

Sprint Delivery Plan I

Date	15 NOVEMBER 2022
Team ID	PNT2022TMID41443
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 user profile icons. Below the header, the main content area is titled 'Hospitals health care'. Under this title, there are tabs for 'My content', 'Team content', and 'Samples'. The 'My content' tab is selected, showing a breadcrumb path 'My content / Hospitals health care'. A table lists the contents of this folder:

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.

The screenshot shows the IBM Cognos Analytics 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 highlighted. The main grid view displays a table with columns: Ward_Facility_Code, Bed Grade, patientid, City_Code_Patient, Type of Admission, and Severity of Illness. The 'City_Code_Patient' column contains several null values.

Ward_Facility_Code	Bed Grade	patientid	City_Code_Patient	Type of Admission	Severity of Illness
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

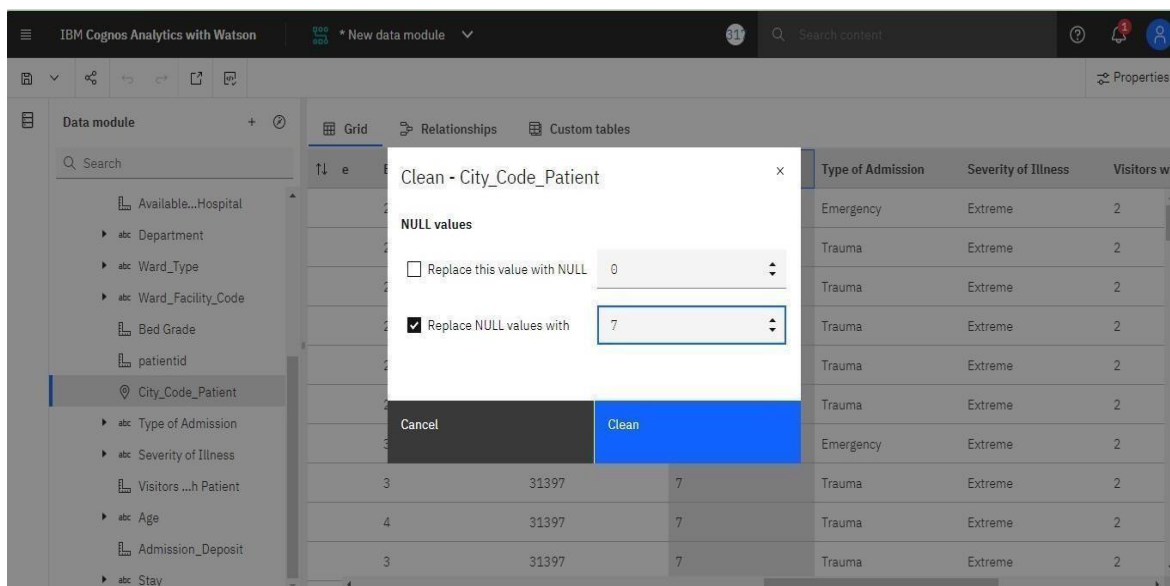
The screenshot shows the same IBM Cognos Analytics interface, but with a 'Clean - City_Code_Patient' dialog box open. The dialog box has a 'NULL values' section with two options: 'Replace this value with NULL' (unchecked) and 'Replace NULL values with' (checked). The value '4' is entered in the input field next to the checked option. The 'Clean' button is highlighted in blue.

Ward_Facility_Code	Bed Grade	patientid	City_Code_Patient	Type of Admission	Severity of Illness
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	E	95946	Null	Emergency	
Q	F	95946	Null	Trauma	
Q	F	95946	Null	Urgent	

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

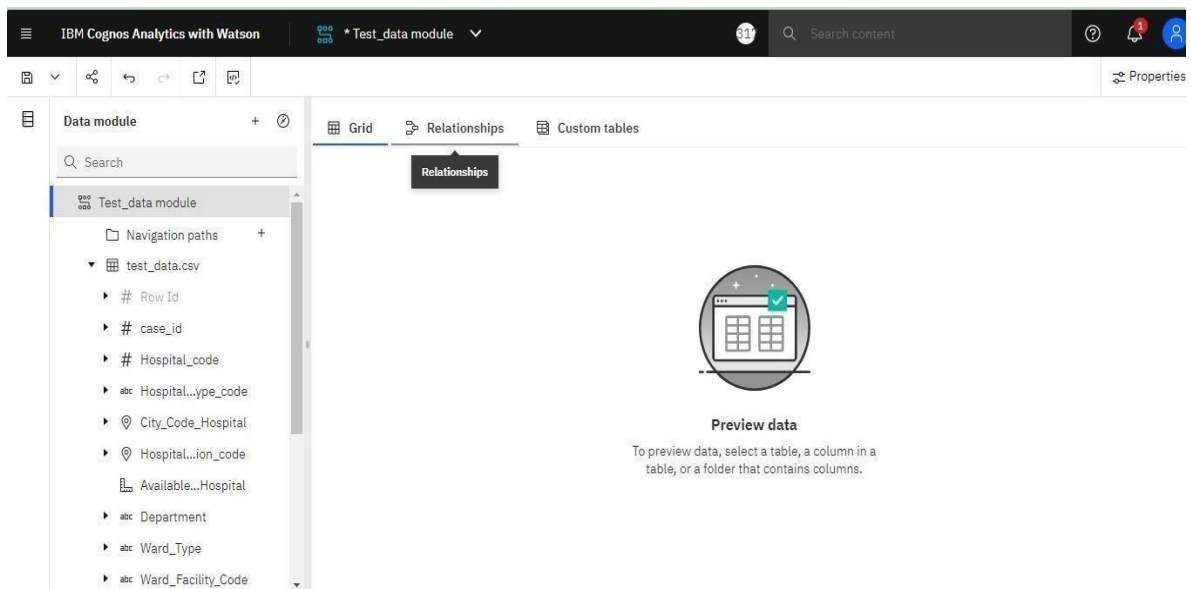
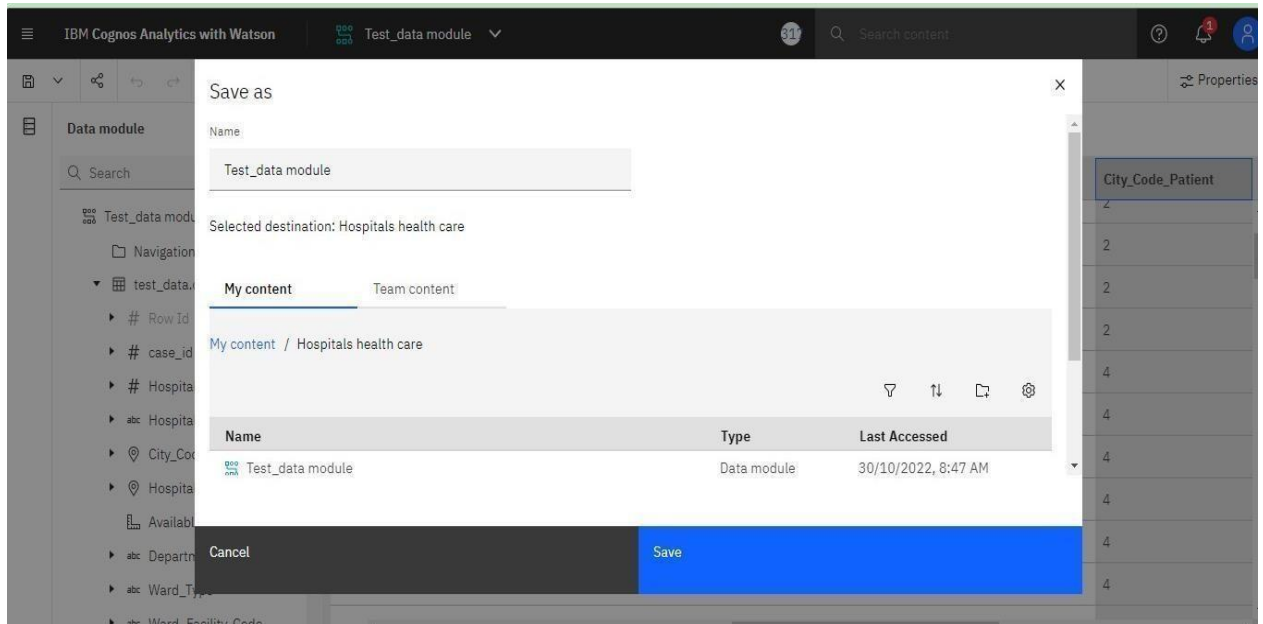
- To Data cleaning the null values in train_data.csv dataset.

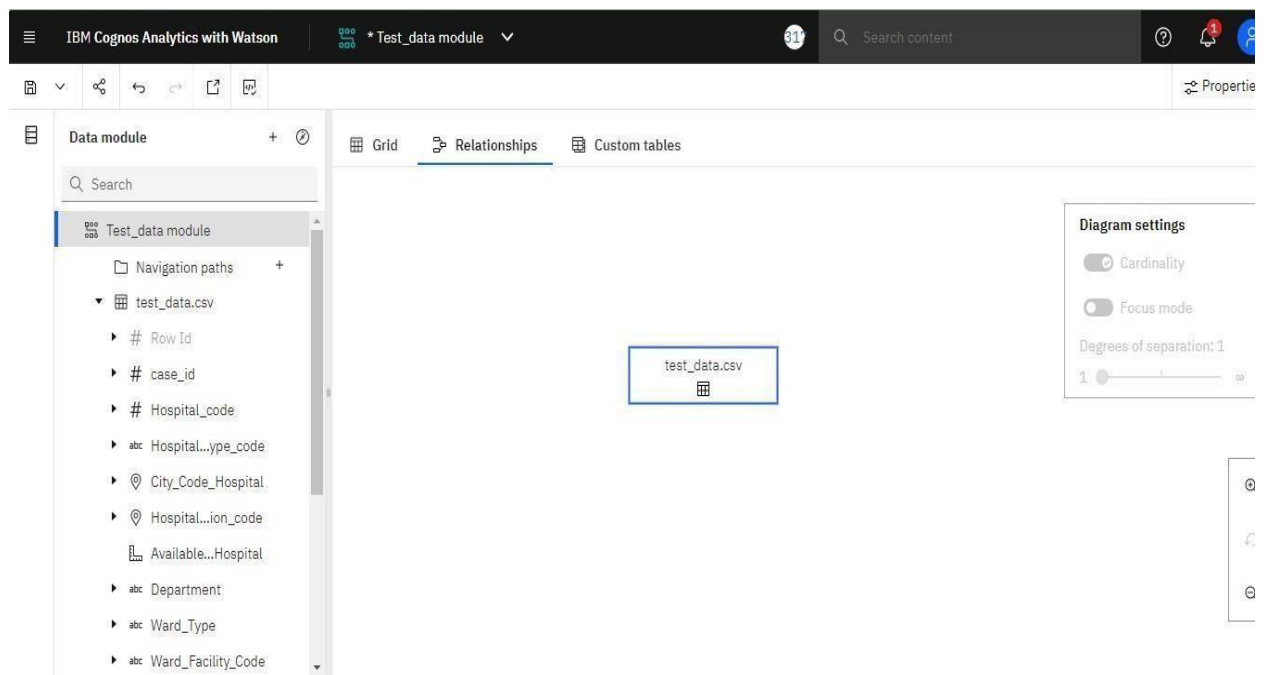


Creating The Data Module using Cognos Analytics:

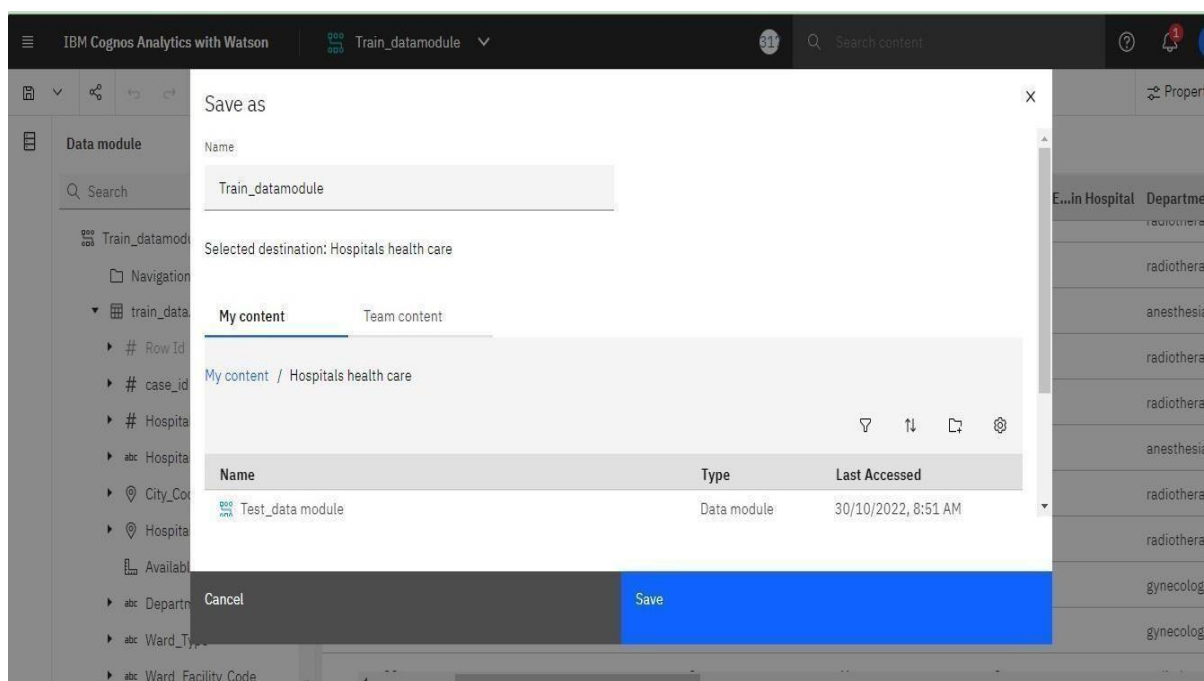
USN-3:

- 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