

Sprint Delivery Plan I

Date	14 November 2022
Team ID	PNT2022TMID38716
Project Name	Analytics for Hospital's Health CareData

Importing Data Sets of Analytics for Hospitals Health Care Data Using Cognos Analysis:

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.

The screenshot displays the IBM Cognos Analytics user interface. At the top, the header bar includes the text 'IBM Cognos Analytics with Watson', a 'Content' dropdown menu, a search bar with the placeholder 'Search content', and a user profile icon. Below the header, the main content area shows a folder named 'Hospitals health care'. Under this folder, there are three tabs: 'My content', 'Team content', and 'Samples'. The 'My content' tab is selected, showing a list of items. The list has columns for 'Name', 'Type', and 'Last Accessed'. The items listed are: 'Test_data module' (Data module, Last Accessed: 30/10/2022, 8:59 AM), 'test_data.csv' (Uploaded file, Last Accessed: 30/10/2022, 3:39 AM), and 'train_data.csv' (Uploaded file, Last Accessed: 30/10/2022, 3:12 AM). Each item has a checkbox and a small icon to its left.

Name	Type	Last Accessed
Test_data module	Data module	30/10/2022, 8:59 AM
test_data.csv	Uploaded file	30/10/2022, 3:39 AM
train_data.csv	Uploaded file	30/10/2022, 3:12 AM

Hospitals health care

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New

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My content Team content Samples

My content / Hospitals health care

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☰

<input type="checkbox"/>	Name	Type	Last Accessed
<input type="checkbox"/>	🔗 train_data.csv CSV	Uploaded file	30/10/2022, 3:12 AM

📁

🔍 Search

New data module

Navigation paths

train_data.csv

Row Id

case_id

Hospital_code

abc Hospital...ype_code

📍 City_Code_Hospital

📍 Hospital...ion_code

📄 Available...Hospital

abc Department

abc Ward_Type

abc Ward_Facility_Code

Grid

Relationships

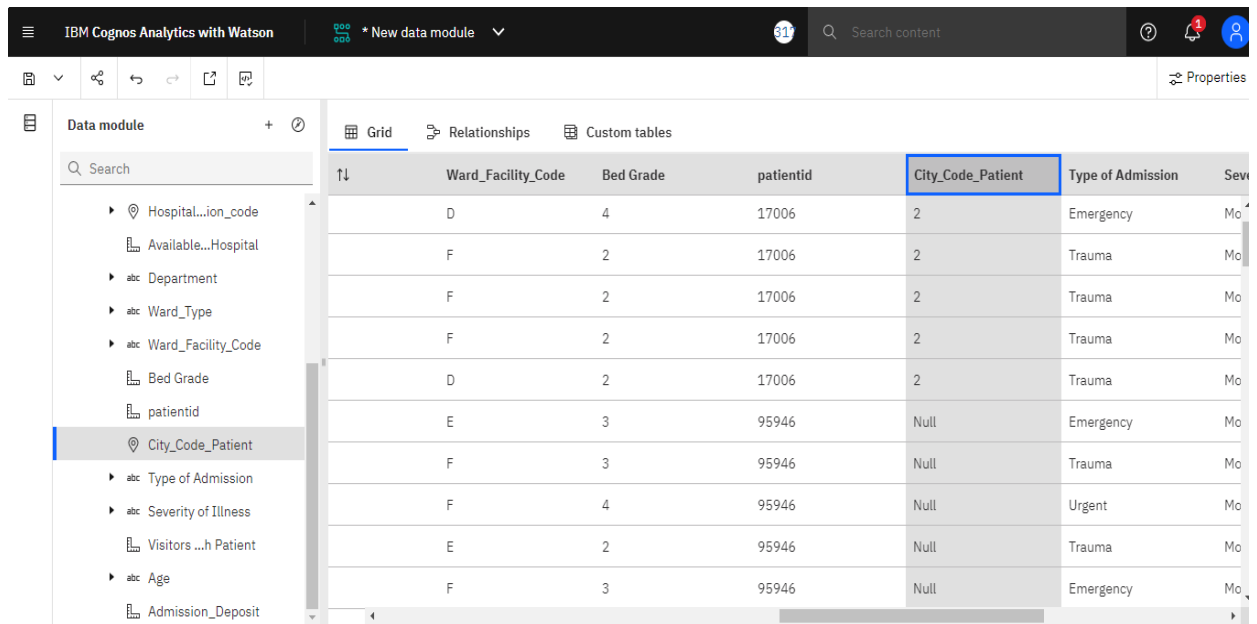
Custom tables

↕	case_id	Hospital_code	Hospital_type_code	City_Code_Hospital	Hospital_region_code	Av
	1	8	c	3	Z	3
	2	2	c	5	Z	2
	3	10	e	1	X	2
	4	26	b	2	Y	2
	5	26	b	2	Y	2
	6	23	a	6	X	2
	7	32	f	9	Y	1
	8	23	a	6	X	4
	9	1	d	10	Y	2
	10	10	e	1	X	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

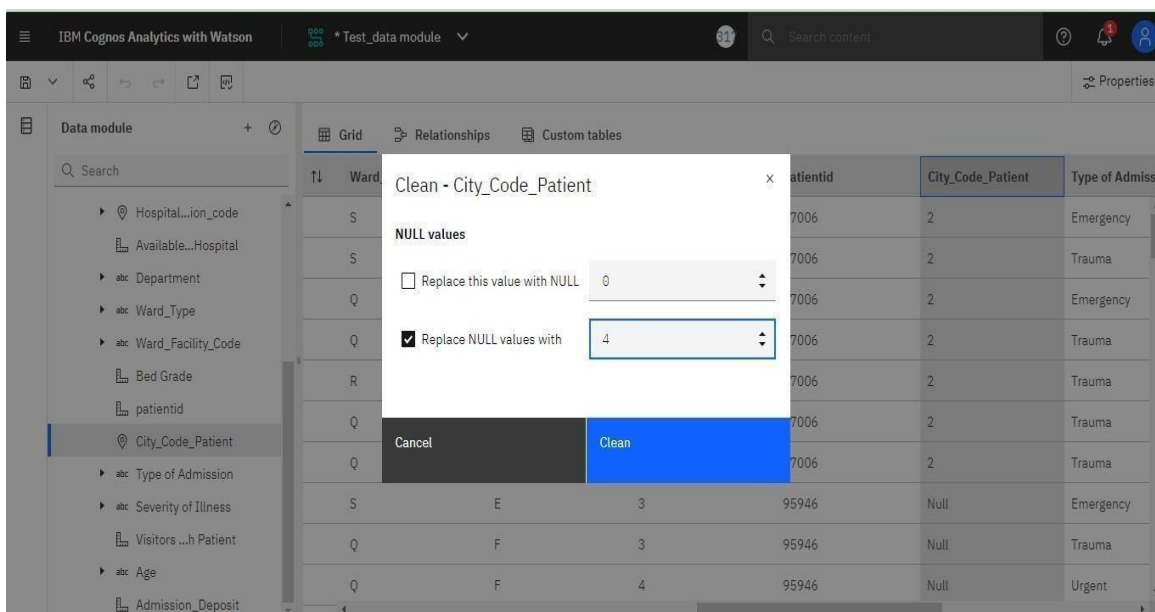
Search content

Properties

Data module

Grid Relationships Custom tables

Ward_Facility_Code	Bed Grade	patientid	City_Code_Patient	Type of Admission	Sev
D	4	17006	2	Emergency	Mo
F	2	17006	2	Trauma	Mo
F	2	17006	2	Trauma	Mo
F	2	17006	2	Trauma	Mo
D	2	17006	2	Trauma	Mo
E	3	95946	Null	Emergency	Mo
F	3	95946	Null	Trauma	Mo
F	4	95946	Null	Urgent	Mo
E	2	95946	Null	Trauma	Mo
F	3	95946	Null	Emergency	Mo



IBM Cognos Analytics with Watson

Test_data module

Search content

Properties

Data module

Grid Relationships Custom tables

Ward	patientid	City_Code_Patient	Type of Admiss
S	7006	2	Emergency
S	7006	2	Trauma
Q	7006	2	Emergency
Q	7006	2	Trauma
R	7006	2	Trauma
Q	7006	2	Trauma
Q	7006	2	Trauma
Q	7006	2	Trauma
S	95946	Null	Emergency
Q	95946	Null	Trauma
Q	95946	Null	Urgent

Clean - City_Code_Patient

NULL values

☐ Replace this value with NULL

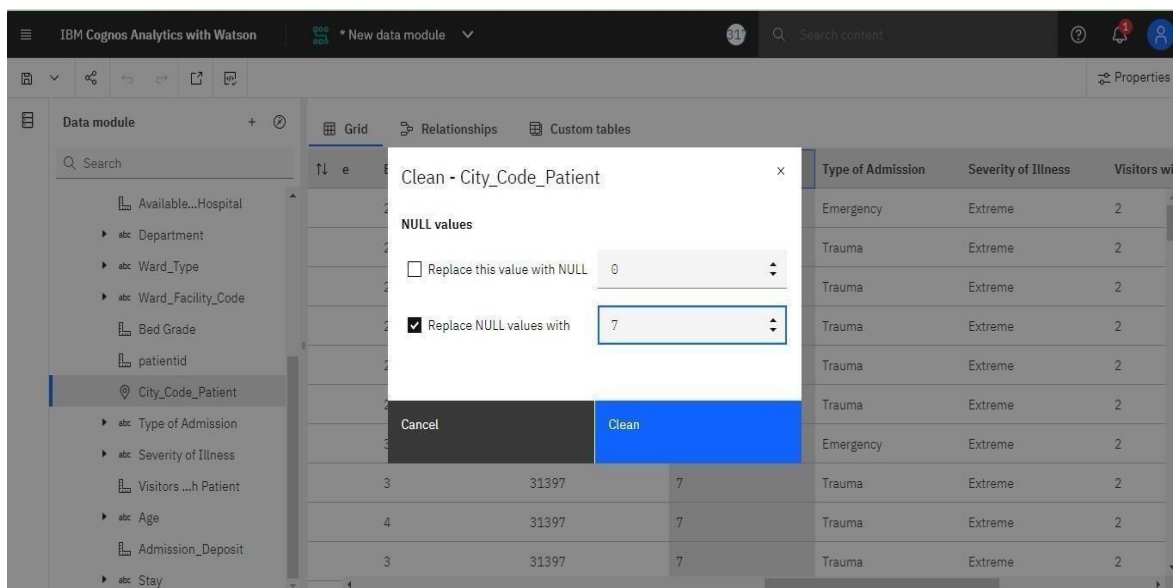
☒ Replace NULL values with 4

Cancel Clean

The screenshot shows the IBM Cognos Analytics with Watson interface. On the left, the 'Data module' pane lists various fields: Hospital...ion_code, Available...Hospital, Department, Ward_Type, Ward_Facility_Code, Bed Grade, patientid, City_Code_Patient, Type of Admission, Severity of Illness, Visitors ...h Patient, Age, and Admission_Deposit. The 'City_Code_Patient' field is selected. The main grid view displays a table with the following columns: Patient, Ward_Type, Ward_Facility_Code, Bed Grade, patientid, and City_Code_Patient. The table contains 10 rows of data.

Patient	Ward_Type	Ward_Facility_Code	Bed Grade	patientid	City_Code_Patient
17006	Q	F	2	17006	2
17006	R	F	2	17006	2
17006	Q	F	2	17006	2
17006	Q	D	2	17006	2
95946	S	E	3	95946	4
95946	Q	F	3	95946	4
95946	Q	F	4	95946	4
95946	Q	E	2	95946	4
95946	R	F	3	95946	4
95946	R	A	3	95946	4

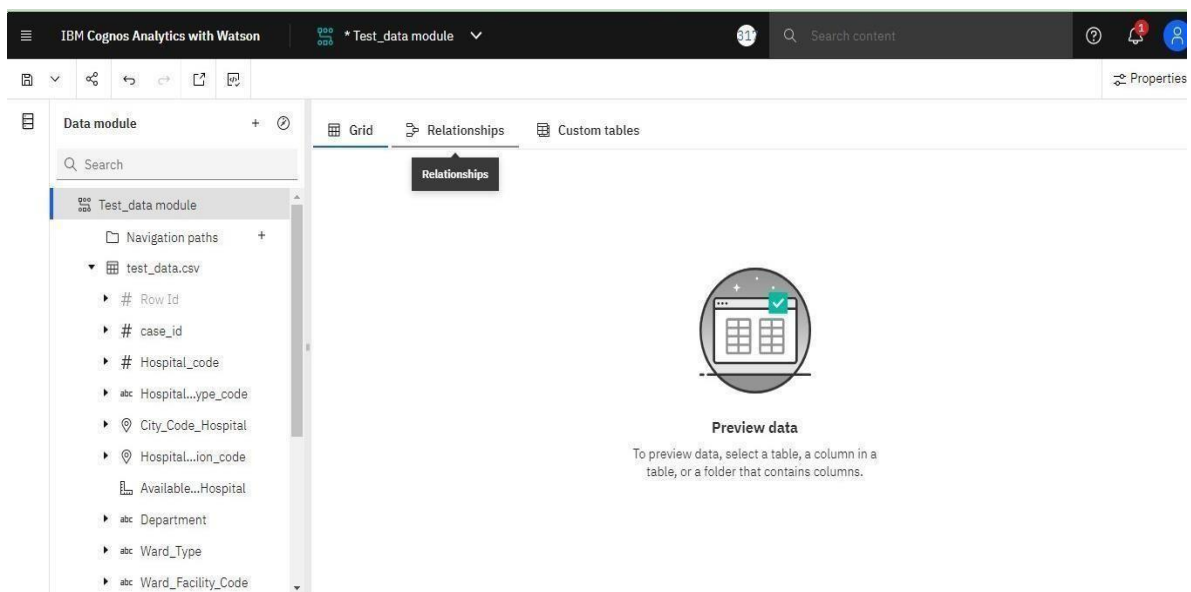
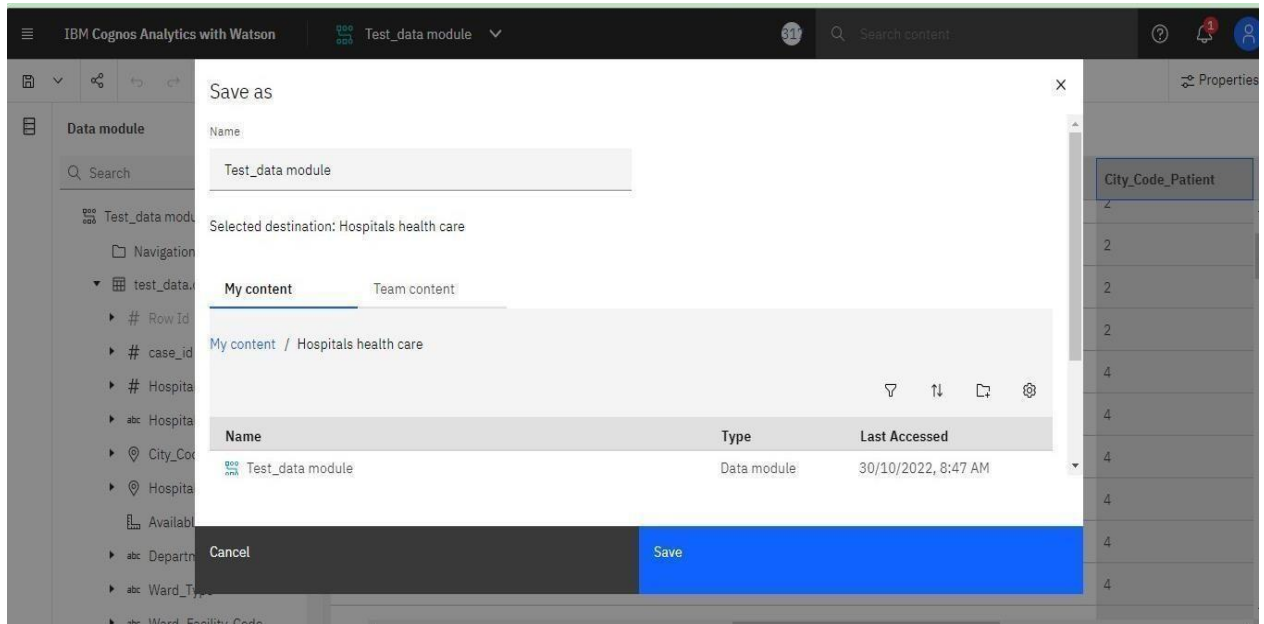
- To Data cleaning the null values in train_data.csv dataset.

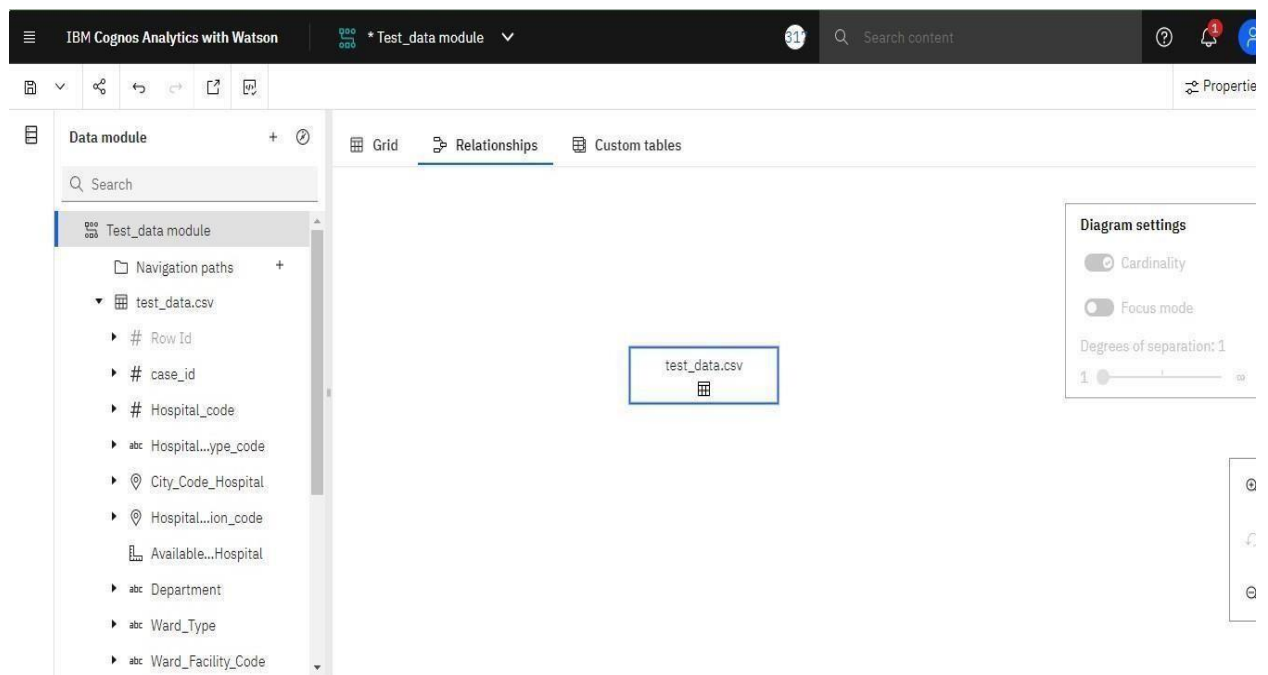


Creating The Data Module using Cognos Analytics:

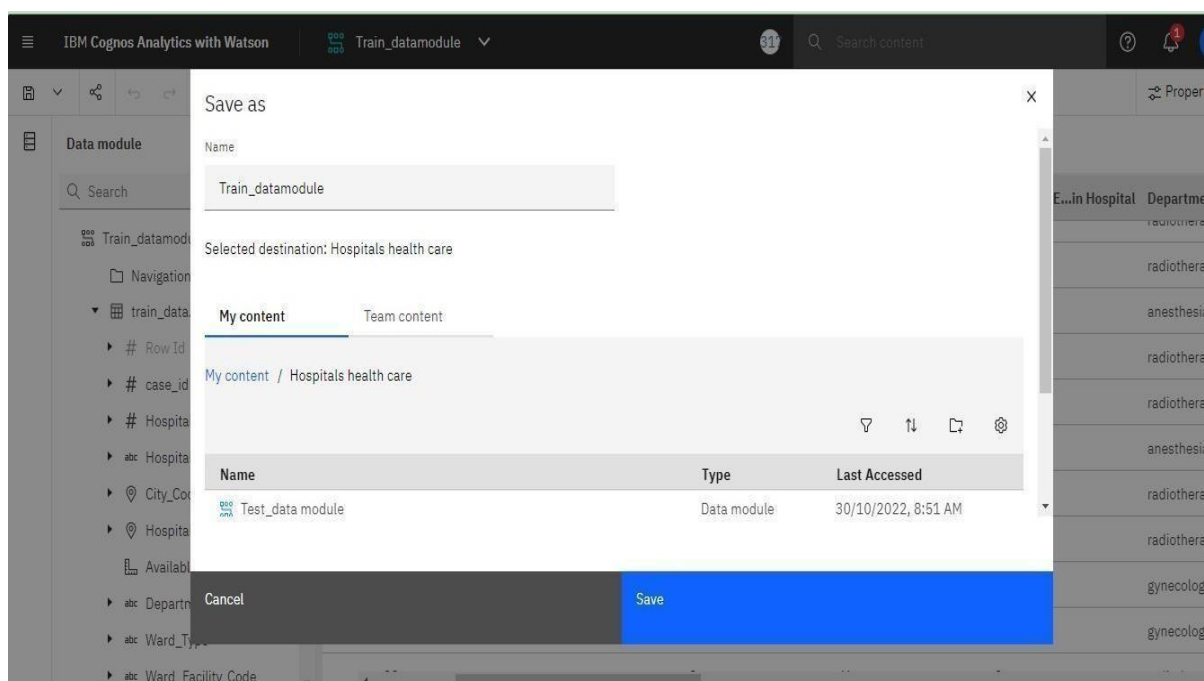
USN-3:

- 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.





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



us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=i62D0214C205D44E6BF7E5A3DD961130A&objRef=i62D0214C205D44E6BF7E5A3DD961130A&tid...

IBM Cognos Analytics with Watson Train_datamodule

Search content

Data module

Search

Train_datamodule

- Navigation paths
- train_data.csv
 - # Row Id
 - # case_id
 - # Hospital_code
 - abc Hospital...ype_code
 - City_Code_Hospital
 - Hospital...ion_code
 - Available...Hospital
 - abc Department
 - abc Ward_Type
 - abc Ward_Facility_Code

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 Train_datamodule

Search content

Properties

Data module

Search

Train_datamodule

- Navigation paths
- train_data.csv
 - # Row Id
 - # case_id
 - # Hospital_code
 - abc Hospital...ype_code
 - City_Code_Hospital
 - Hospital...ion_code
 - Available...Hospital
 - abc Department
 - abc Ward_Type
 - abc Ward_Facility_Code

Grid Relationships Custom tables

Diagram settings

- Cardinality
- Focus mode
- Degrees of separation: 1

train_data.csv