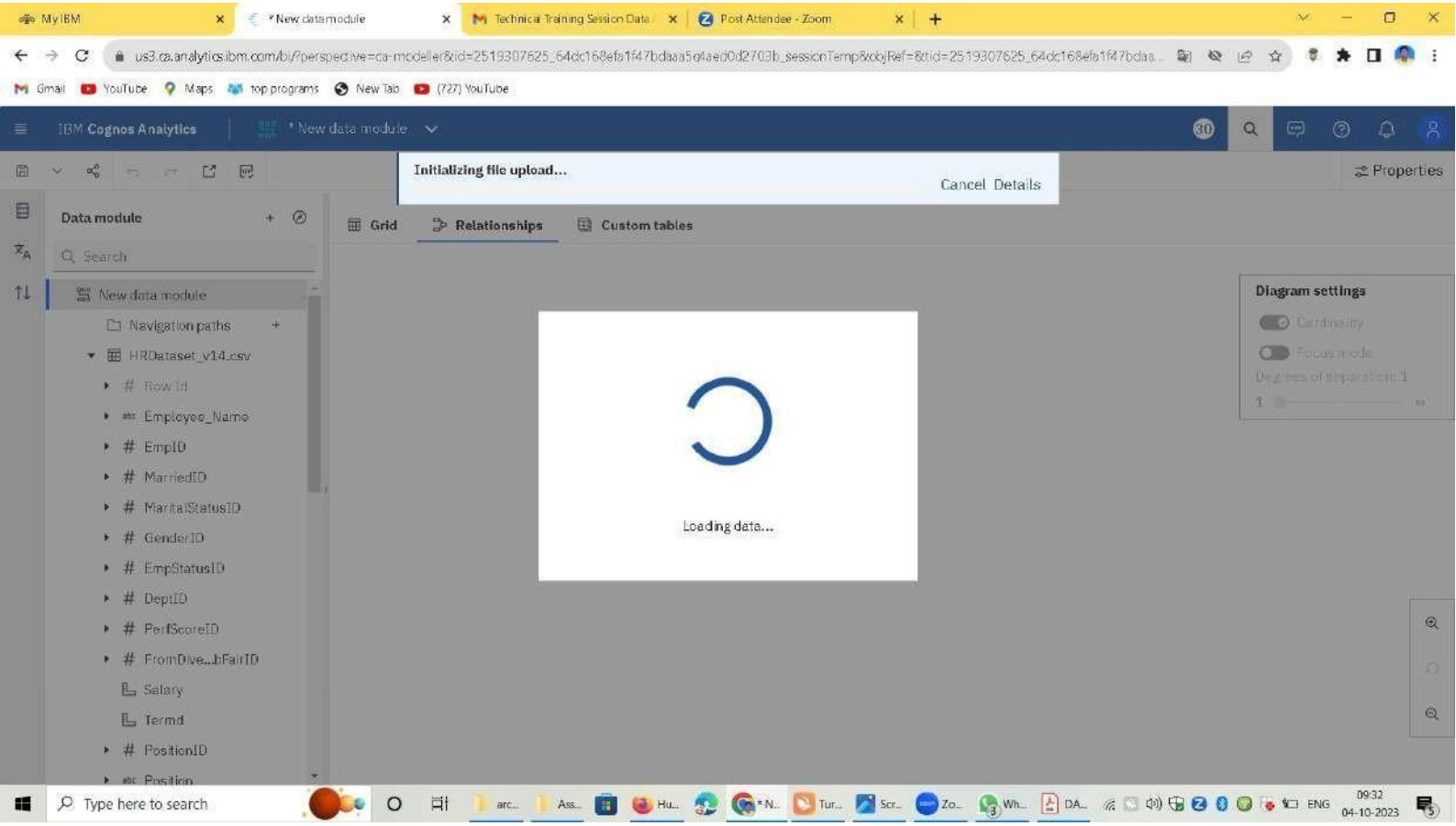
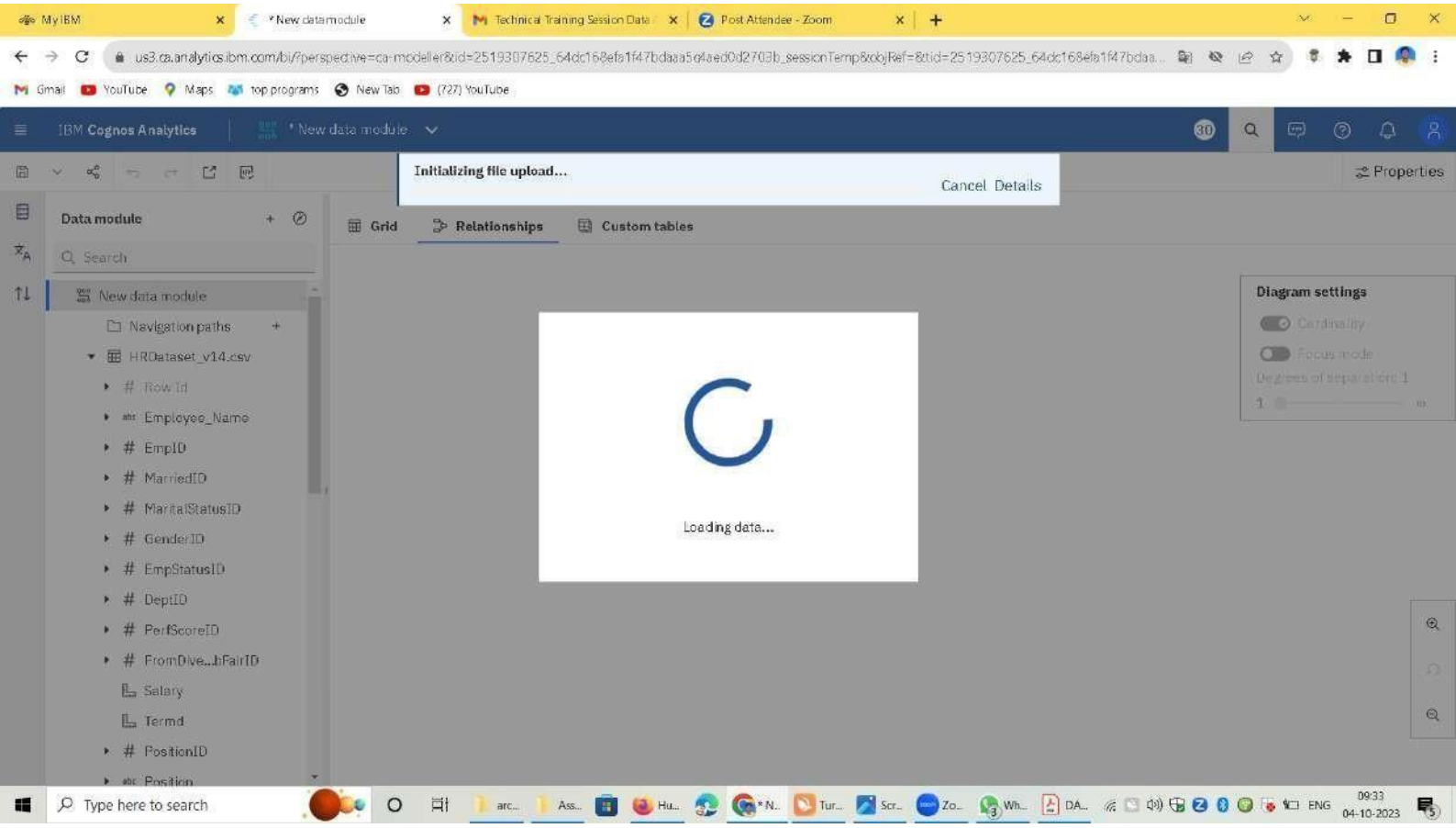
BOMMISETTY ANINDRA ...
anindralucky2222@gmail.com
Profile and settings
My Inbox
My schedules and subscriptions
My Watch Items
Log my session
About
Manage product subscription
Privacy
Cookie Preferences
IBM Cognos Analytics Mobile
Log out
Get quick answers with the Assistant
Ask the Assistant a question 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
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
Gmail
YouTube
Maps
top programs
New Tab
(727) YouTube
IBM Cognos Analytics
*New data module
Initializing file upload...
Cancel
Details
Properties
Data module
Search
New data module
Navigation paths
HRDataset_v14.csv
Row ID
Employee_Name
EmpID
MarriedID
MaritalStatusID
GenderID
EmpStatusID
DeptID
PerfScoreID
FromDive...bFairID
Salary
Termd
PositionID
Position
Grid
Relationships
Custom tables
Diagram settings
Cardinality
Focus mode
Degrees of separation: 1
1
Loading data...
Type here to search
ENG
09:32
04-10-2023


My IBM
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Technical Training Session Data
Post Attendee - Zoom
us3.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=2519307625_64dc168efa1f47bdaaa5e4aed0d2703b_sessionTemp&objRef=&tid=2519307625_64dc168efa1f47bdaa...
Gmail
YouTube
Maps
top programs
New Tab
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IBM Cognos Analytics
* New data module
Initializing file upload...
Cancel
Details
Properties
Data module
Search
New data module
Navigation paths
HRDataset_v14.csv
Row Id
Employee_Name
EmpID
MarriedID
MaritalStatusID
GenderID
EmpStatusID
DeptID
PerfScoreID
FromDive...bFairID
Salary
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PositionID
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Relationships
Custom tables
Diagram settings
Cardinality
Focus mode
Degrees of separation: 1
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Loading data...
Type here to search
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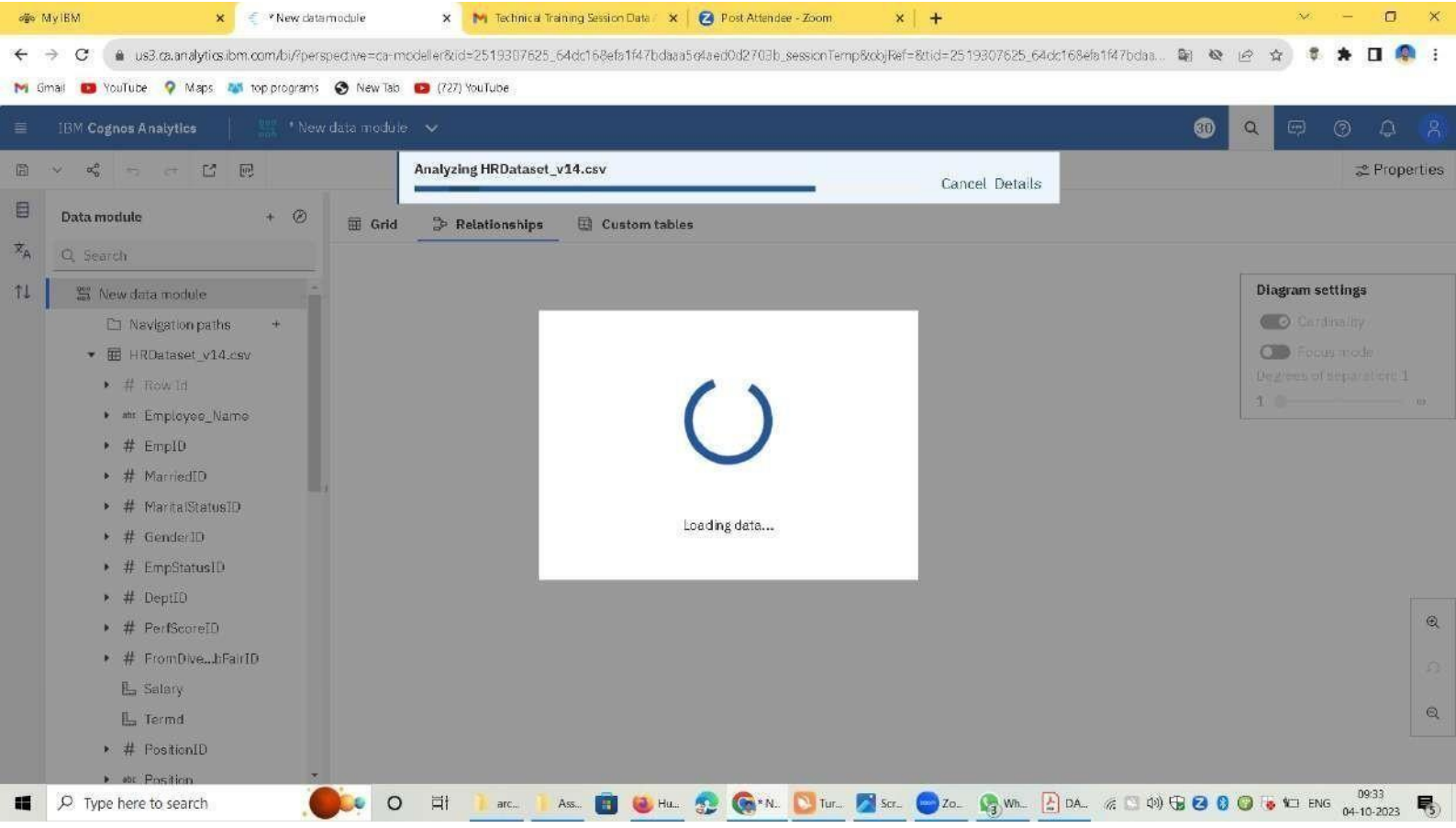
04-10-2023


My IBM
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Technical Training Session Data
Post Attendee - Zoom
us3.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=2519307625_64dc168efa1f47bdaaa5e4aed0d2703b_sessionTemp&objRef=&tid=2519307625_64dc168efa1f47bdaa...
Gmail
YouTube
Maps
top programs
New Tab
(727) YouTube
IBM Cognos Analytics
* New data module
Analyzing HRDataset_v14.csv
Cancel
Details
Properties
Data module
Search
New data module
Navigation paths
HRDataset_v14.csv
Row Id
Employee_Name
EmpID
MarriedID
MaritalStatusID
GenderID
EmpStatusID
DeptID
PerfScoreID
FromDive...bFairID
Salary
Termd
PositionID
Position
Grid
Relationships
Custom tables
Diagram settings
Cardinality
Focus mode
Degrees of separation: 1
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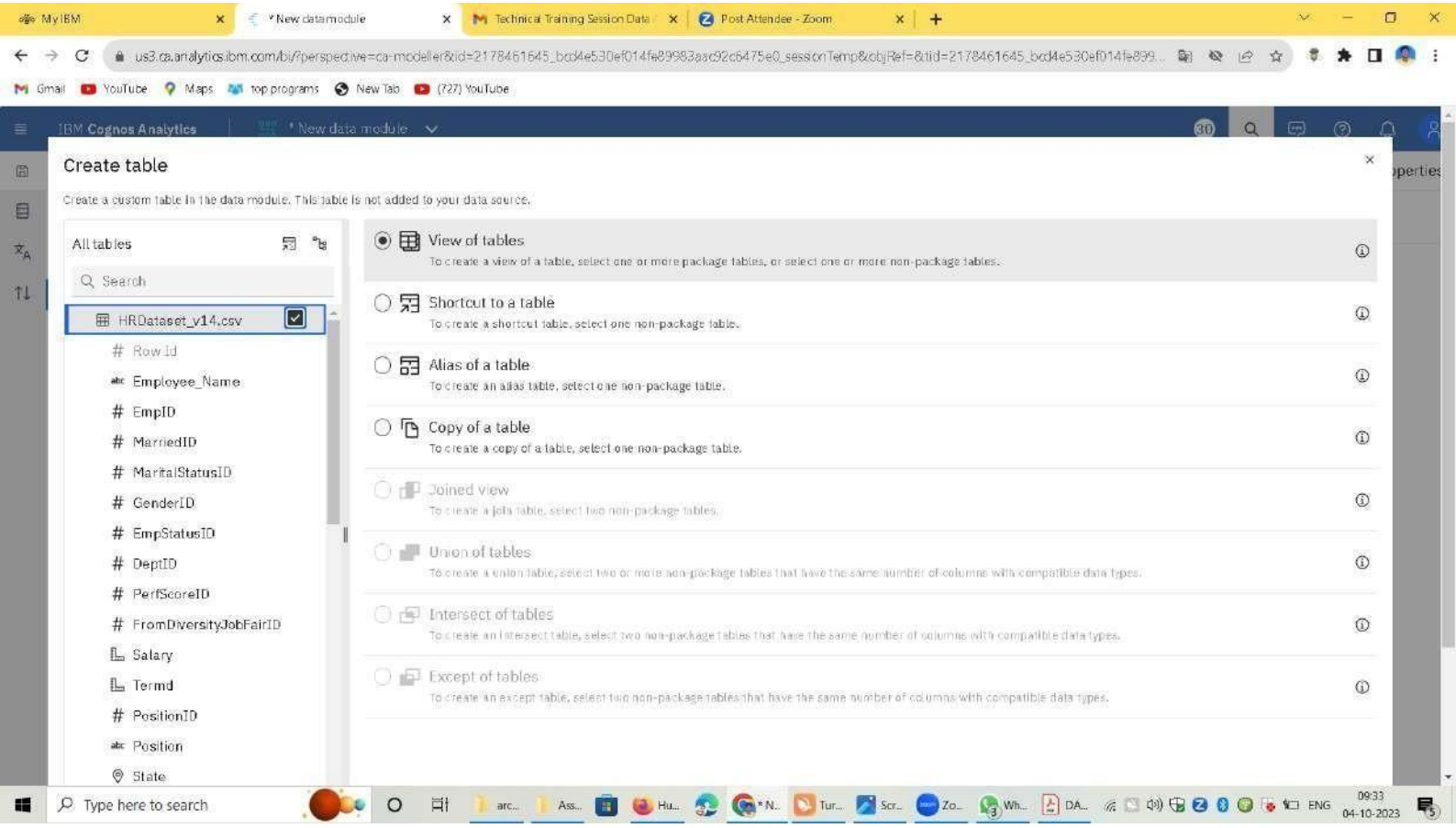
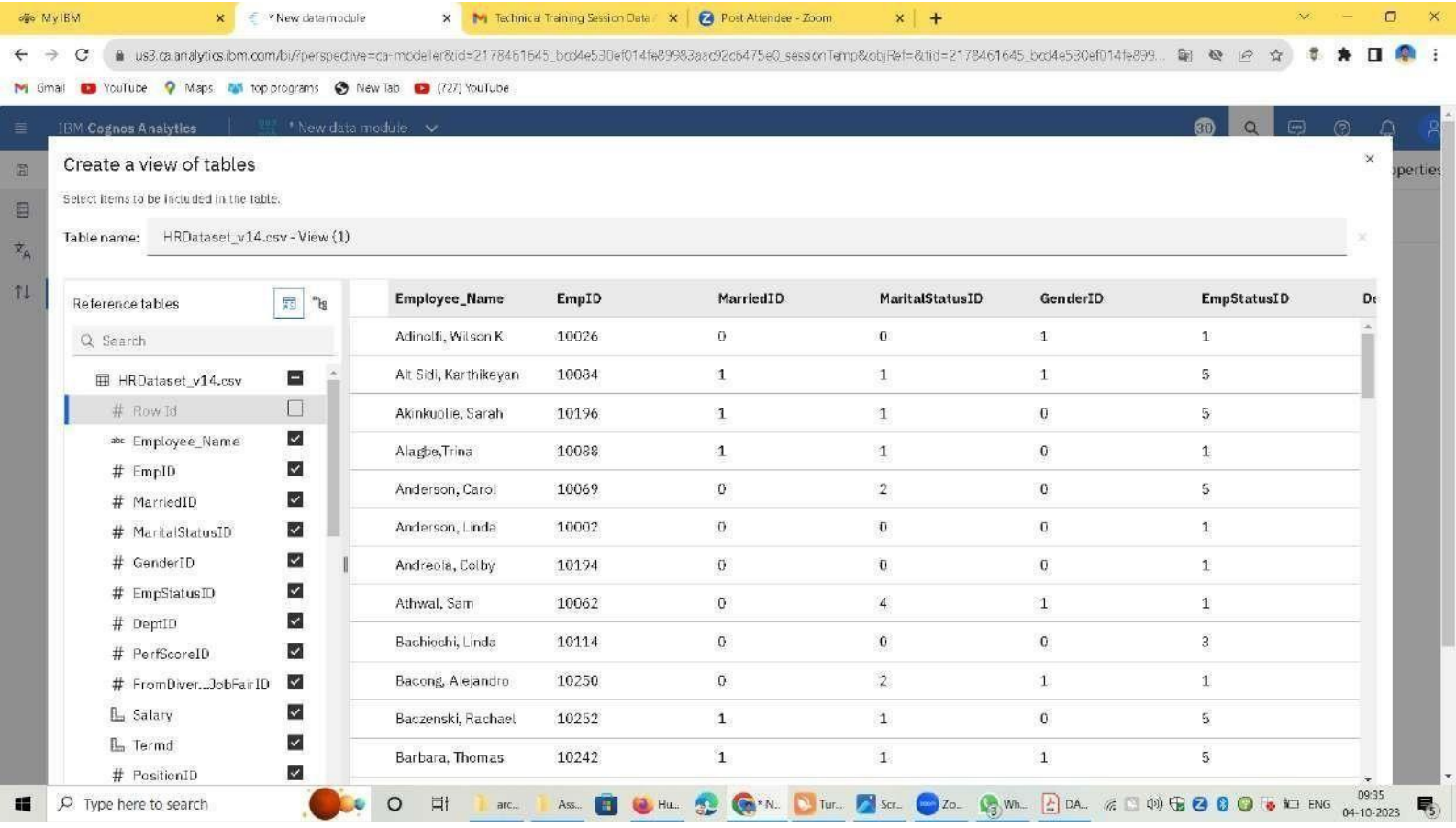
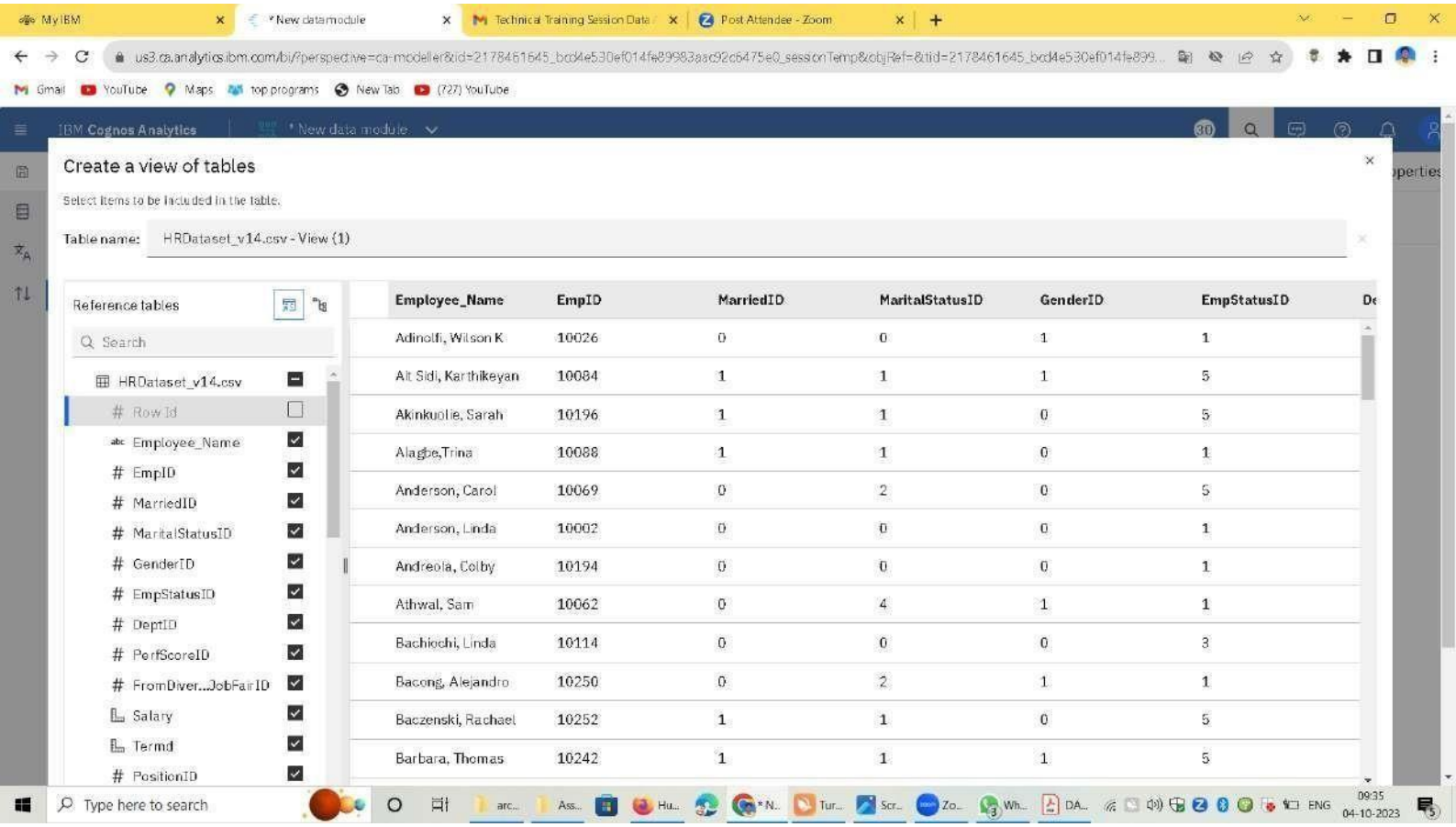
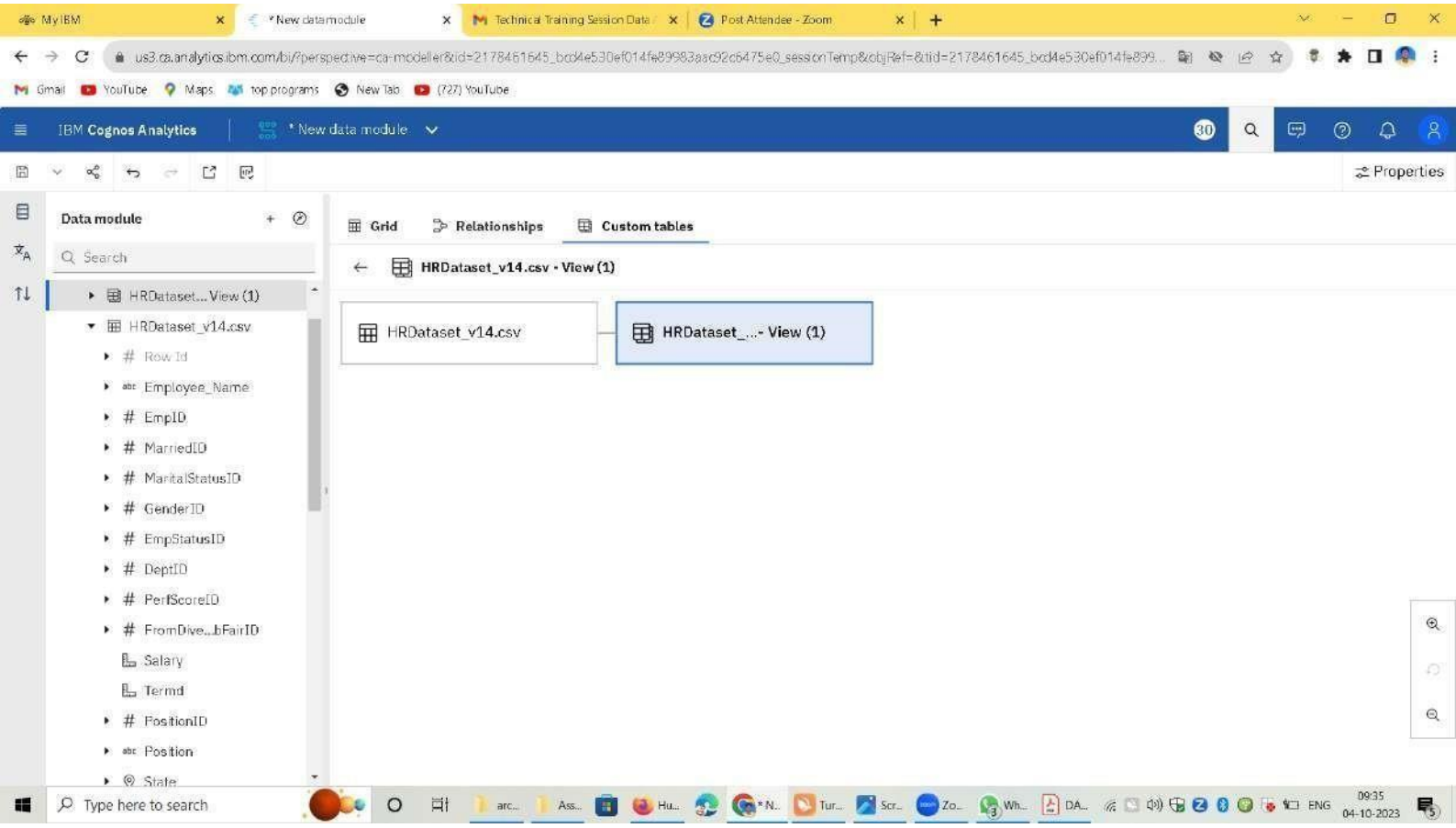
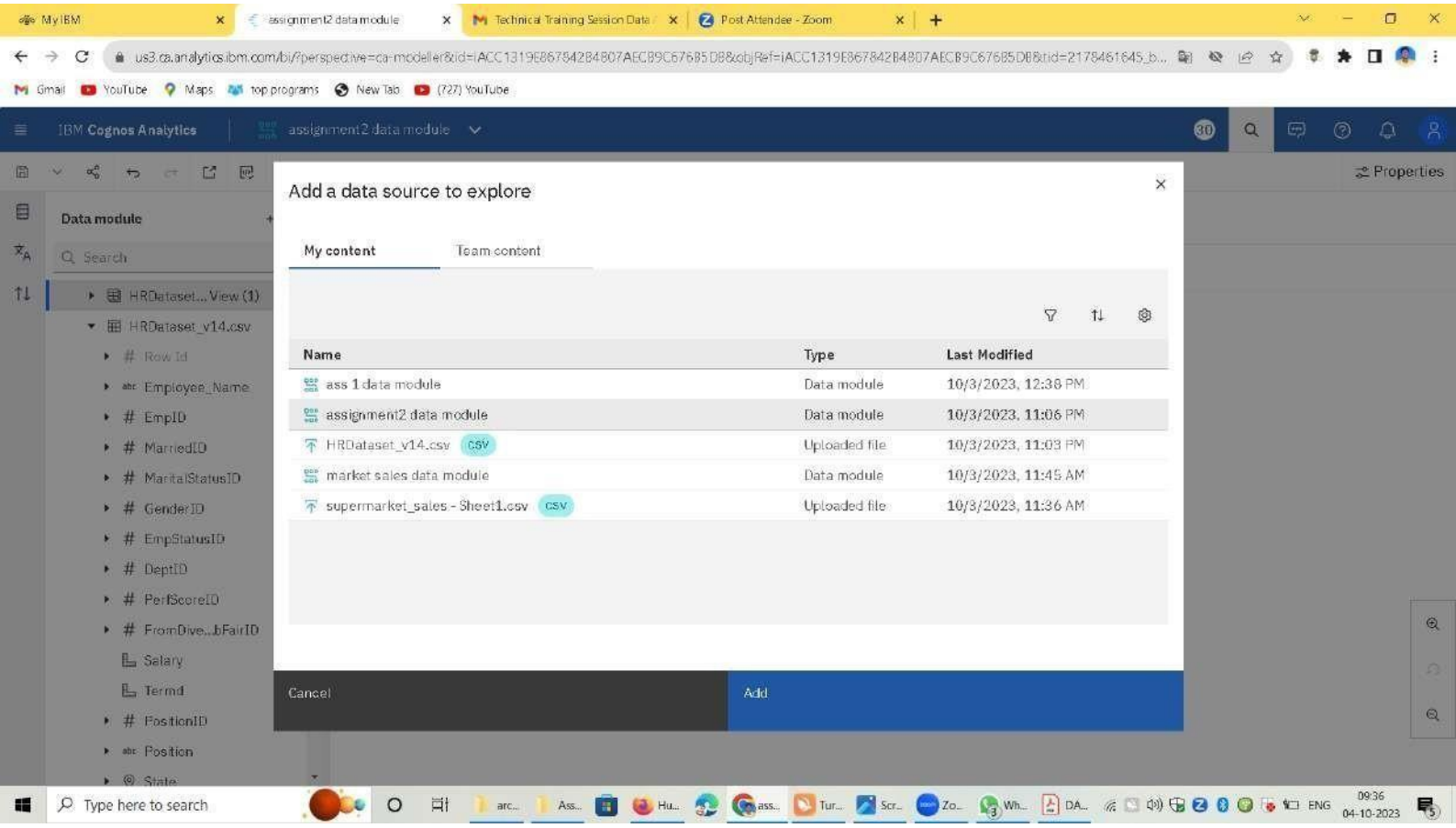
Loading data...
Type here to search
ENG
09:33
04-10-2023

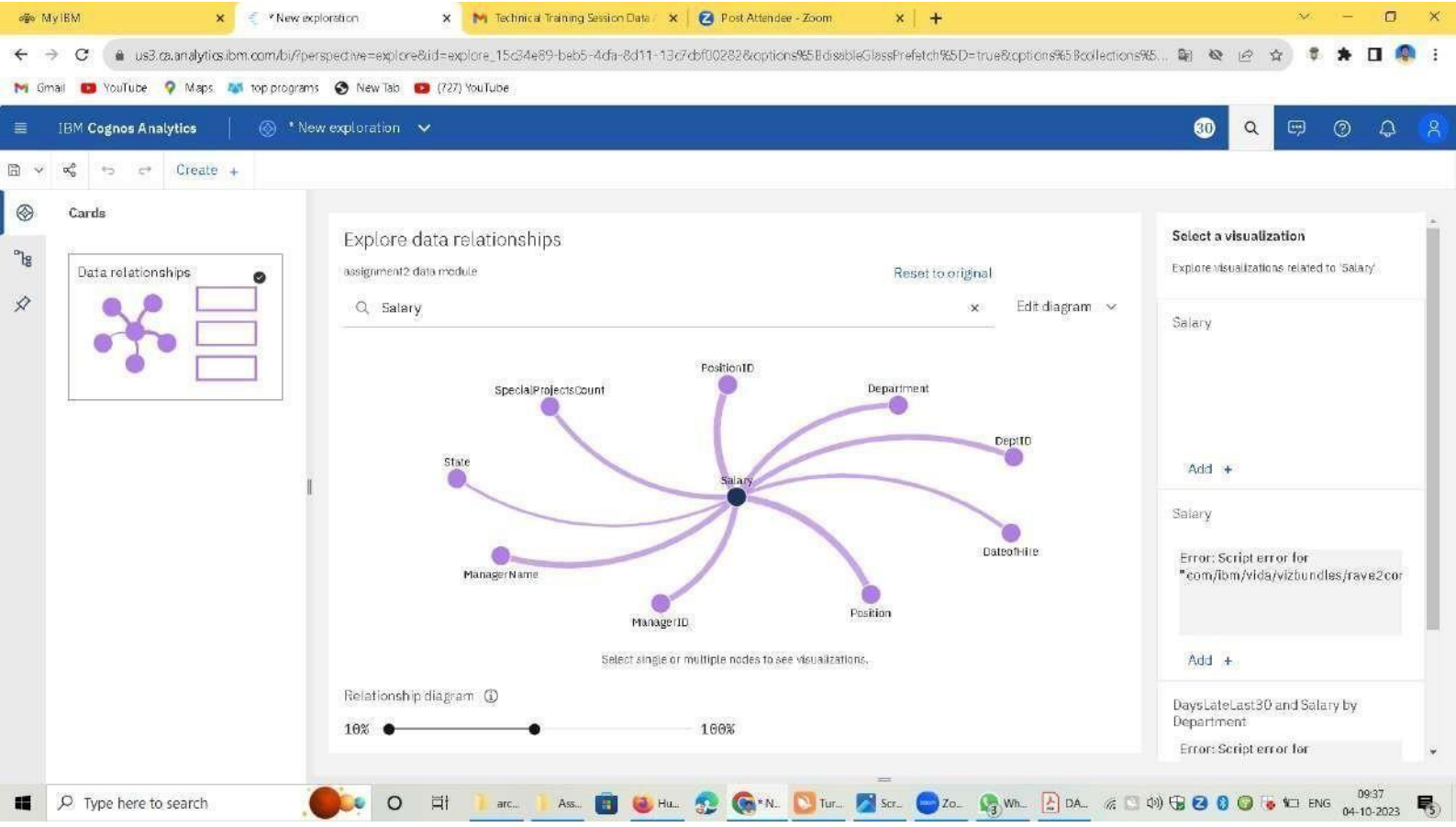

Create table
Create a custom table in the data module. This table is not added to your data source.
All tables
Search
HRDataset_v14.csv
Row Id
Employee_Name
EmpID
MarriedID
MaritalStatusID
GenderID
EmpStatusID
DeptID
PerfScoreID
FromDiversityJobFairID
Salary
Termd
PositionID
Position
State
View of tables
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.

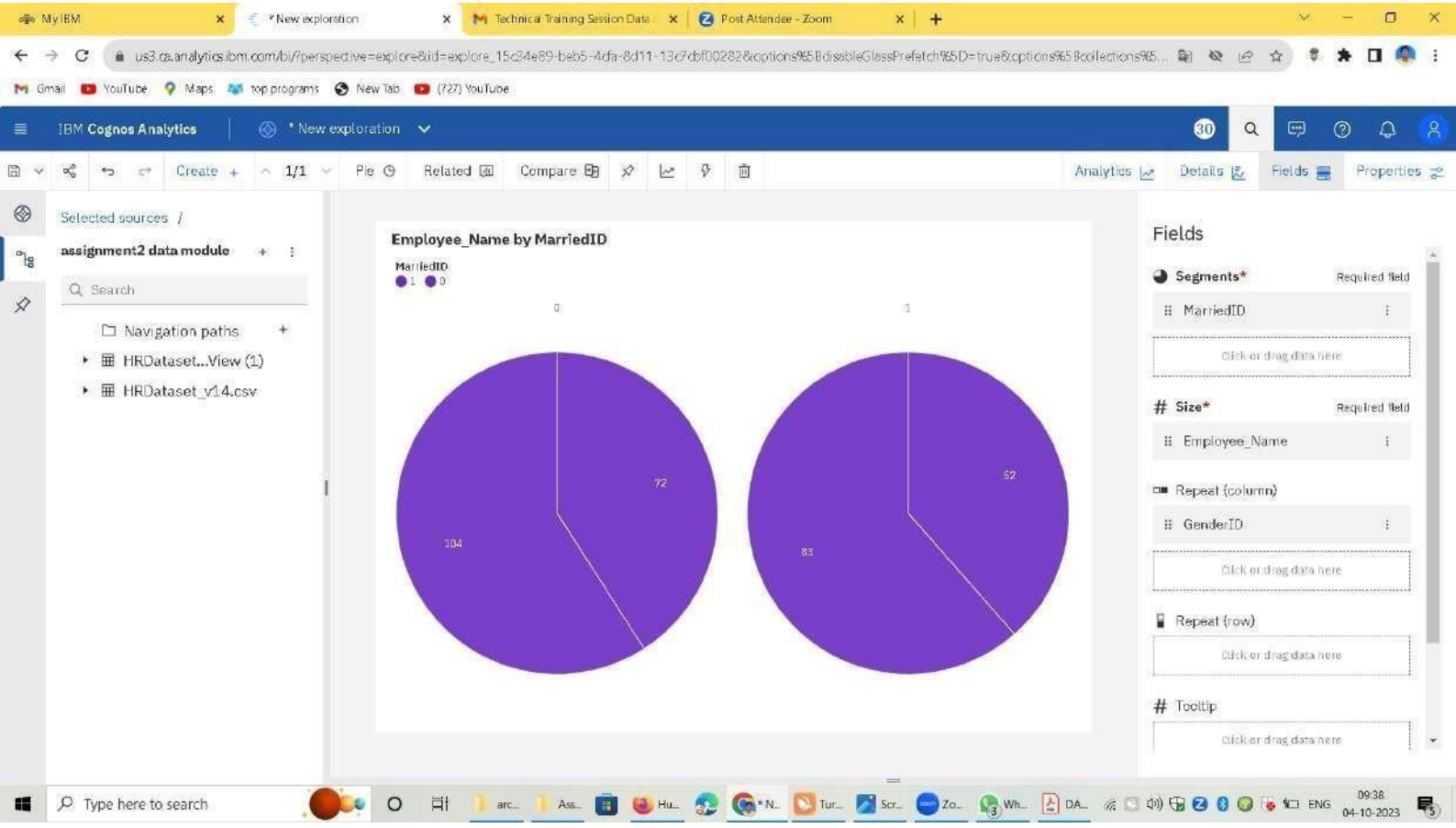

Create a view of tables
Select items to be included in the table.
Table name: HRDataset_v14.csv - View (1)
Reference tables
Search
HRDataset_v14.csv
Row Id
Employee_Name
EmpID
MarriedID
MaritalStatusID
GenderID
EmpStatusID
DeptID
PerfScoreID
FromDiver...JobFairID
Salary
Termd
PositionID
Employee_Name | EmpID | MarriedID | MaritalStatusID | GenderID | EmpStatusID
Adinolfi, Wilson K | 10026 | 0 | 0 | 1 | 1
Ait 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
Baczenski, Rachael | 10252 | 1 | 1 | 0 | 5
Barbara, Thomas | 10242 | 1 | 1 | 1 | 5


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
Termd
PositionID
Employee_Name | EmpID | MarriedID | MaritalStatusID | GenderID | EmpStatusID
Adinolfi, Wilson K | 10026 | 0 | 0 | 1 | 1
Ait 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
Baczenski, Rachael | 10252 | 1 | 1 | 0 | 5
Barbara, Thomas | 10242 | 1 | 1 | 1 | 5


IBM Cognos Analytics
* New data module
Properties
Data module
Search
Grid
Relationships
Custom tables
HRDataset_v14.csv - View (1)
HRDataset_v14.csv
HRDataset_...- View (1)
HRDataset... View (1)
HRDataset_v14.csv
Row Id
Employee_Name
EmpID
MarriedID
MaritalStatusID
GenderID
EmpStatusID
DeptID
PerfScoreID
FromDive...bFairID
Salary
Termd
PositionID
Position
State


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
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
CSV
Uploaded file
10/3/2023, 11:36 AM
Cancel
Add


Explore data relationships
assignment2 data module
Reset to original
Salary
Edit diagram
PositionID
SpecialProjectsCount
Department
DeptID
State
Salary
DateofHire
ManagerName
ManagerID
Position
Select single or multiple nodes to see visualizations.
Relationship diagram
10%
100%
Select a visualization
Explore visualizations related to 'Salary'
Add
Add
Days Late Last 30 and Salary by Department


IBM Cognos Analytics
* New exploration
Create
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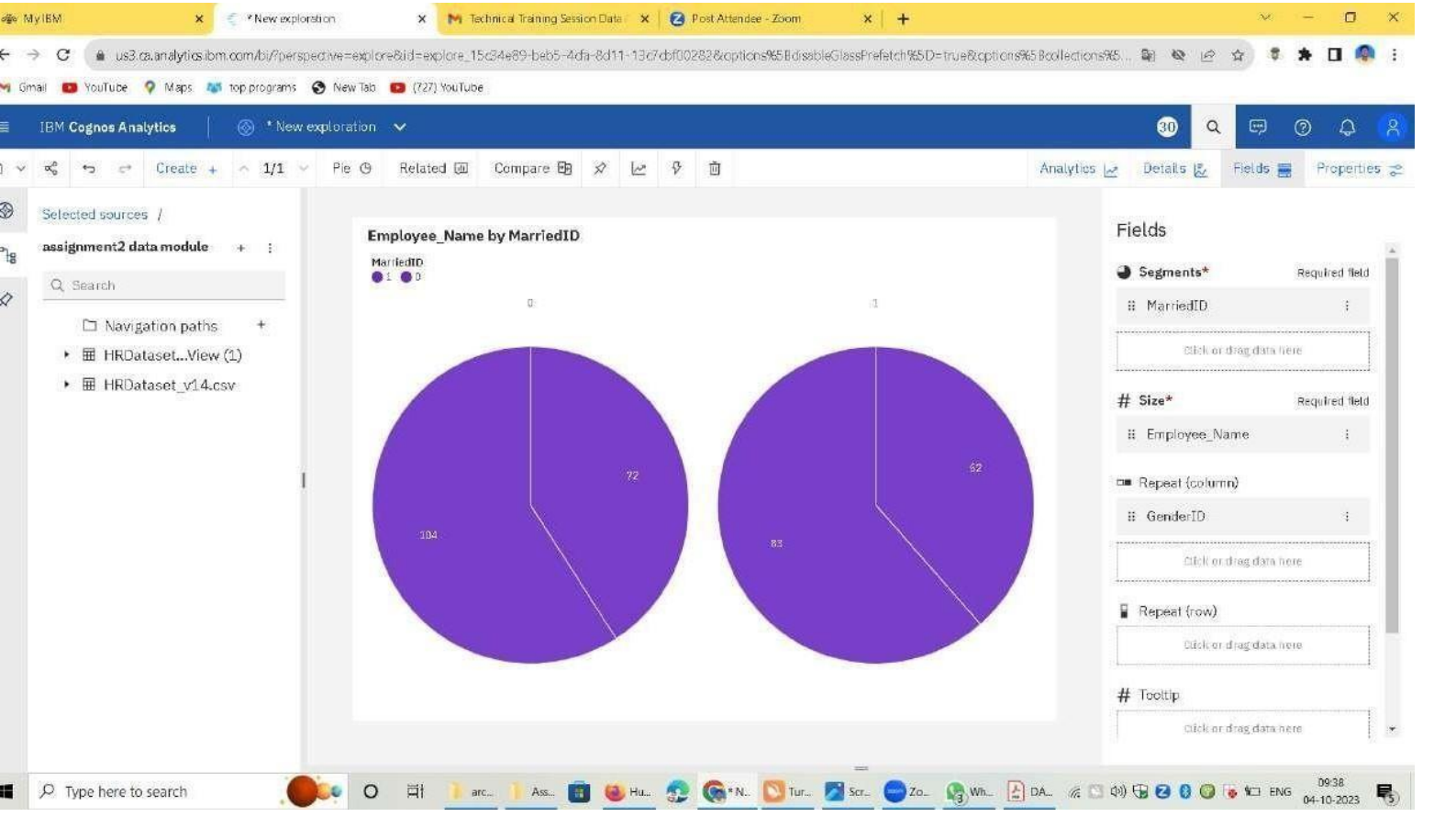
Pie
Related
Compare
Analytics
Details
Fields
Properties
Selected sources /
assignment2 data module
Search
Navigation paths
HRDataset...View (1)
HRDataset_v14.csv
Employee_Name by MarriedID
MarriedID
1
0
0
1
72
104
62
83
Fields
Segments*
Required field
MarriedID
Click or drag data here
Size*
Required field
Employee_Name
Repeat (column)
GenderID
Click or drag data here
Repeat (row)
Click or drag data here
Tooltip
Click or drag data here
Type here to search
ENG
09:38
04-10-2023


IBM Cognos Analytics
* New exploration
Create
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Related
Compare
Analytics
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Selected sources /
assignment2 data module
Search
Navigation paths
HRDataset...View (1)
HRDataset_v14.csv
Employee_Name by MarriedID
MarriedID
1
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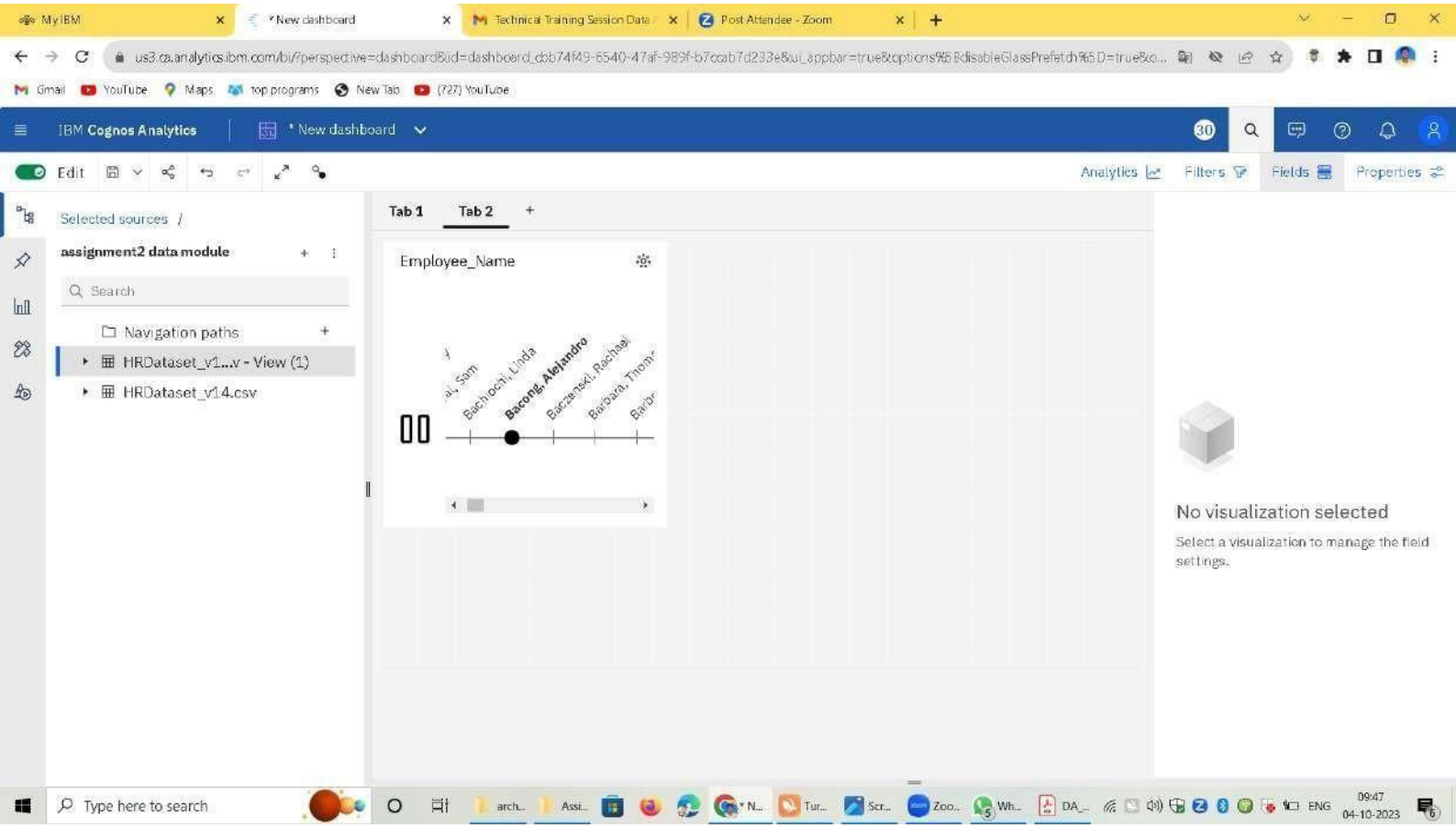
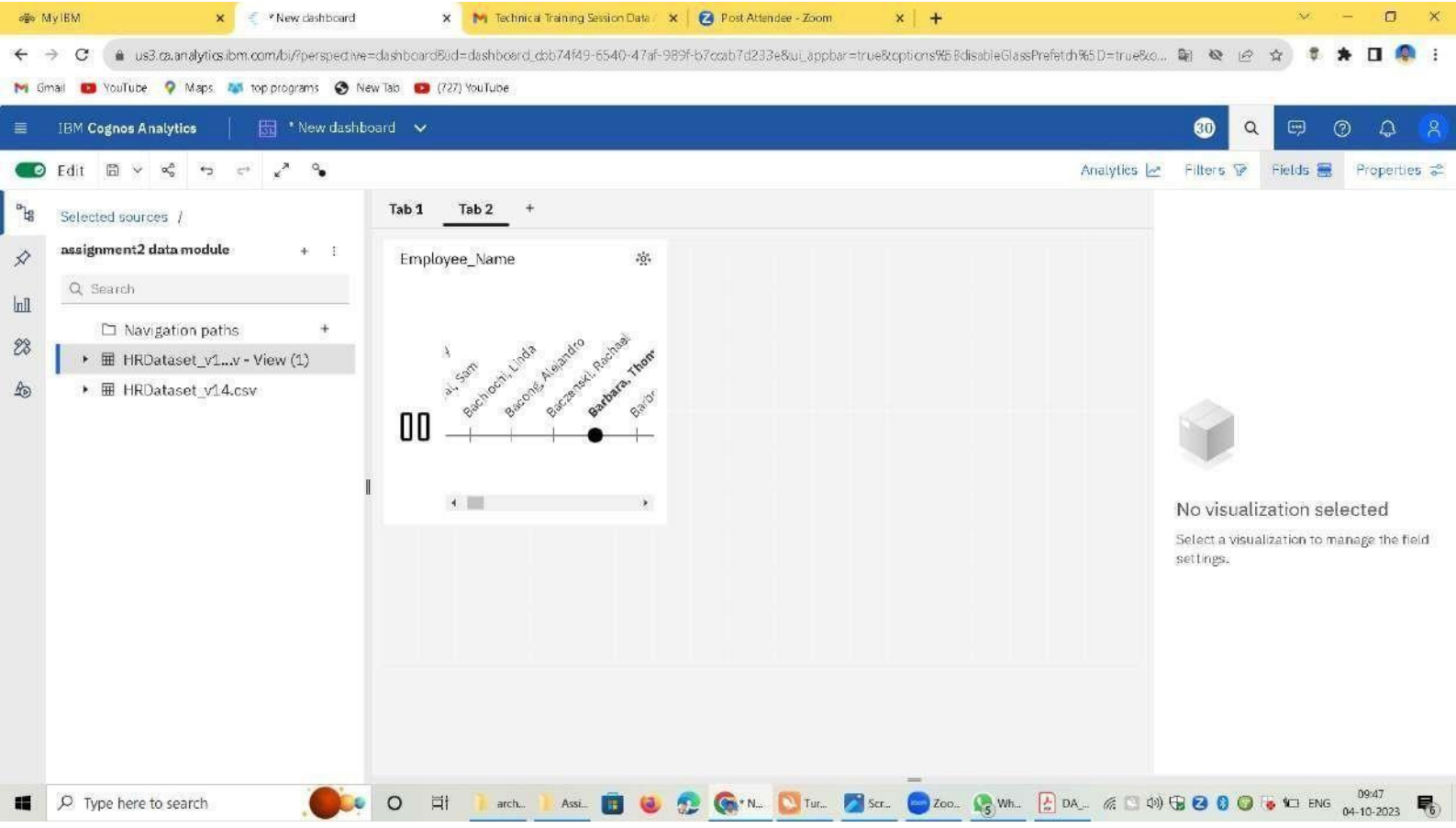
72
104
62
83
Fields
Segments*
Required field
MarriedID
Click or drag data here
Size*
Required field
Employee_Name
Repeat (column)
GenderID
Click or drag data here
Repeat (row)
Click or drag data here
Tooltip
Click or drag data here
Type here to search
ENG
09:38
04-10-2023


IBM Cognos Analytics
* New dashboard
Edit
Analytics
Filters
Fields
Properties
Selected sources /
assignment2 data module
Search
Navigation paths
HRDataset_v1...v - View (1)
HRDataset_v14.csv
Tab 1
Tab 2
Employee_Name
Bacong, Alejandro
No visualization selected
Select a visualization to manage the field settings.


IBM Cognos Analytics
* New dashboard
Edit
Analytics
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assignment2 data module
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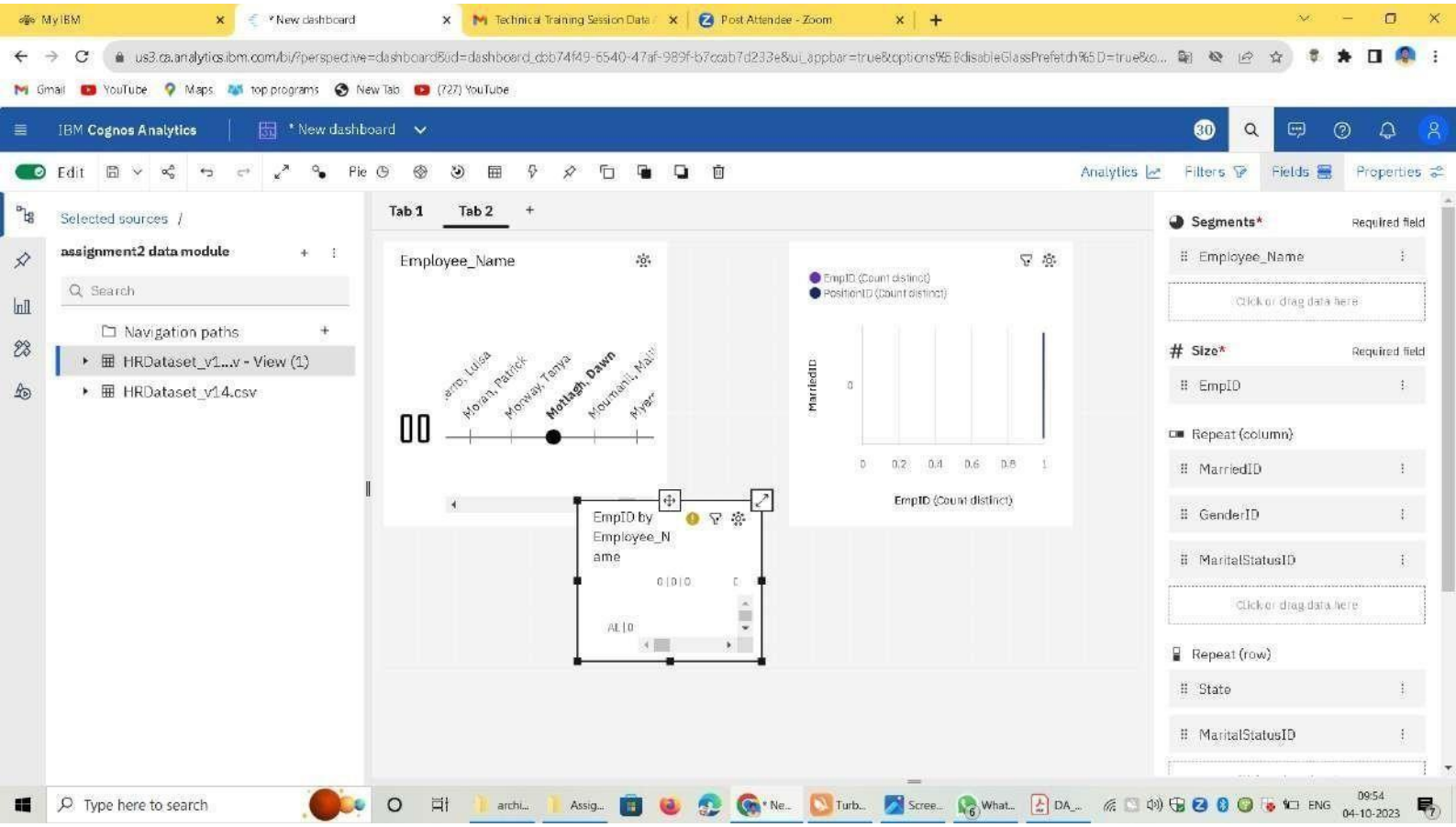
Navigation paths
HRDataset_v1...v - View (1)
HRDataset_v14.csv
Tab 1
Tab 2
Employee_Name
Barbara, Thom
No visualization selected
Select a visualization to manage the field settings.


IBM Cognos Analytics
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Properties
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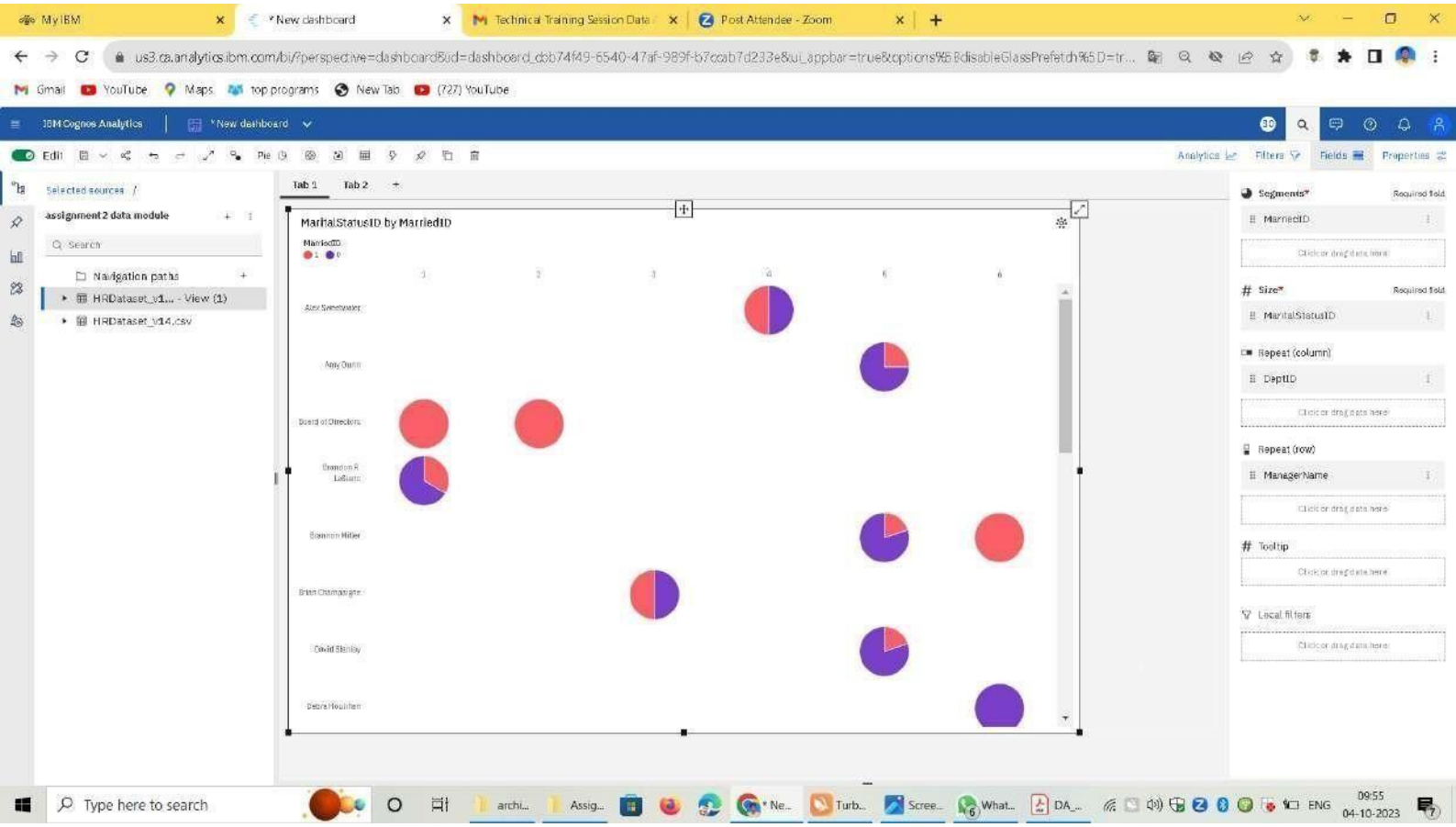
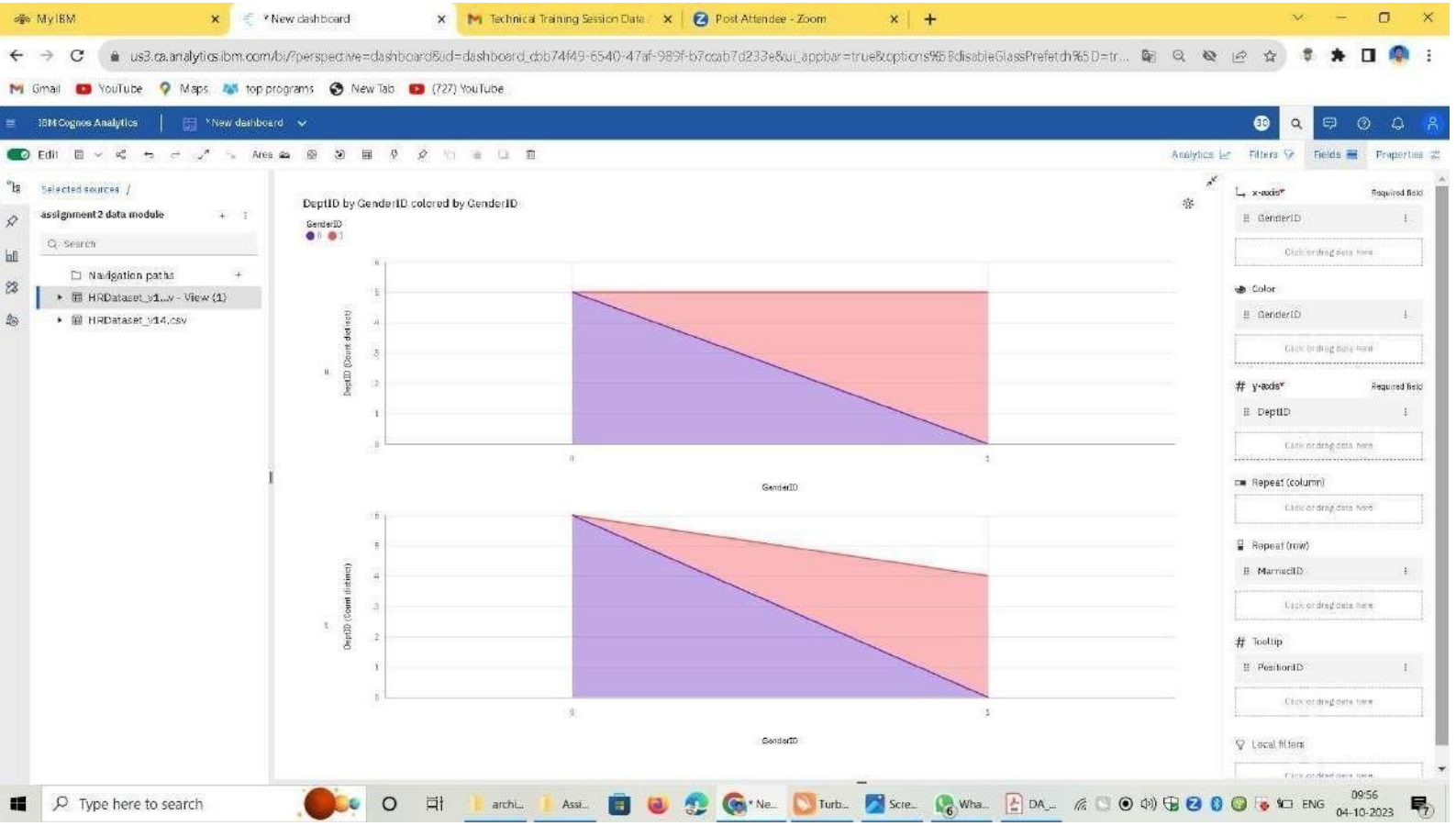
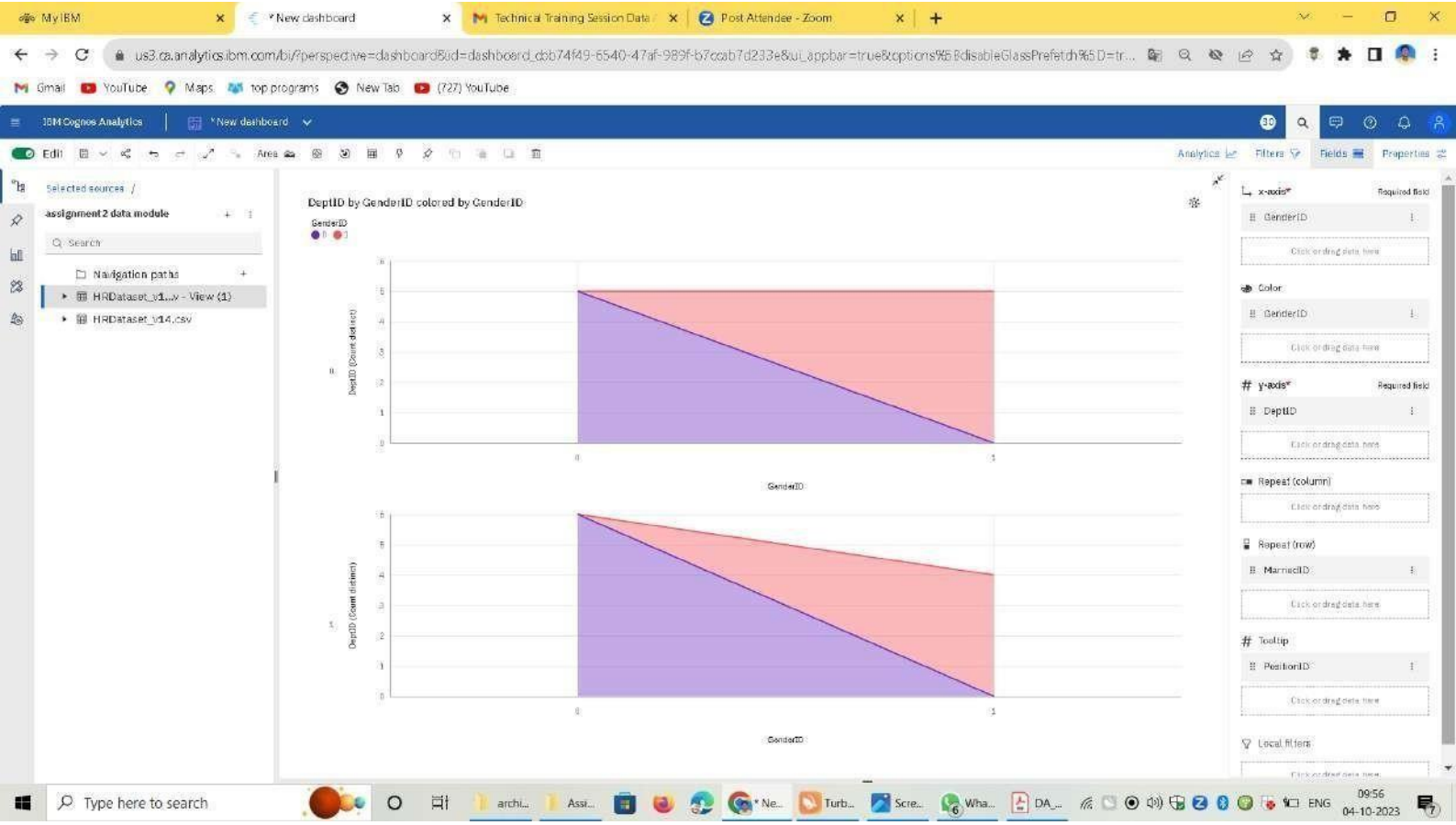
Search
Navigation paths
HRDataset_v1...v - View (1)
HRDataset_v14.csv
Tab 1
Tab 2
Employee_Name
Motlagh, Dawn
EmpID (Count distinct)
PositionID (Count distinct)
MarriedID
EmpID (Count distinct)
EmpID by Employee_Name
Segments*
Required field
Employee_Name
Click or drag data here
Size*
EmpID
Repeat (column)
MarriedID
GenderID
MaritalStatusID
Repeat (row)
State
MaritalStatusID


IBM Cognos Analytics
* New dashboard
Edit
Selected sources /
assignment2 data module
Search
Navigation paths
HRDataset_v1... - View (1)
HRDataset_v14.csv
Tab 1
Tab 2
MaritalStatusID by MarriedID
Segments*
MarriedID
Size*
MaritalStatusID
Repeat (column)
DeptID
Repeat (row)
ManagerName
Tooltip
Local filters


My IBM
*New dashboard
Technical Training Session Data
Post Attendee - Zoom
IBM Cognos Analytics
*New dashboard
Edit
Analytics
Filters
Fields
Properties
Selected sources
assignment 2 data module
Search
Navigation paths
HRDataset_v1...v - View (1)
HRDataset_v14.csv
DeptID by GenderID colored by GenderID
GenderID
DeptID (Count distinct)
x-axis*
Required field
Color
y-axis*
Repeat (column)
Repeat (row)
MaritalID
Tooltip
PositionID
Local filters
Type here to search
ENG
09:56
04-10-2023


My IBM
*New dashboard
Technical Training Session Data
Post Attendee - Zoom
IBM Cognos Analytics
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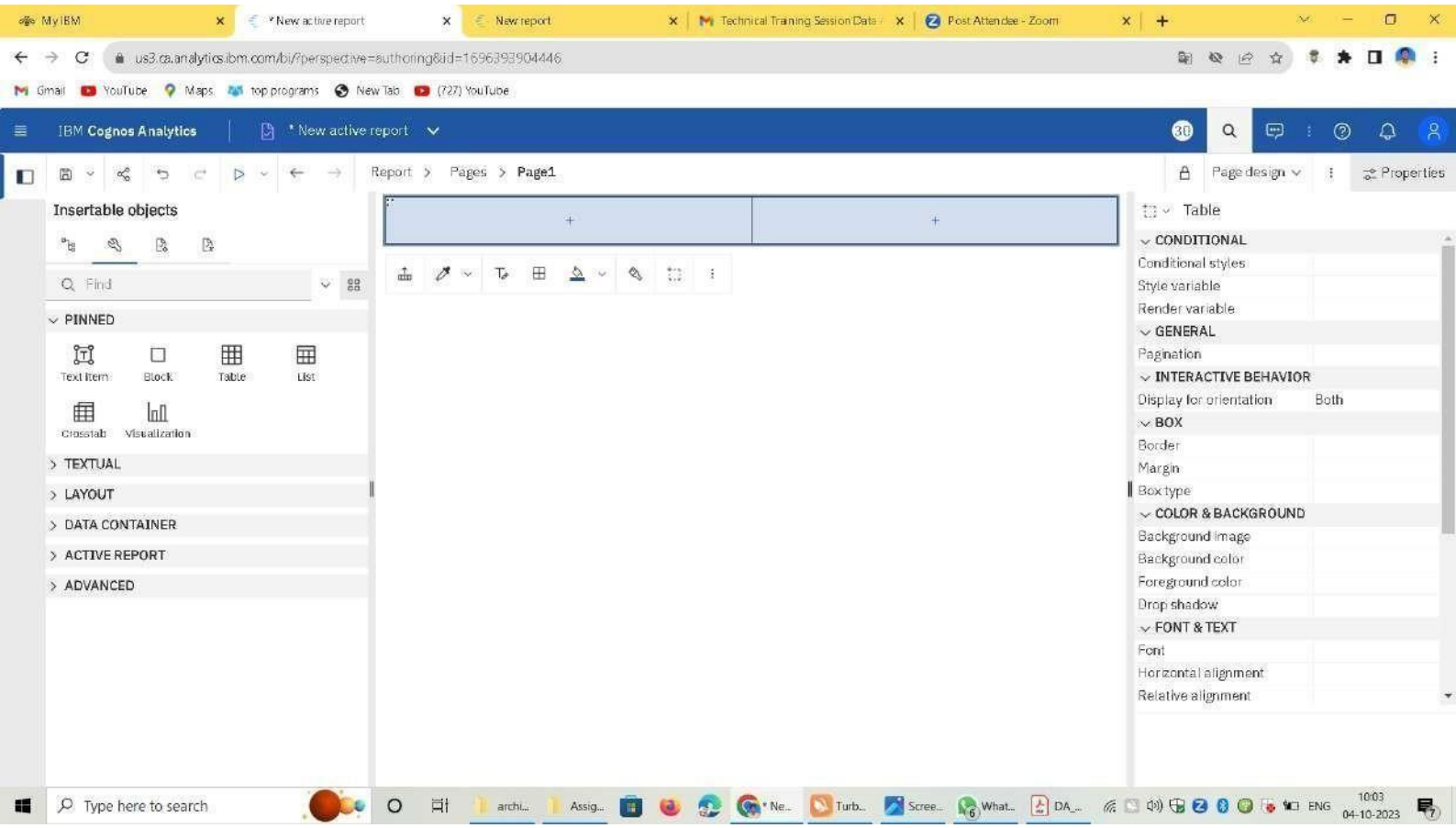
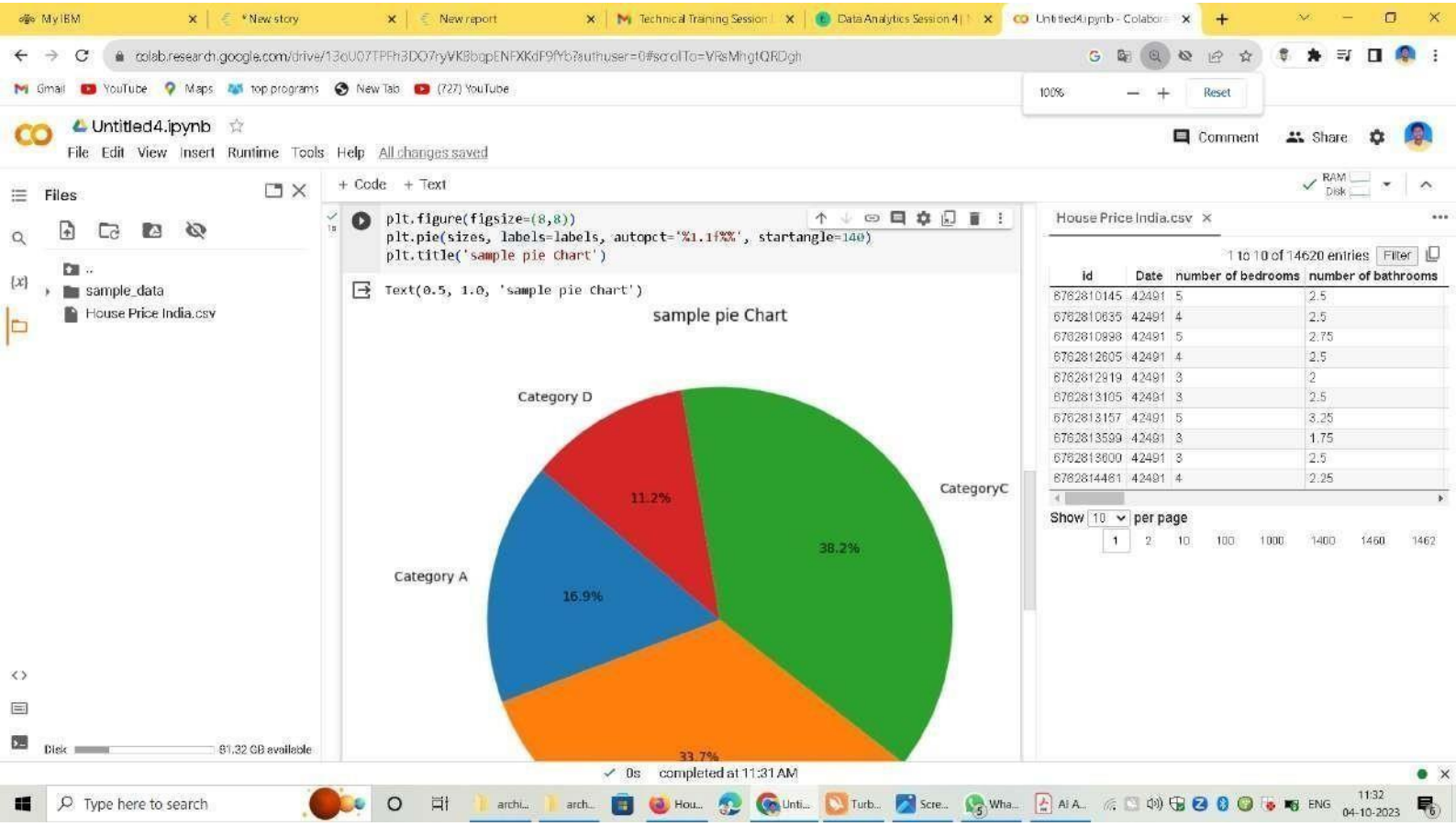
Edit
Analytics
Filters
Fields
Properties
Selected sources
assignment 2 data module
Search
Navigation paths
HRDataset_v1...v - View (1)
HRDataset_v14.csv
DeptID by GenderID colored by GenderID
GenderID
DeptID (Count distinct)
x-axis*
Required field
Color
y-axis*
Repeat (column)
Repeat (row)
MaritalID
Tooltip
PositionID
Local filters
Type here to search
ENG
09:56
04-10-2023


IBM Cognos Analytics
* New active report
Report > Pages > Page1
Page design
Properties
Insertable objects
Find
PINNED
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


Untitled4.ipynb
File Edit View Insert Runtime Tools Help All changes saved
Comment
Share
Files
sample_data
House Price India.csv
+ Code + Text
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 D
CategoryC
Category A
11.2%
38.2%
16.9%
33.7%
House Price India.csv
1 to 10 of 14620 entries
Filter
id
Date
number of bedrooms
number of bathrooms
6762810145 42491 5 2.5
6762810635 42491 4 2.5
6762810998 42491 5 2.75
6762812605 42491 4 2.5
6762812919 42491 3 2
6762813105 42491 3 2.5
6762813157 42491 5 3.25
6762813599 42491 3 1.75
6762813600 42491 3 2.5
6762814461 42491 4 2.25
Show 10 per page
1 2 10 100 1000 1400 1460 1462
Disk 81.32 GB available
0s completed at 11:31 AM

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

colab.research.google.com/drive/13oU07TPPh3DO7ryVKBbqpENFXKdF9fYb?authuser=0#scrollTo=0R253h7LSA6Q

Gmail YouTube Maps top programs New Tab (727) YouTube

Untitled4.ipynb

File Edit View Insert Runtime Tools Help All changes saved

Comment Share

Files

..
sample_data
House Price India.csv

Disk 81.32 GB available

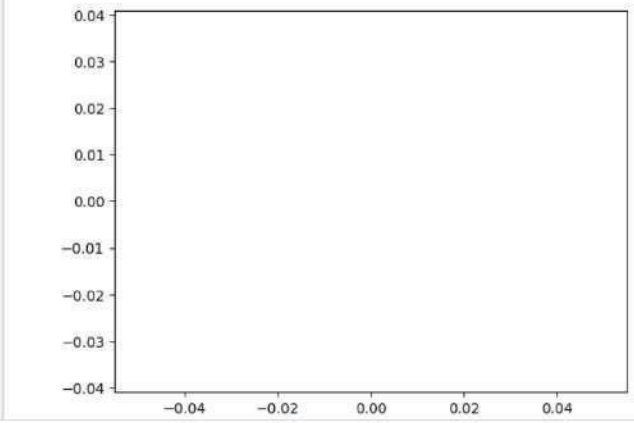
+ Code + Text

RAM Disk

[9]

CategoryB

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



1s completed at 11:33 AM

House Price India.csv

1 to 10 of 14620 entries Filter

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6762810635	42491	4	2.5
6762810998	42491	5	2.75
6762812605	42491	4	2.5
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6762813105	42491	3	2.5
6762813157	42491	5	3.25
6762813599	42491	3	1.75
6762813600	42491	3	2.5
6762814461	42491	4	2.25

Show 10 per page

1 2 10 100 1000 1400 1460 1462

Type here to search

ENG 11:33 04-10-2023