PROJECT DEVELOPMENT PHASE
DELIVERY OF SPRINT - 1

Team Id	PNT2022TMID44120
Project Name	Analytics for Hospitals' Health-Care Data

Team Members:

- Srikamatchi M(TL)
- Vinodhini G
- Meenasri N
- Rasika D

SPRINT-I

Registration
Data Uploading

SPRINT-II

Data Analysis
Dashboard

SPRINT-III

Story Creation

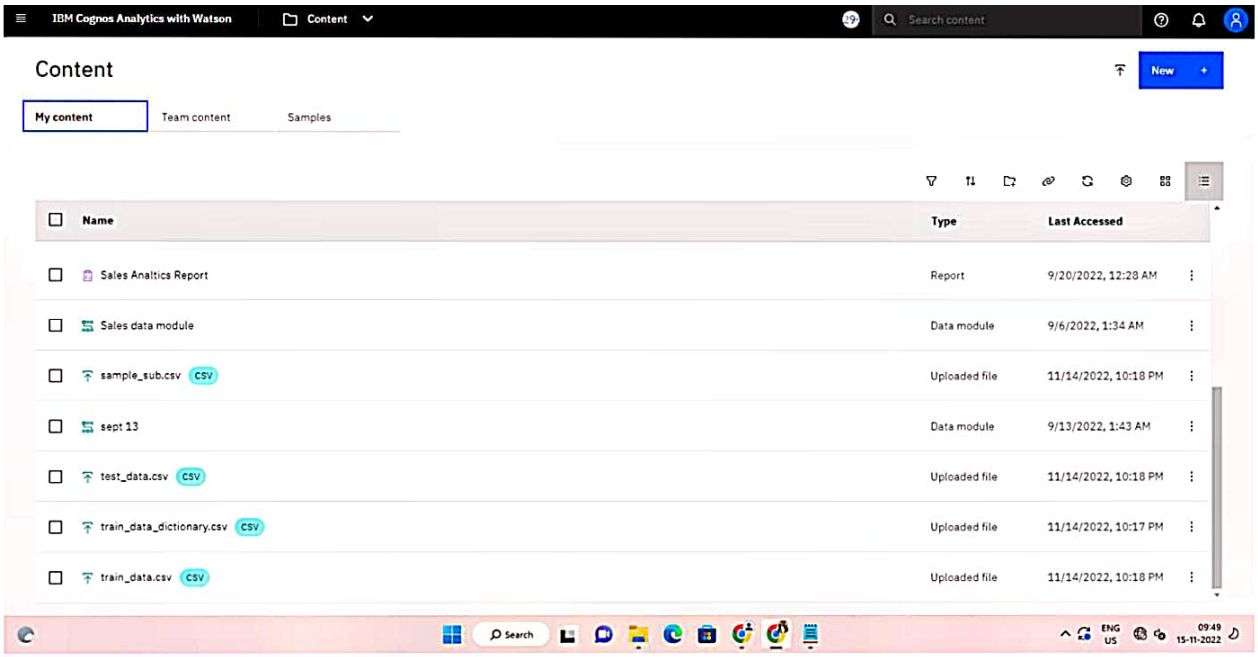
SPRINT-IV

Report Creation

Importing Data Sets of Analytics for Hospitals Health Care Data Using CognosAnalysis:

USN-1:

- As a User I can enter the details of the patients working in our organization of the details.
- Uploading the dataset of test_data.csv and train_data.csv file to IBM Cognos Analytics.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Content
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My content
Team content
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Type
Last Accessed
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Sales data module
Data module
9/6/2022, 1:34 AM
sample_sub.csv
CSV
Uploaded file
11/14/2022, 10:18 PM
sept 13
Data module
9/13/2022, 1:43 AM
test_data.csv
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CSV
Uploaded file
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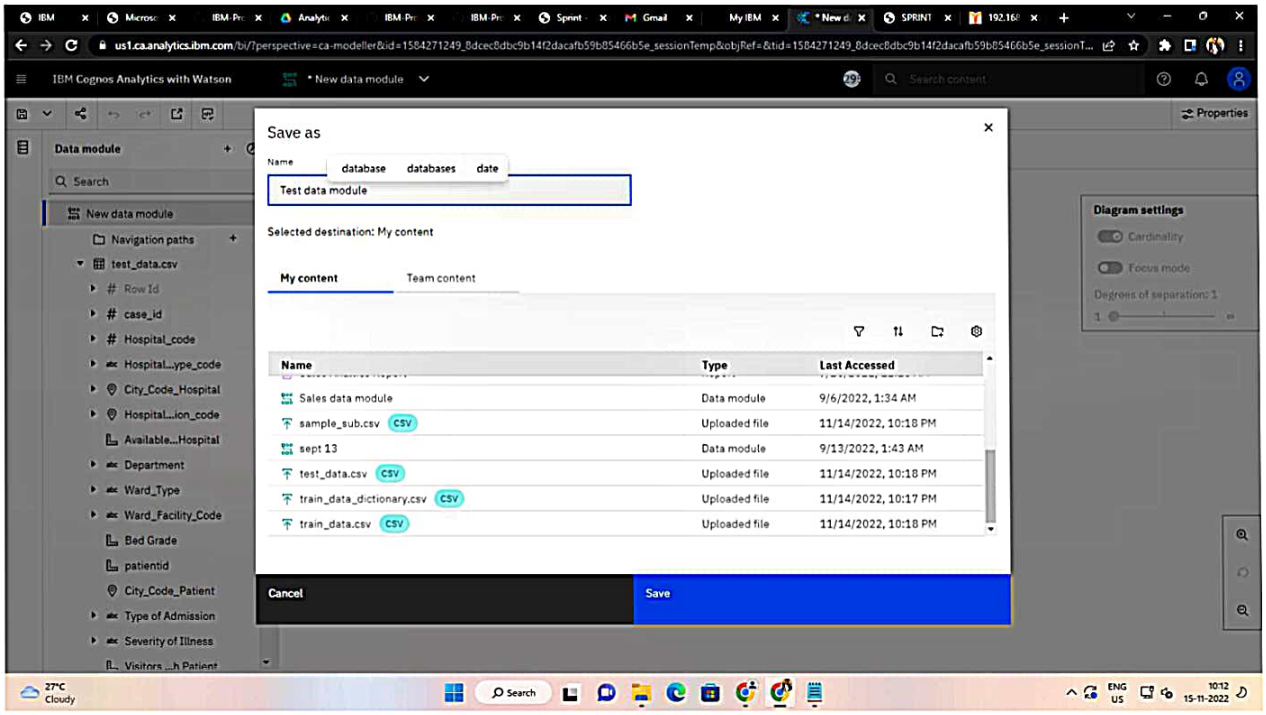
15-11-2022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Save as
Name
database
databases
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Test data module
Selected destination: My content
My content
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Sales data module
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train_data.csv
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Navigation paths
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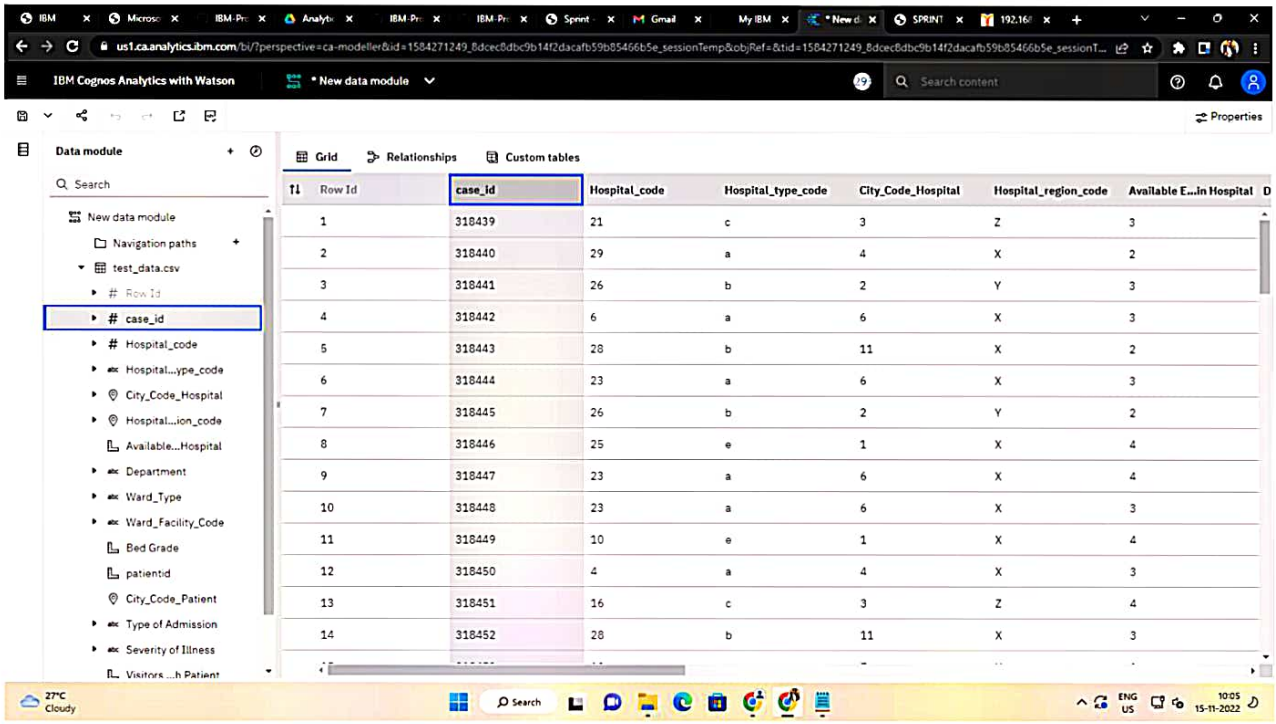
Diagram settings
Cardinality
Focus mode
Properties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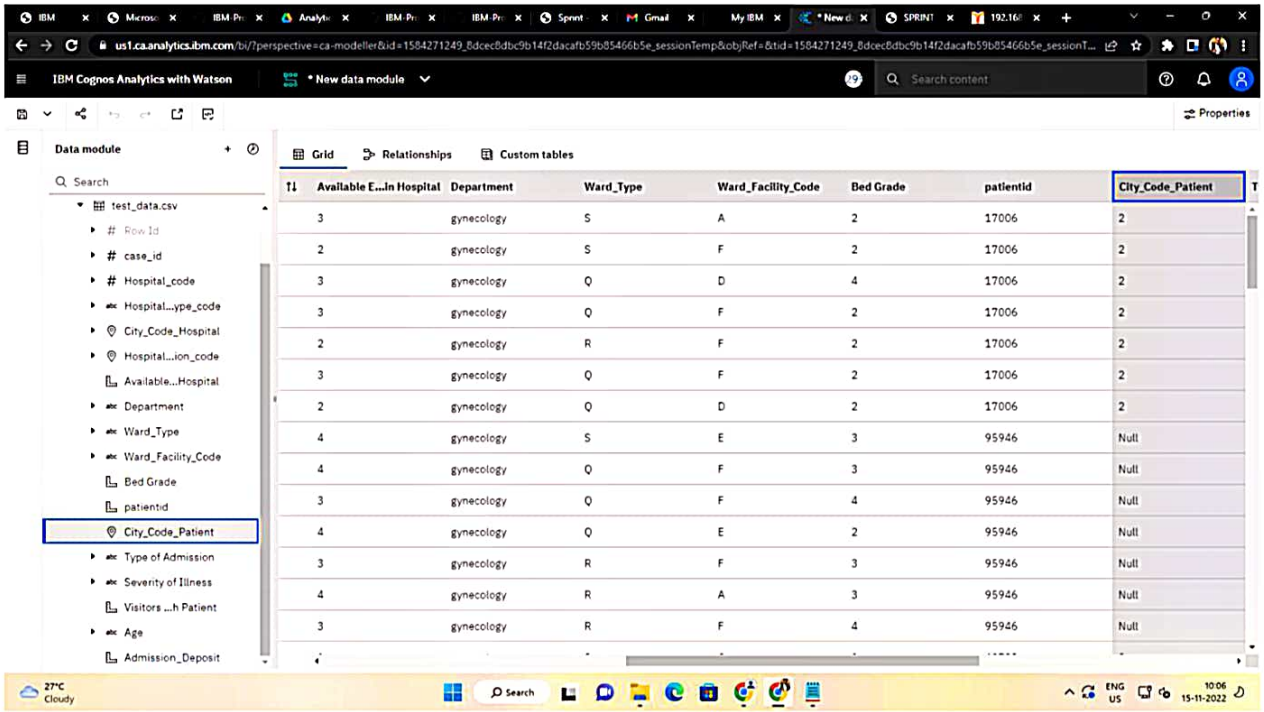
Available...Hospital
Department
Ward_Type
Ward_Facility_Code
Bed Grade
patientid
City_Code_Patient
Type of Admission
Severity of Illness
Visitors ...h Patient
Grid
Relationships
Custom tables
Row Id
case_id
Hospital_code
Hospital_type_code
City_Code_Hospital
Hospital_region_code
Available E...in Hospital
1 318439 21 c 3 Z 3
2 318440 29 a 4 X 2
3 318441 26 b 2 Y 3
4 318442 6 a 6 X 3
5 318443 28 b 11 X 2
6 318444 23 a 6 X 3
7 318445 26 b 2 Y 2
8 318446 25 e 1 X 4
9 318447 23 a 6 X 4
10 318448 23 a 6 X 3
11 318449 10 e 1 X 4
12 318450 4 a 4 X 3
13 318451 16 c 3 Z 4
14 318452 28 b 11 X 3
27°C
Cloudy
Search
ENG
US
10:05
15-11-2022

Data Cleaning and Data Processing using Cognos

Analytics:USN-2:

- As an Analyst, I will check the data set and clean the dataset to create an efficient model.
- To Data cleaning the null values in test_data.csv dataset first.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Ward_Type
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Type of Admission
Severity of Illness
Visitors ...h Patient
Age
Admission_Deposit
Grid
Relationships
Custom tables
Available E...In Hospital
Department
Ward_Type
Ward_Facility_Code
Bed Grade
patientid
City_Code_Patient
3 gynecology S A 2 17006 2
2 gynecology S F 2 17006 2
3 gynecology Q D 4 17006 2
3 gynecology Q F 2 17006 2
2 gynecology R F 2 17006 2
3 gynecology Q F 2 17006 2
2 gynecology Q D 2 17006 2
4 gynecology S E 3 95946 Null
4 gynecology Q F 3 95946 Null
3 gynecology Q F 4 95946 Null
4 gynecology Q E 2 95946 Null
3 gynecology R F 3 95946 Null
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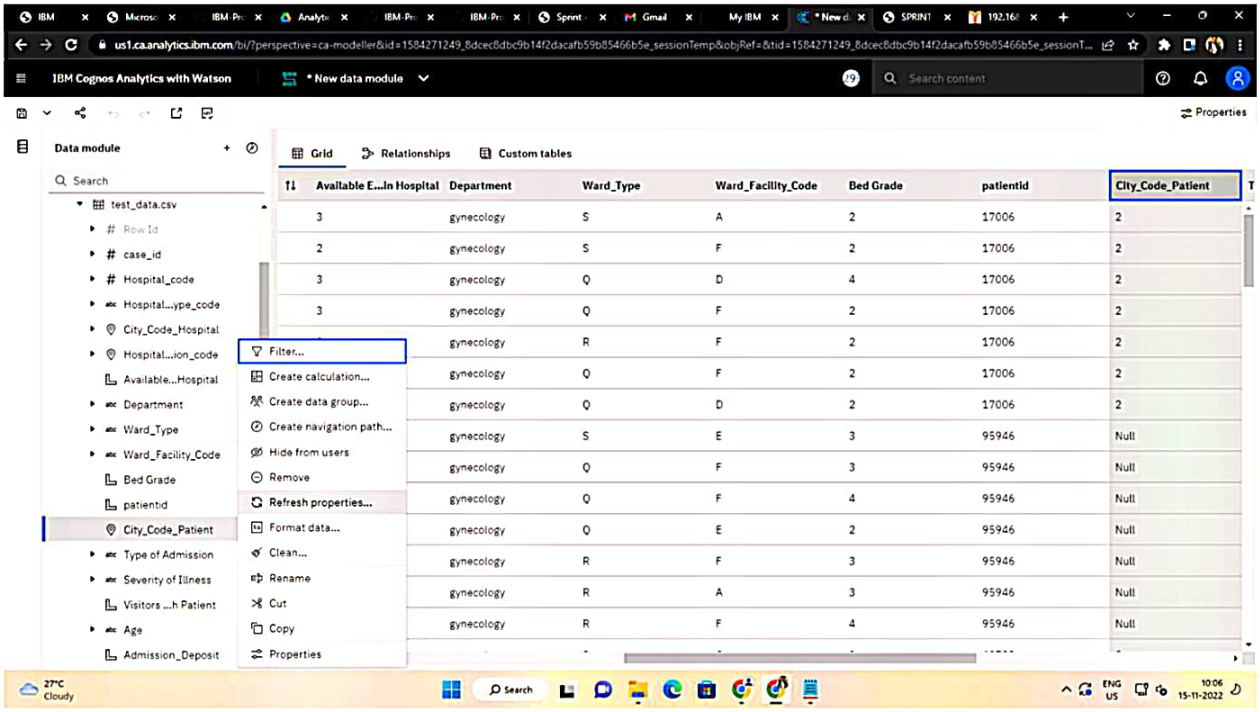
10:06
15-11-2022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Ward_Type
Ward_Facility_Code
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Type of Admission
Severity of Illness
Visitors ...h Patient
Age
Admission_Deposit
Filter...
Create calculation...
Create data group...
Create navigation path...
Hide from users
Remove
Refresh properties...
Format data...
Clean...
Rename
Cut
Copy
Properties
Available E...In Hospital
Department
Ward_Type
Ward_Facility_Code
Bed Grade
patientid
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ENG US
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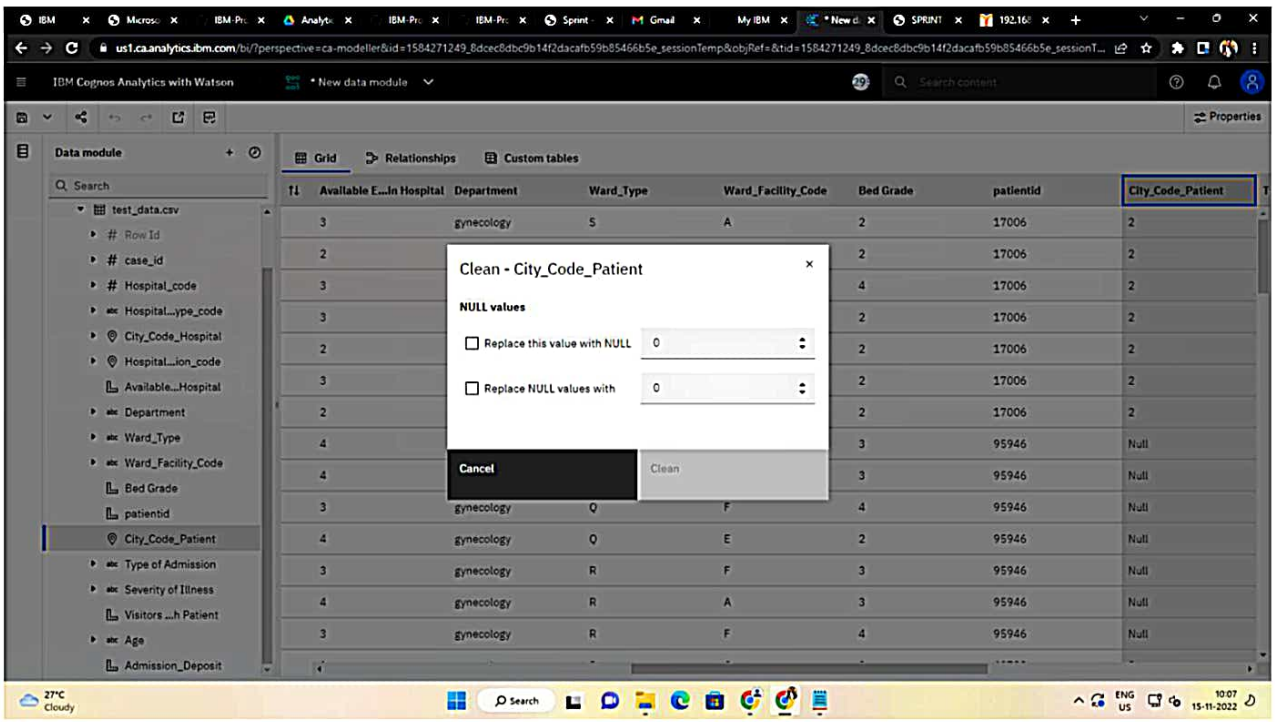
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Ward_Facility_Code
Bed Grade
patientid
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Type of Admission
Severity of Illness
Visitors ...h Patient
Age
Admission_Deposit
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Custom tables
Available E...In Hospital
Department
Ward_Type
Ward_Facility_Code
Bed Grade
patientid
City_Code_Patient
Clean - City_Code_Patient
NULL values
Replace this value with NULL
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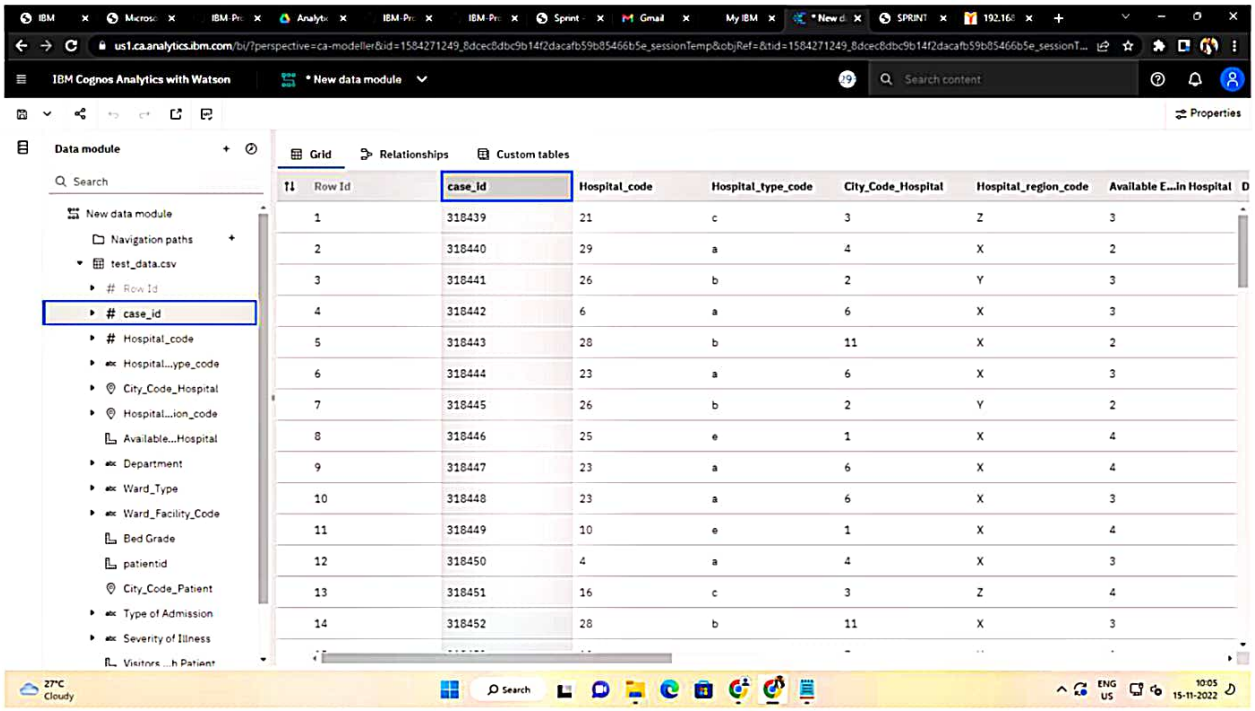
Replace NULL values with
0
Cancel
Clean
27°C
Cloudy
Search
ENG
US
10:07
15-11-2022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12 318450 4 a 4 X 3
13 318451 16 c 3 Z 4
14 318452 28 b 11 X 3
27°C
Cloudy
Search
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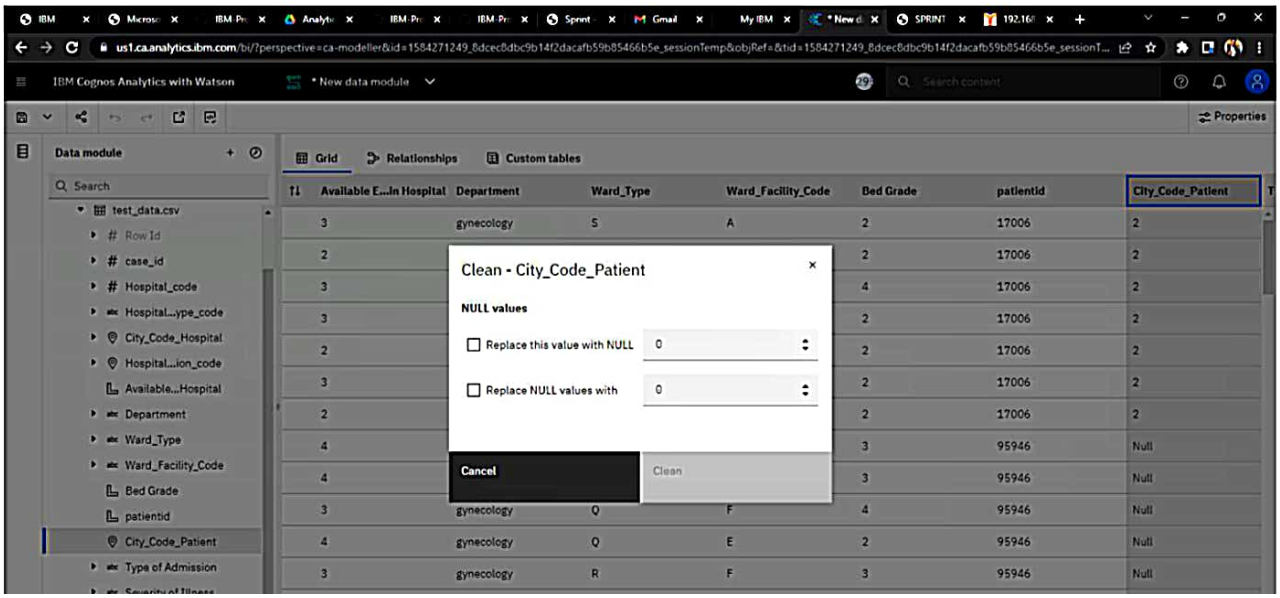
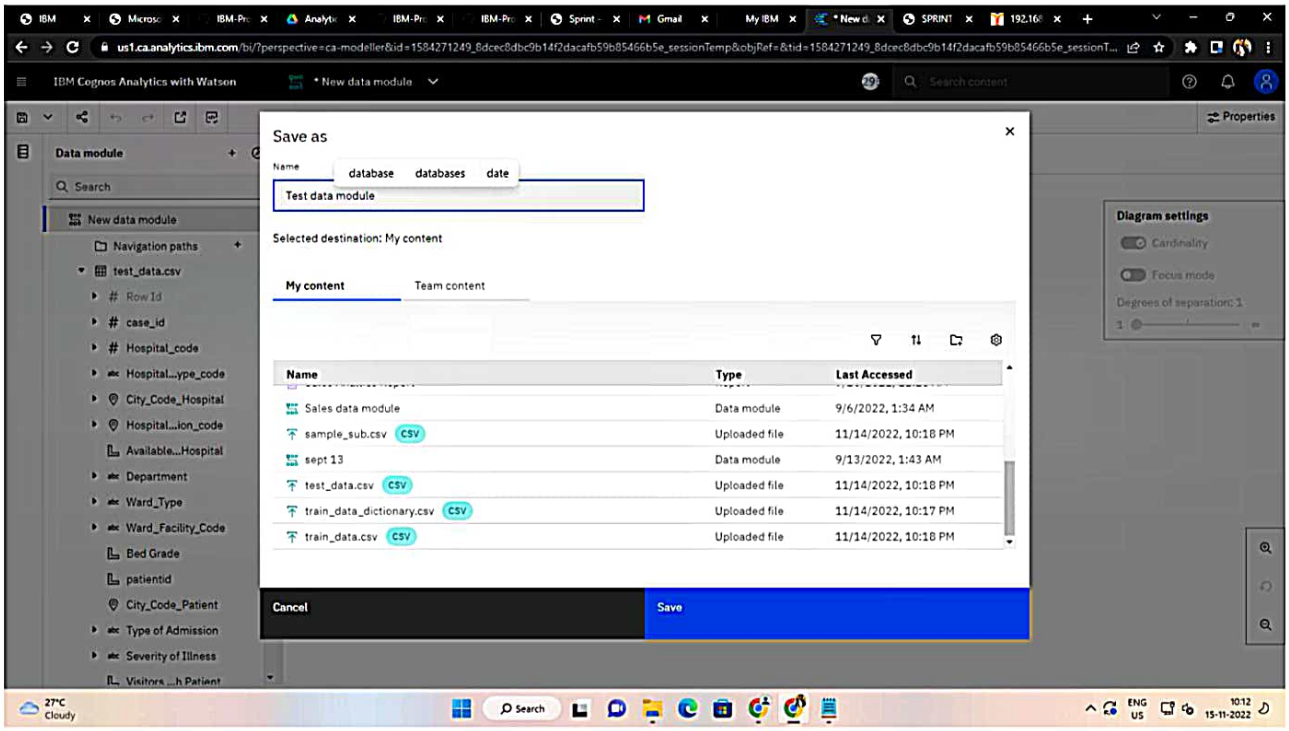
15-11-2022

- To Data cleaning the null values in train_data.csv dataset.

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Test data module
Selected destination: My content
My content
Team content
Name
Type
Last Accessed
Sales data module
Data module
9/6/2022, 1:34 AM
sample_sub.csv
CSV
Uploaded file
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sept 13
Data module
9/13/2022, 1:43 AM
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CSV
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train_data_dictionary.csv
CSV
Uploaded file
11/14/2022, 10:17 PM
train_data.csv
CSV
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Cancel
Save
Data module
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Navigation paths
test_data.csv
Properties
Diagram settings
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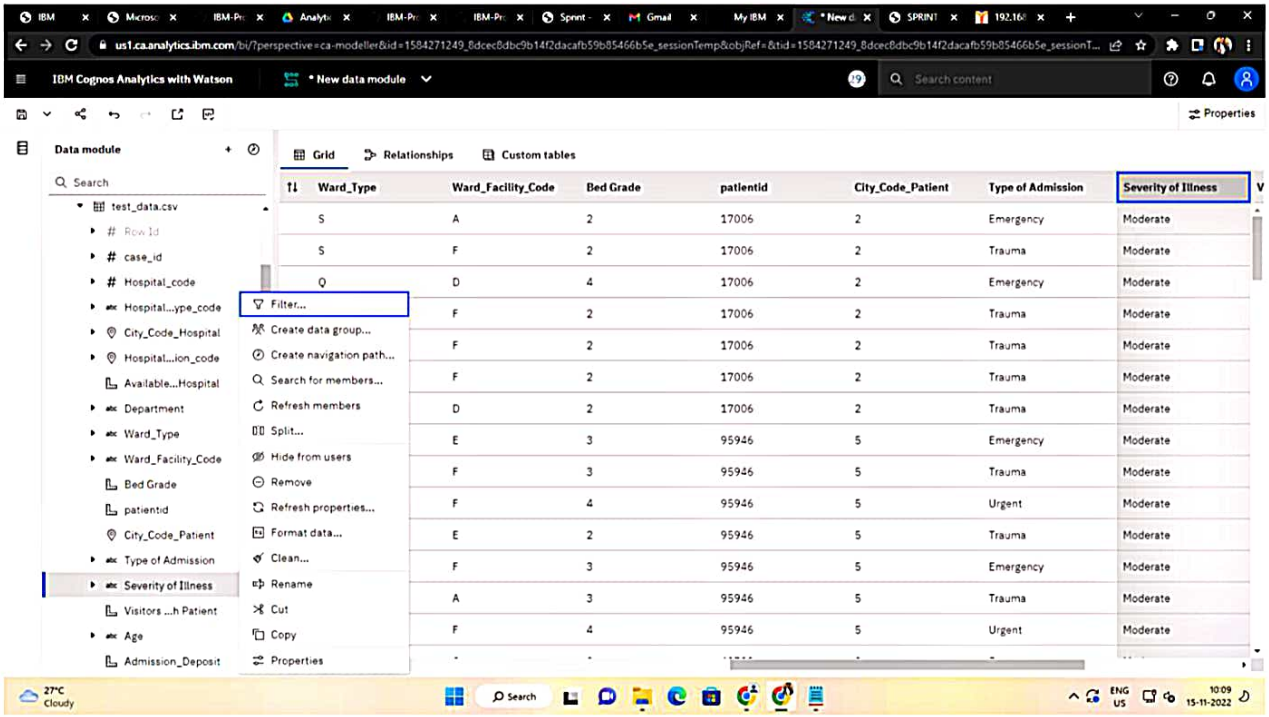
Focus mode
Degrees of separation: 1


IBM Cognos Analytics with Watson
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Hospital...ion_code
Available...Hospital
Department
Ward_Type
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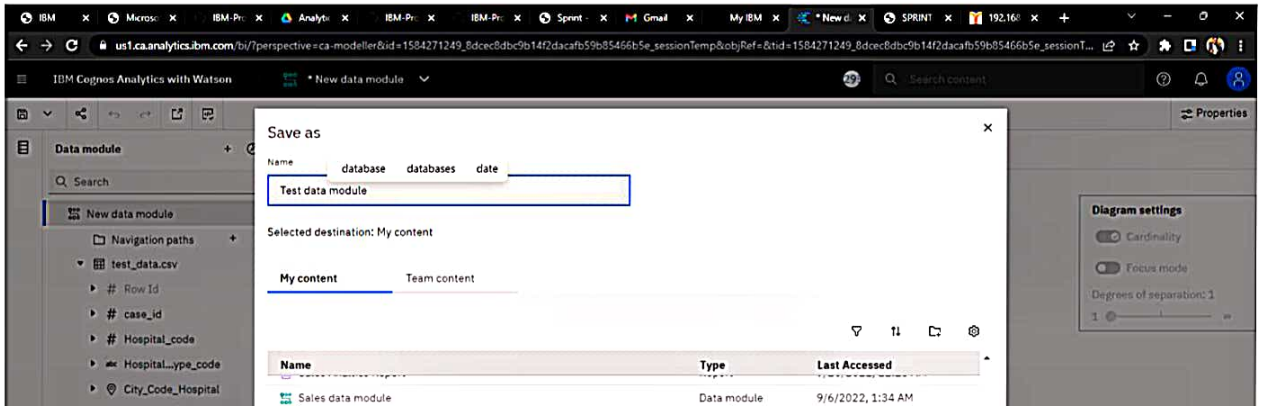
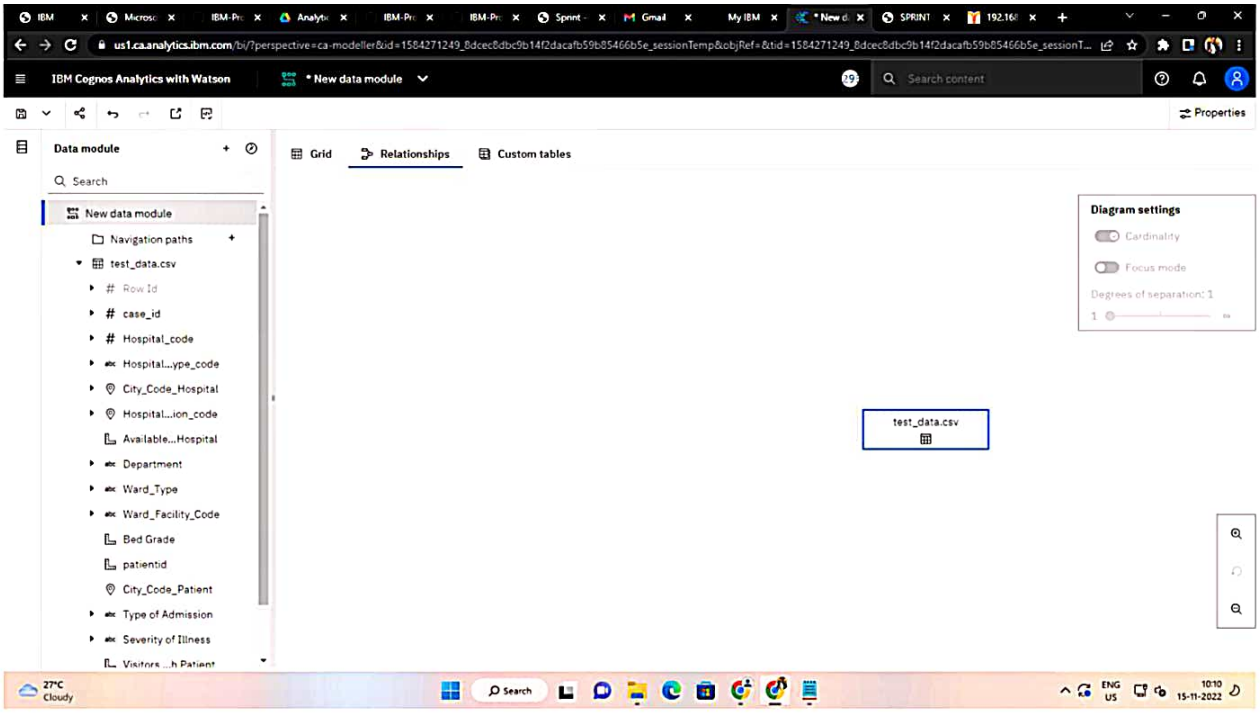
Bed Grade
patientid
City_Code_Patient
Type of Admission
Severity of Illness
Visitors ...h Patient
Age
Admission_Deposit
Filter...
Create data group...
Create navigation path...
Search for members...
Refresh members
Split...
Hide from users
Remove
Refresh properties...
Format data...
Clean...
Rename
Cut
Copy
Properties
Grid
Relationships
Custom tables
Ward_Type
Ward_Facility_Code
Bed Grade
patientid
City_Code_Patient
Type of Admission
Severity of Illness
S A 2 17006 2 Emergency Moderate
S F 2 17006 2 Trauma Moderate
Q D 4 17006 2 Emergency Moderate
F 2 17006 2 Trauma Moderate
F 2 17006 2 Trauma Moderate
F 2 17006 2 Trauma Moderate
D 2 17006 2 Trauma Moderate
E 3 95946 5 Emergency Moderate
F 3 95946 5 Trauma Moderate
F 4 95946 5 Urgent Moderate
E 2 95946 5 Trauma Moderate
F 3 95946 5 Emergency Moderate
A 3 95946 5 Trauma Moderate
F 4 95946 5 Urgent Moderate
27°C
Cloudy
Search
ENG
US
10:09
15-11-2022

Creating The Data Module using Cognos Analytics:USN-3:

- As an Analyst I will also correct the raw data and create a data module.
- I will Create the data module using test_data.csv dataset first.




IBM Cognos Analytics with Watson
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Properties
Data module
Search
New data module
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test_data.csv
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case_id
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Ward_Facility_Code
Bed Grade
patientid
City_Code_Patient
Type of Admission
Severity of Illness
Grid
Relationships
Custom tables
Diagram settings
Cardinality
Focus mode
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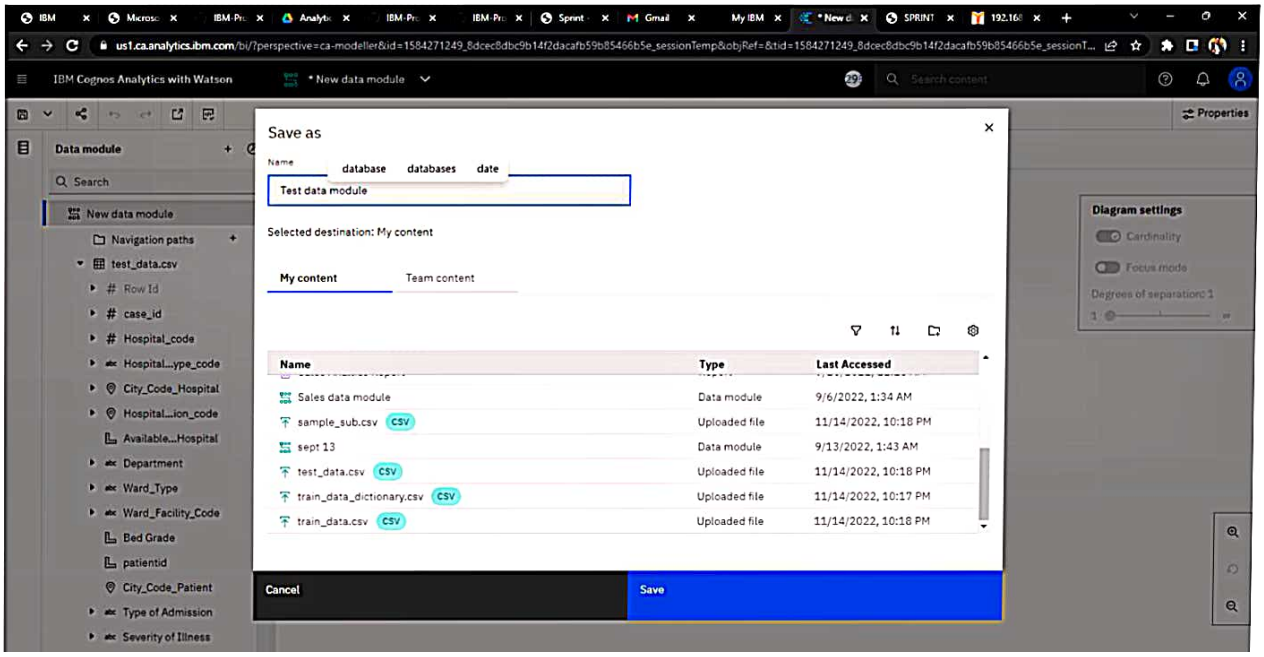
15-11-2022

- Then I will Create the data module using train_data.csv dataset.