PROJECT DEVELOPMENT PHASE SPRINT DELIVERY-1

TEAM ID :PNT2022TMID33091

BATCH NO : B9-3A5E

PROJECT : Analytics for Hospitals Health-Care Data

DATE : 19 NOV 2022

Sprint Delivery
Plan I

Project Development Phase

SPRINT-I
Data Collection
Data Preparation

SPRINT-II
Data Exploration
Story Creation

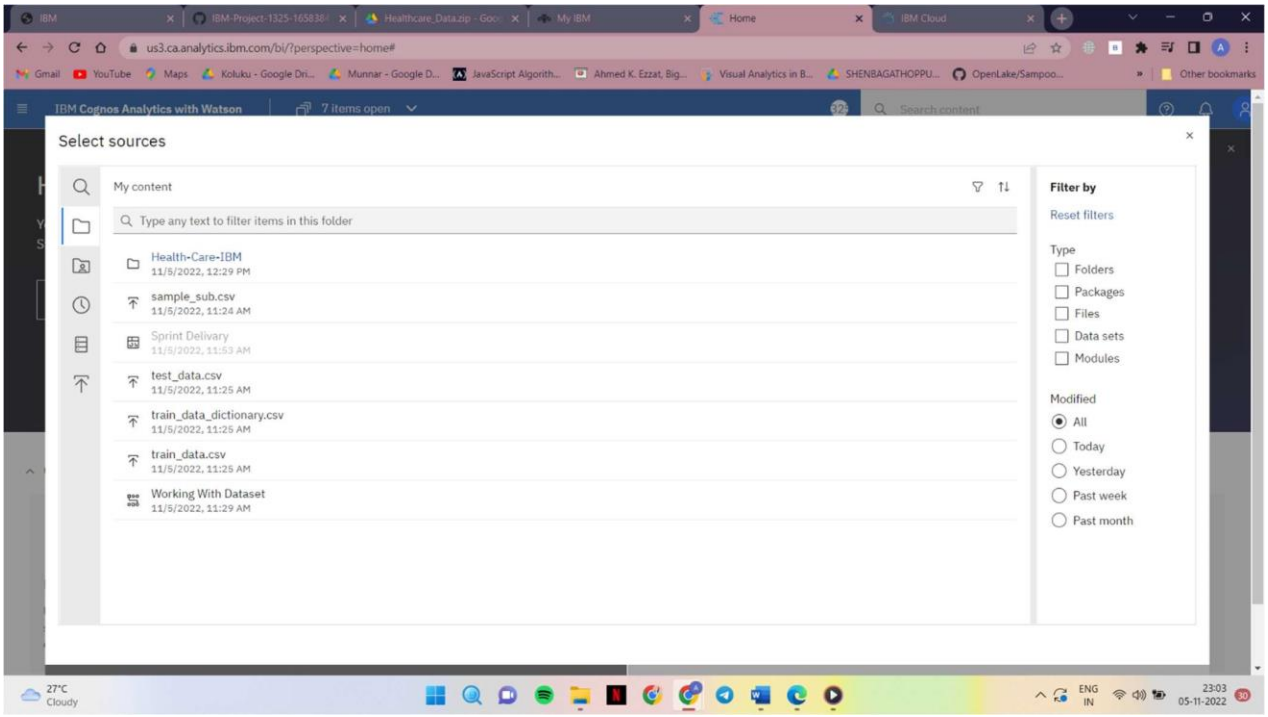
SPRINT-III
Dashboard Creation

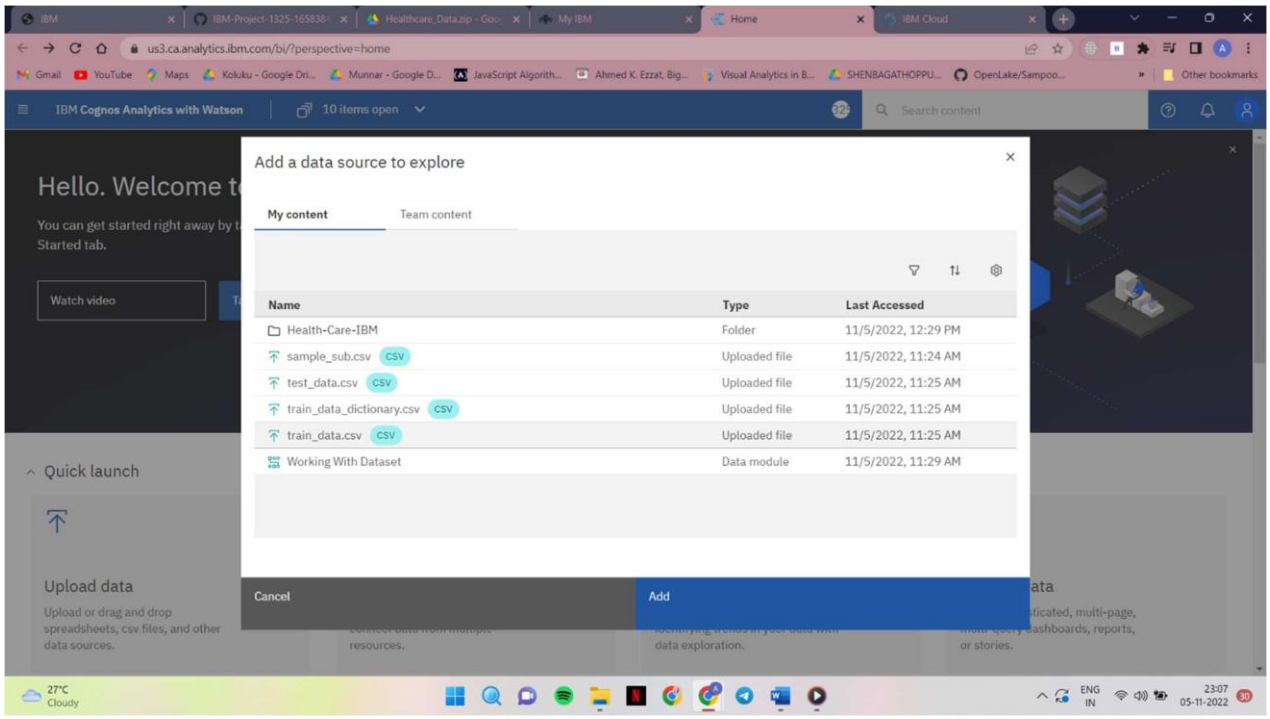
SPRINT-IV
Report Creation
Story Creation

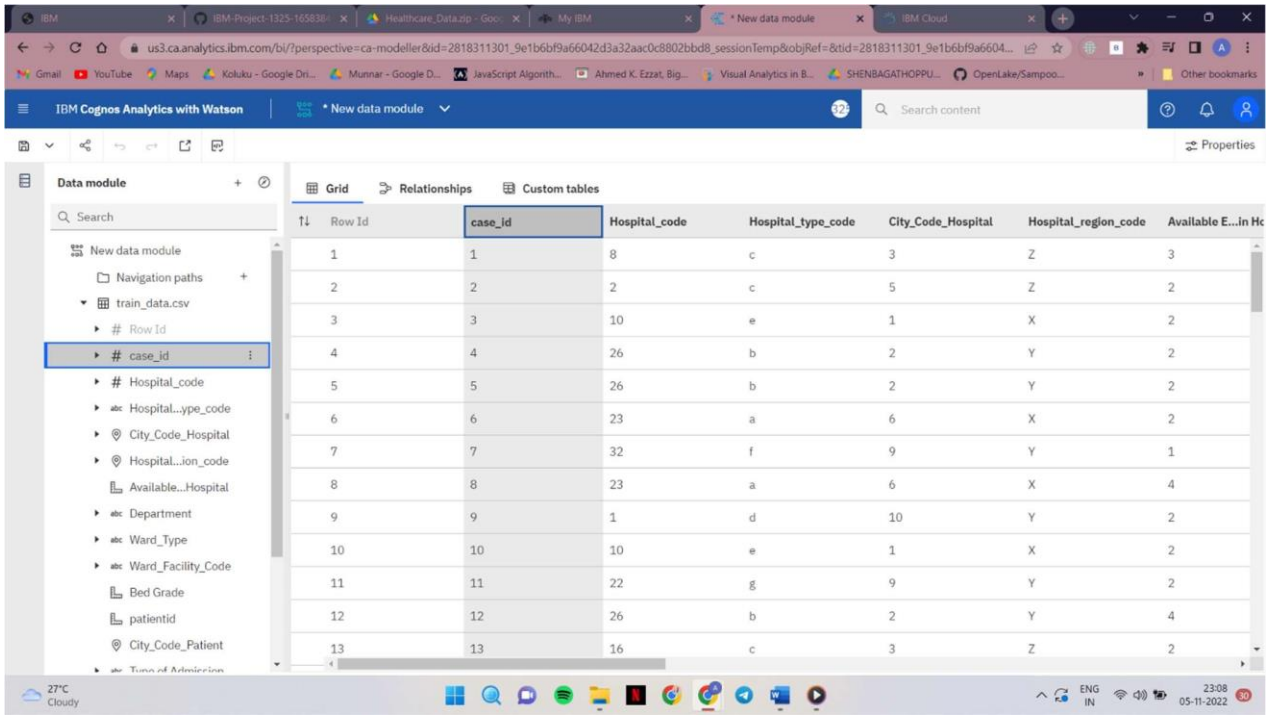
Importing Data Sets of Analytics for Hospitals Health Care Data Using CognosAnalysis:

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.


IBM Cognos Analytics with Watson
7 items open
Search content
Select sources
My content
Type any text to filter items in this folder
Health-Care-IBM
11/5/2022, 12:29 PM
sample_sub.csv
11/5/2022, 11:24 AM
Sprint Delivary
11/5/2022, 11:53 AM
test_data.csv
11/5/2022, 11:25 AM
train_data_dictionary.csv
11/5/2022, 11:25 AM
train_data.csv
11/5/2022, 11:25 AM
Working With Dataset
11/5/2022, 11:29 AM
Filter by
Reset filters
Type
Folders
Packages
Files
Data sets
Modules
Modified
All
Today
Yesterday
Past week
Past month
27°C
Cloudy
ENG
IN
23:03
05-11-2022

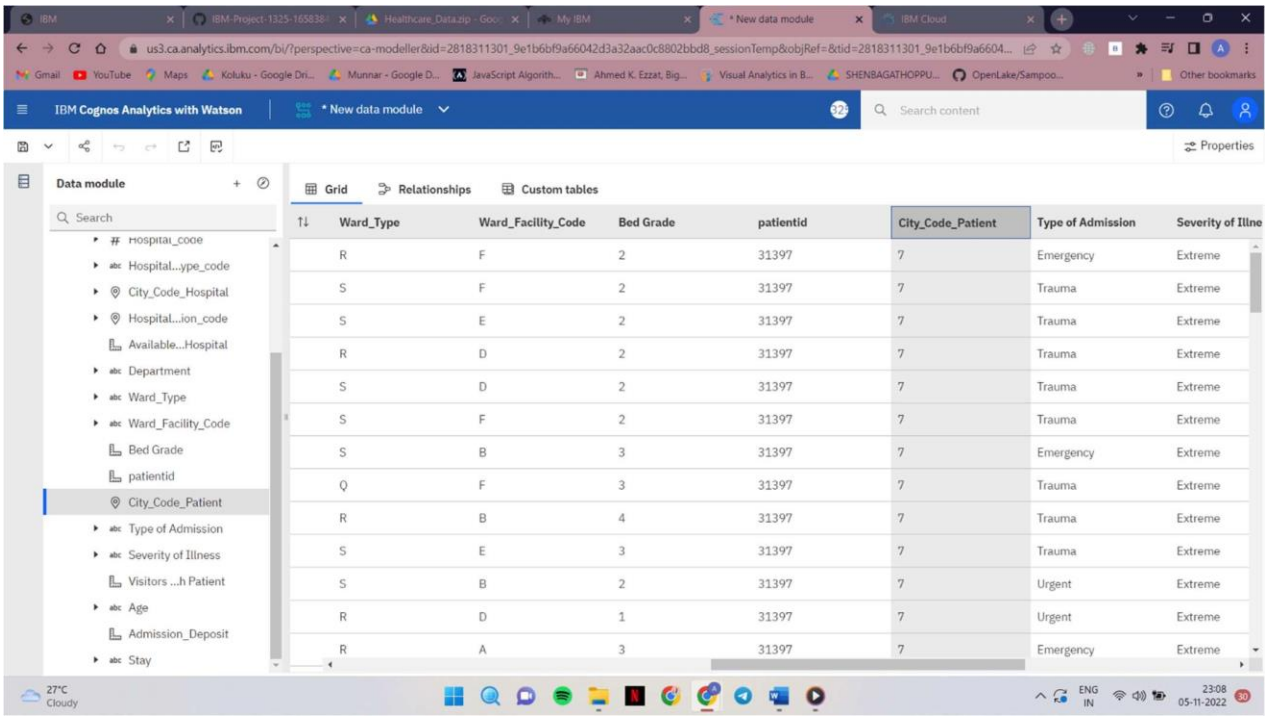

IBM Cognos Analytics with Watson
10 items open
Search content
Add a data source to explore
My content
Team content
Name
Type
Last Accessed
Health-Care-IBM
Folder
11/5/2022, 12:29 PM
sample_sub.csv
Uploaded file
11/5/2022, 11:24 AM
test_data.csv
Uploaded file
11/5/2022, 11:25 AM
train_data_dictionary.csv
Uploaded file
11/5/2022, 11:25 AM
train_data.csv
Uploaded file
11/5/2022, 11:25 AM
Working With Dataset
Data module
11/5/2022, 11:29 AM
Cancel
Add
Quick launch
Upload data
Upload or drag and drop spreadsheets, csv files, and other data sources.
Watch video

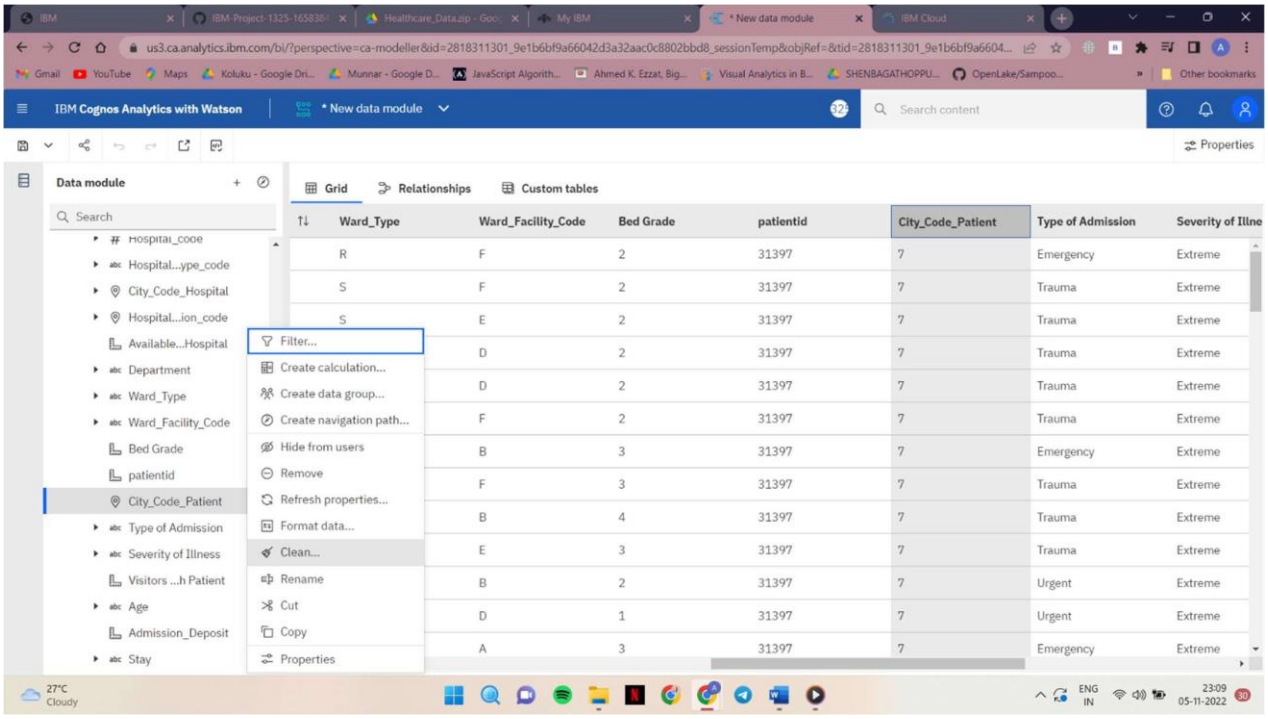

IBM Cognos Analytics with Watson
* New data module
Search content
Properties
Data module
Search
Grid
Relationships
Custom tables
New data module
Navigation paths
train_data.csv
Row Id
case_id
Hospital_code
Hospital...ype_code
City_Code_Hospital
Hospital...ion_code
Available...Hospital
Department
Ward_Type
Ward_Facility_Code
Bed Grade
patientid
City_Code_Patient
Row Id
case_id
Hospital_code
Hospital_type_code
City_Code_Hospital
Hospital_region_code
Available E...in Ho
1 1 8 c 3 Z 3
2 2 2 c 5 Z 2
3 3 10 e 1 X 2
4 4 26 b 2 Y 2
5 5 26 b 2 Y 2
6 6 23 a 6 X 2
7 7 32 f 9 Y 1
8 8 23 a 6 X 4
9 9 1 d 10 Y 2
10 10 10 e 1 X 2
11 11 22 g 9 Y 2
12 12 26 b 2 Y 4
13 13 16 c 3 Z 2

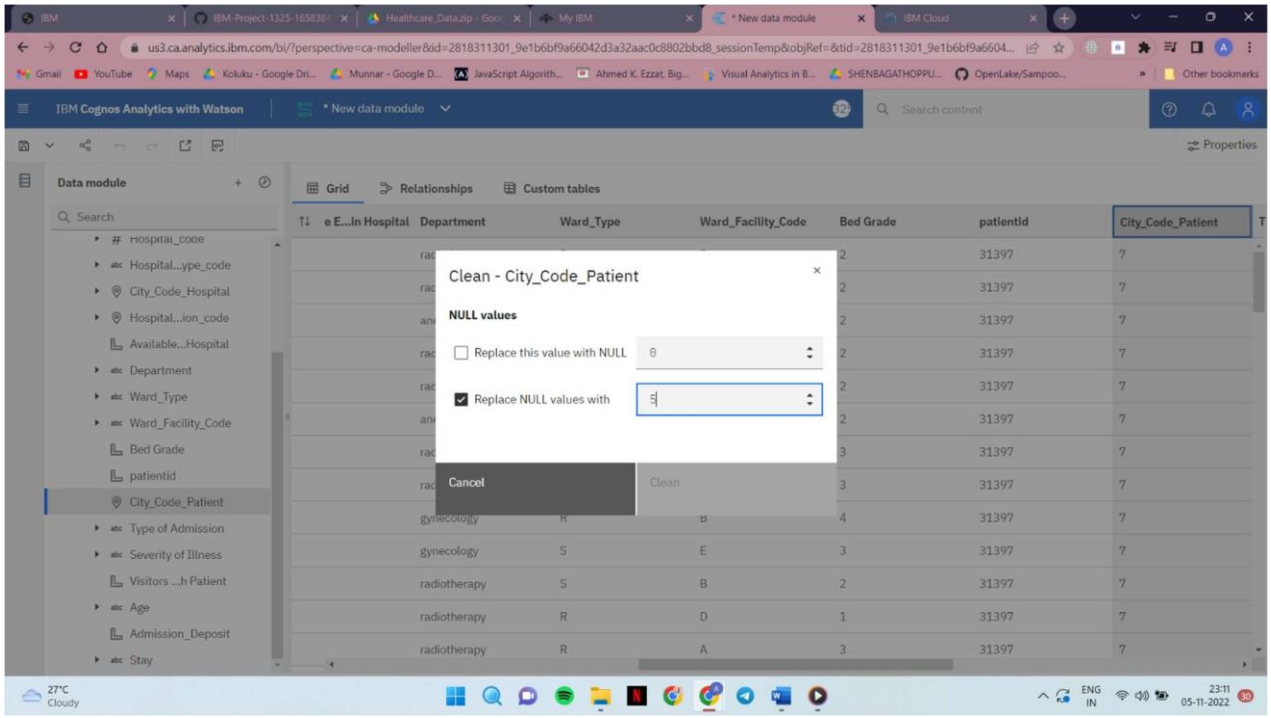
Data Cleaning and Data Processing using Cognos

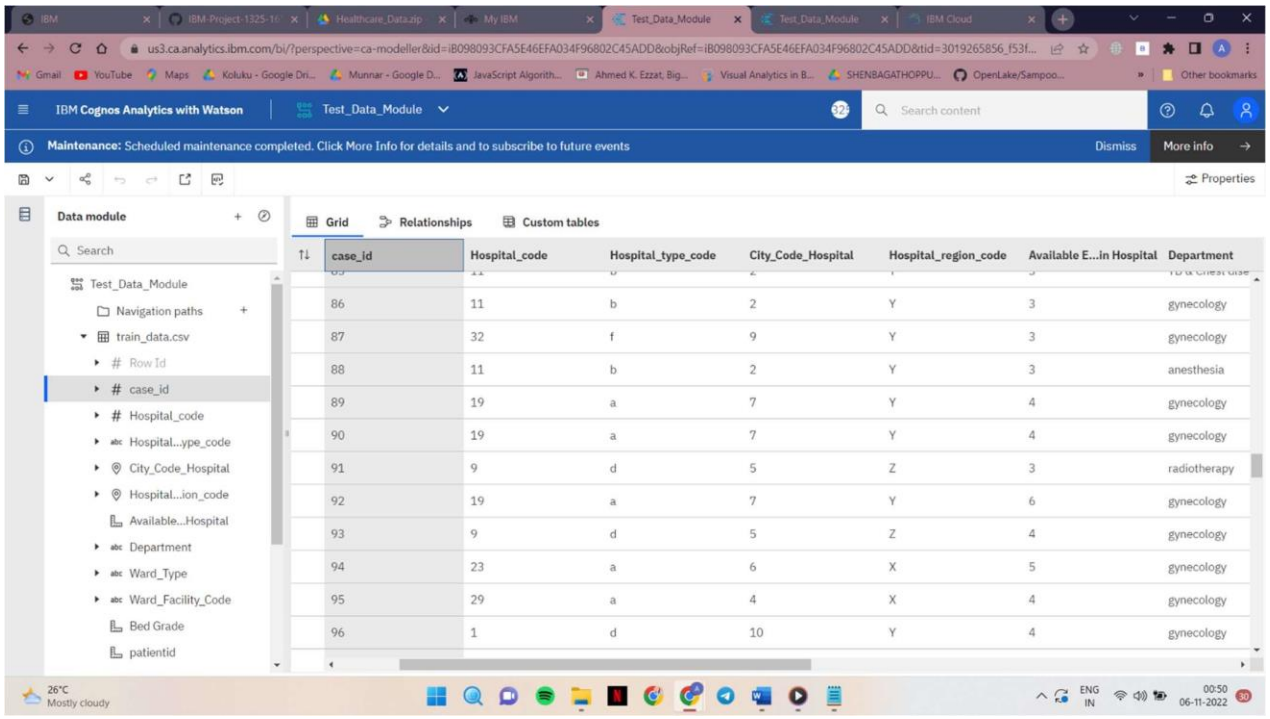
Analytics:USN-2:

- 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.

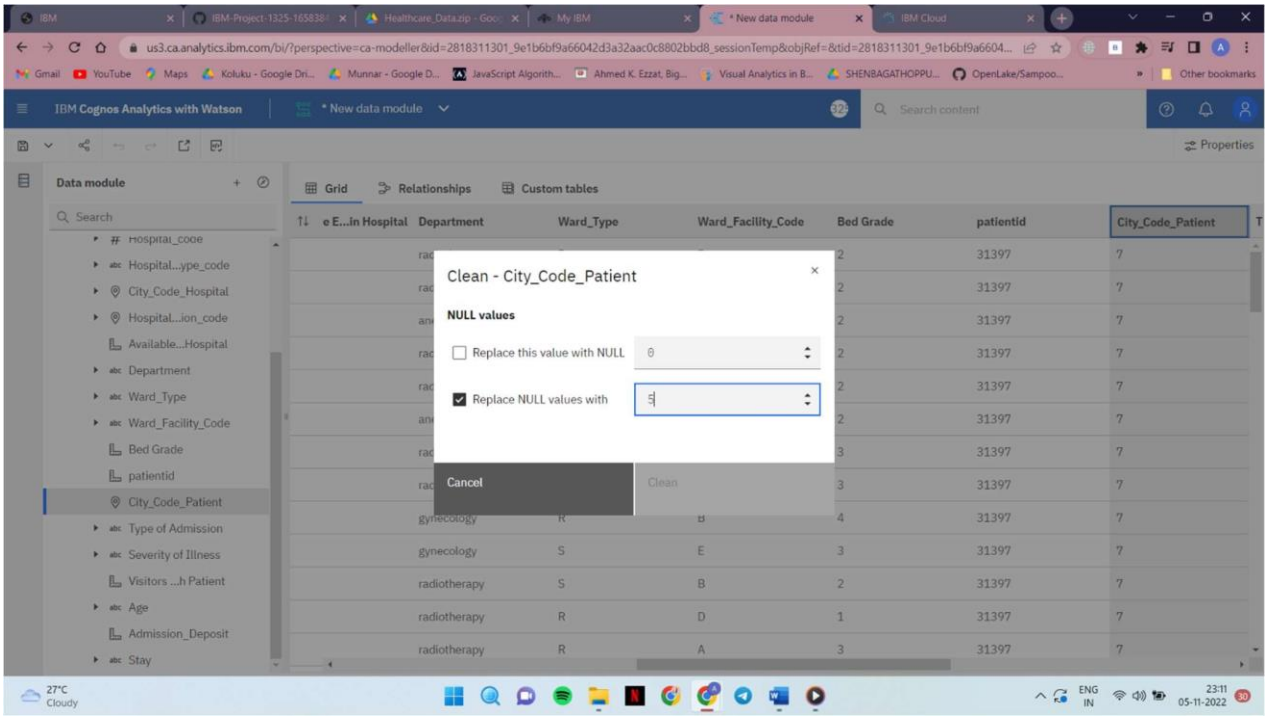


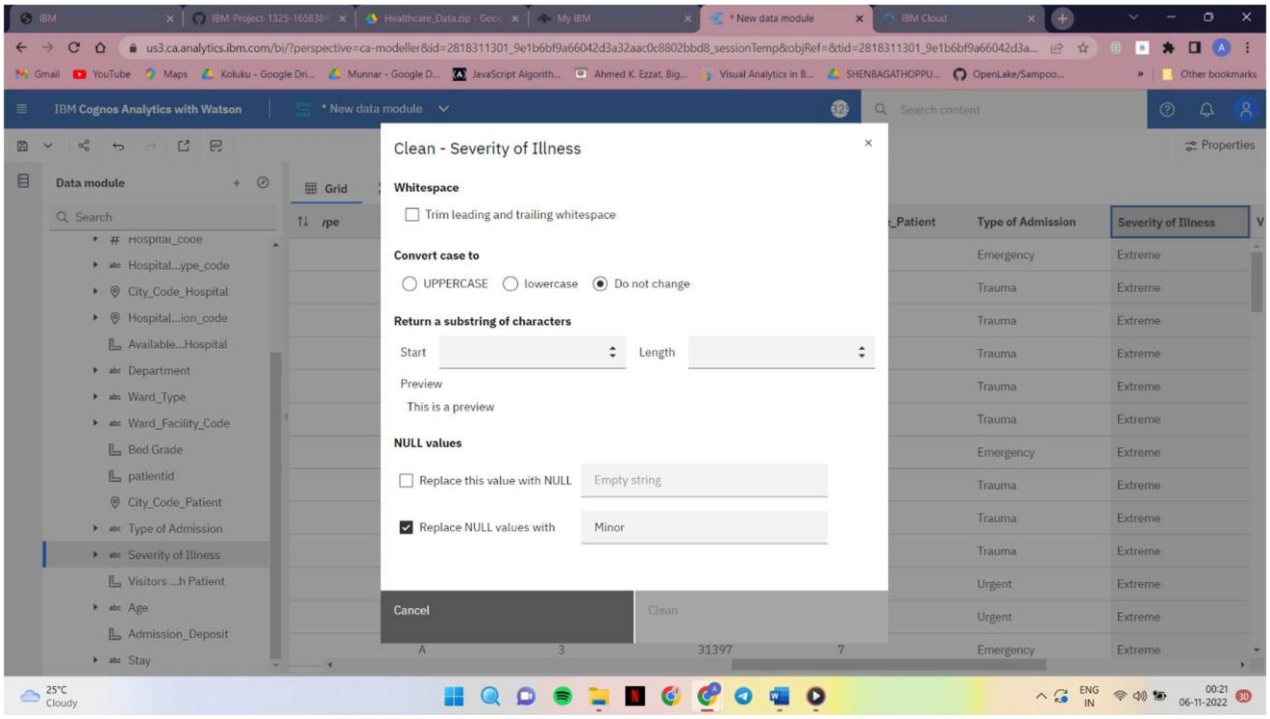


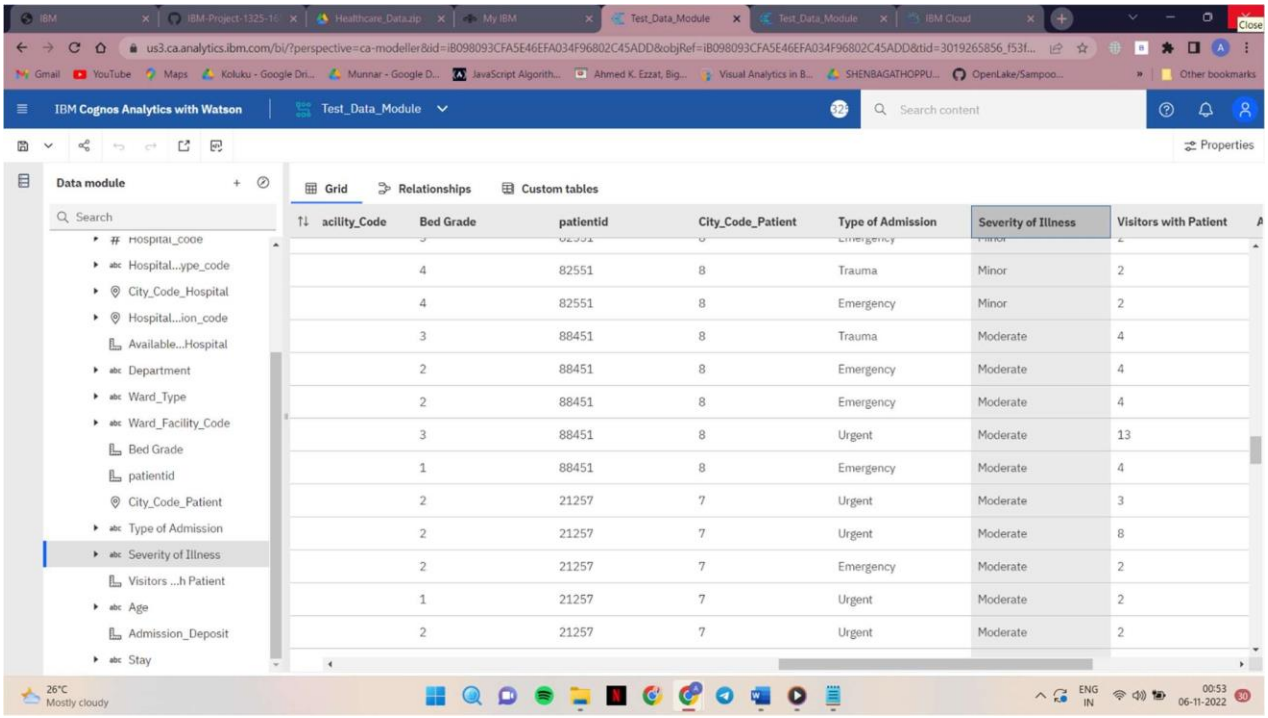

IBM Cognos Analytics with Watson
* New data module
Data module
Grid
Relationships
Custom tables
Clean - City_Code_Patient
NULL values
Replace this value with NULL
Replace NULL values with
Cancel
Clean
City_Code_Patient


IBM Cognos Analytics with Watson
Test_Data_Module
Maintenance: Scheduled maintenance completed. Click More Info for details and to subscribe to future events
Dismiss
More info
Data module
Grid
Relationships
Custom tables
Test_Data_Module
Navigation paths
train_data.csv
case_id
Hospital_code
Hospital_type_code
City_Code_Hospital
Hospital_region_code
Available E...in Hospital
Department

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

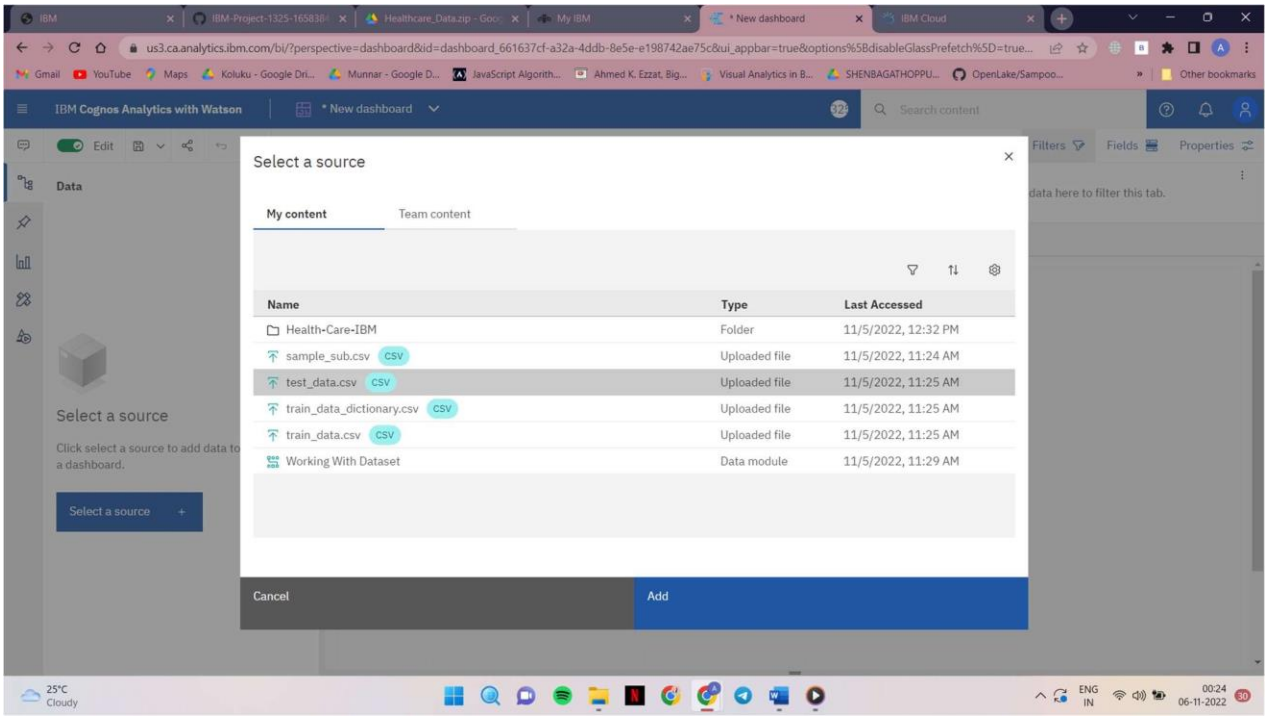


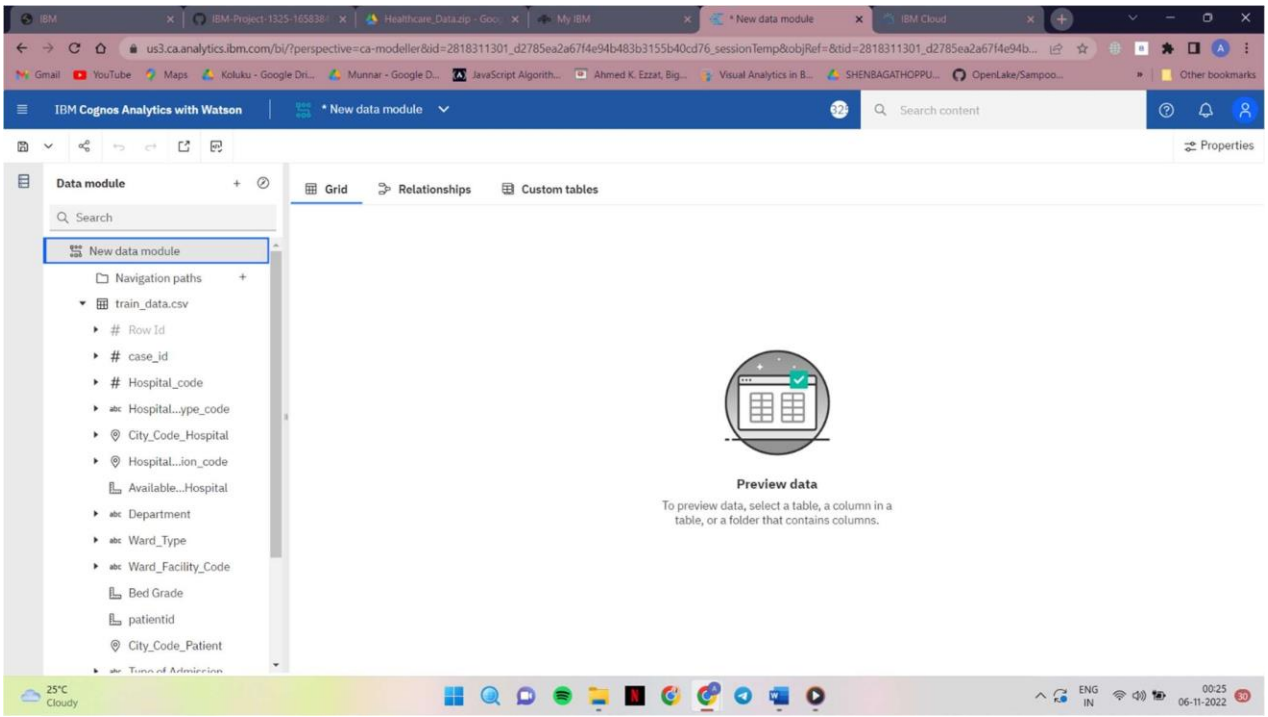

IBM Cognos Analytics with Watson
* New data module
Clean - Severity of Illness
Whitespace
Trim leading and trailing whitespace
Convert case to
UPPERCASE
lowercase
Do not change
Return a substring of characters
Start
Length
Preview
This is a preview
NULL values
Replace this value with NULL
Empty string
Replace NULL values with
Minor
Cancel
Clean
Data module
Grid
Type of Admission
Severity of Illness
Emergency
Trauma
Urgent
Extreme

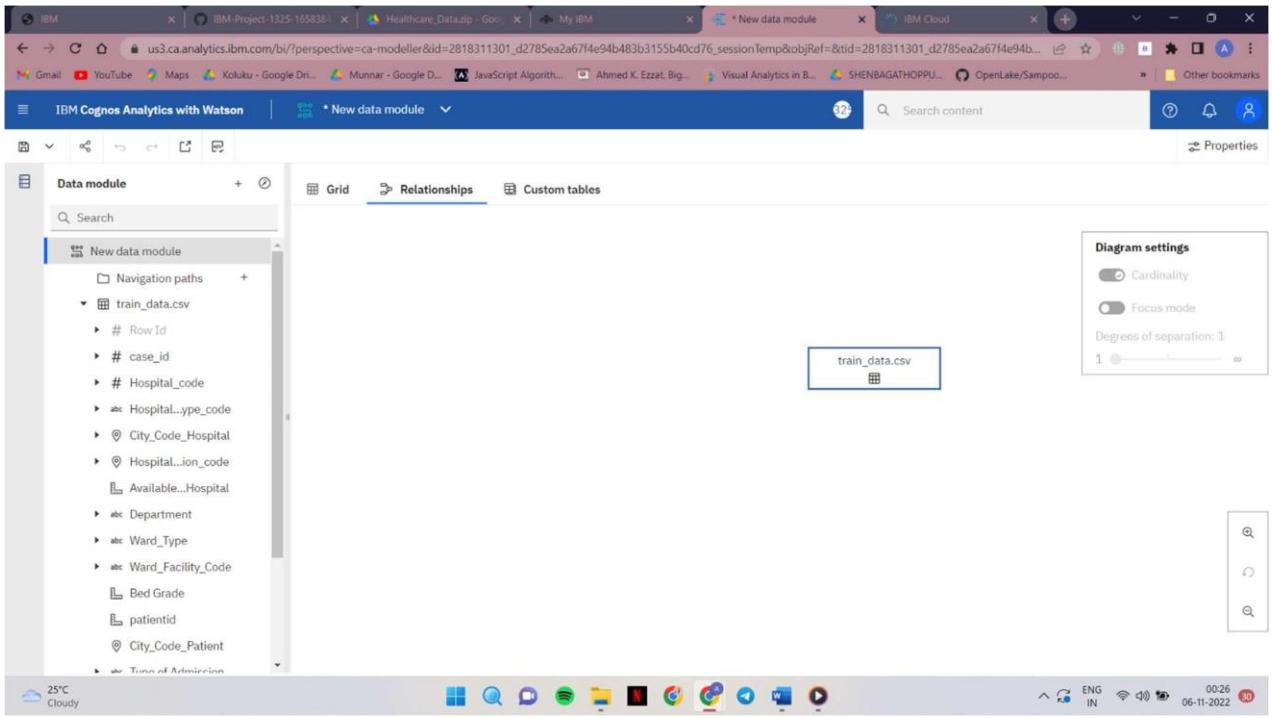

IBM Cognos Analytics with Watson
Test_Data_Module
Data module
Grid
Relationships
Custom tables
Bed Grade
patientid
City_Code_Patient
Type of Admission
Severity of Illness
Visitors with Patient
Moderate
Minor

Creating The Data Module using Cognos Analytics:<u>USN-3:</u>

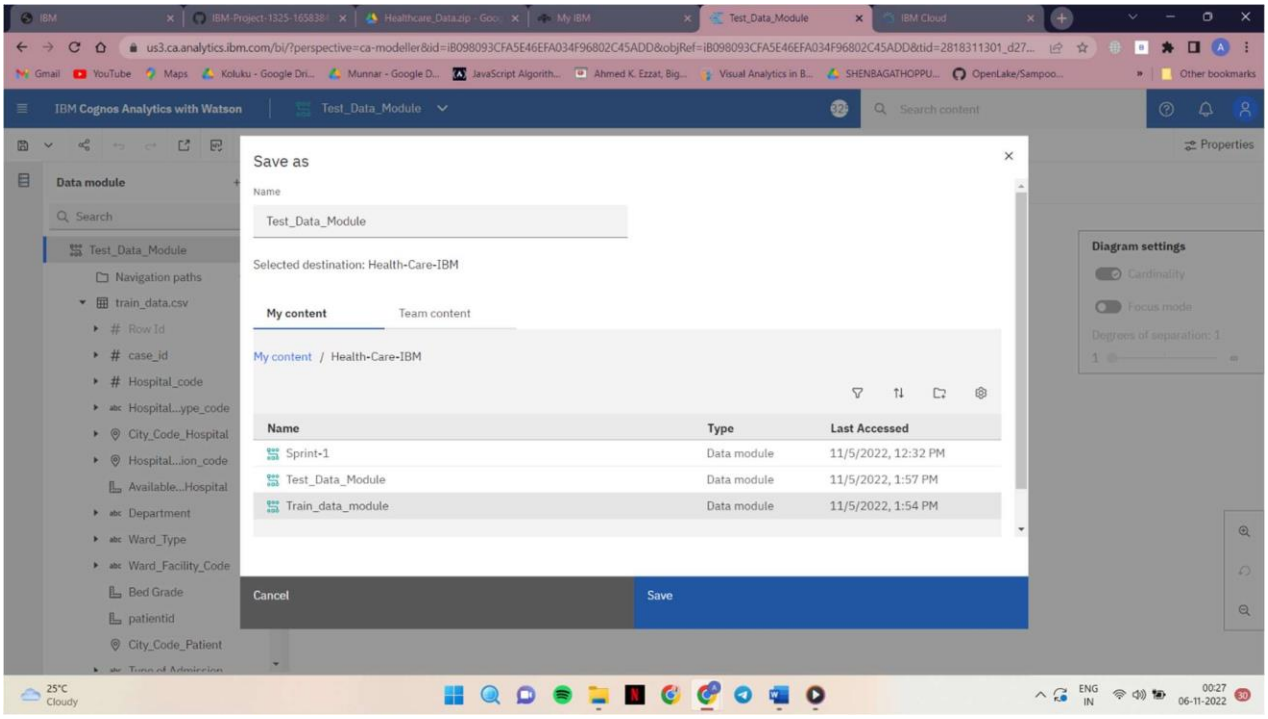
- As an Analyst I will also correct the raw data and create a data module.
- I will Create the data module using test_data.csv dataset first.

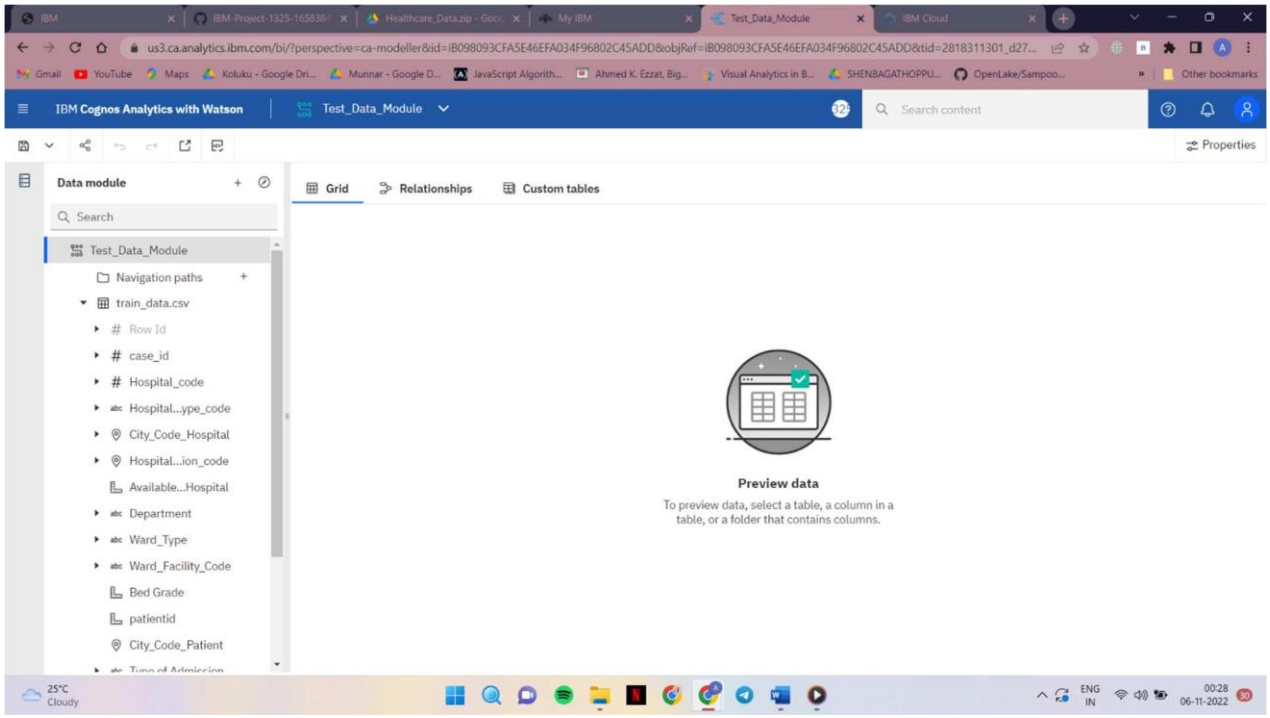


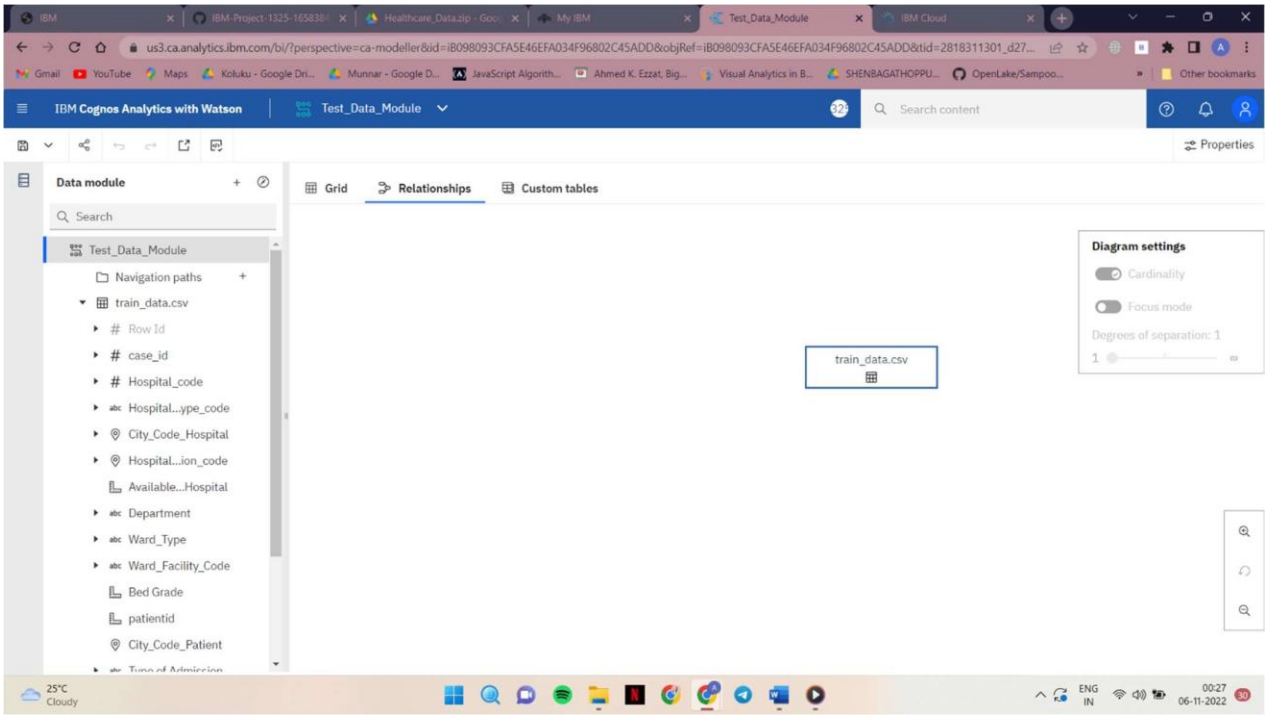




- Then I will Create the data module using train_data.csv dataset.



- 
IBM Cognos Analytics with Watson
Test_Data_Module
Search content
Properties
Data module
Search
Test_Data_Module
Navigation paths
train_data.csv
Row Id
case_id
Hospital_code
Hospital...ype_code
City_Code_Hospital
Hospital...ion_code
Available...Hospital
Department
Ward_Type
Ward_Facility_Code
Bed Grade
patientid
City_Code_Patient
Grid
Relationships
Custom tables
Preview data
To preview data, select a table, a column in a table, or a folder that contains columns.


IBM Cognos Analytics with Watson
Test_Data_Module
Search content
Properties
Data module
Search
Test_Data_Module
Navigation paths
train_data.csv
Row Id
case_id
Hospital_code
Hospital...ype_code
City_Code_Hospital
Hospital...ion_code
Available...Hospital
Department
Ward_Type
Ward_Facility_Code
Bed Grade
patientid
City_Code_Patient
Grid
Relationships
Custom tables
Diagram settings
Cardinality
Focus mode
Degrees of separation: 1
train_data.csv