

PROJECT DEVELOPMENT PHASE
SPRINT DELIVERY -1

TEAM ID : PNT2022TMID23375

BATCH NO : B5-5M1E

PROJECT : Analytics for Hospitals Health-CareData

DATE : 28 OCT 2022

Project Development Phase

Sprint-1:

Data Collection

Loading of data

Data Preparation

Sprint-2:

Data Exploration

Data Visualization

Sprint-3:

**Dashboard
Creation**

Sprint-4:

Report Creation

Story Creation

1. DATA COLLECTION

HOSPITAL DATA SET

https://drive.google.com/drive/folders/1qozDgfVw04hGS8Di_SFhUNdUKUdjkhT?usp=sharing

UNDERSTANDING THE DATA

This project is based on understanding the Hospital dataset .

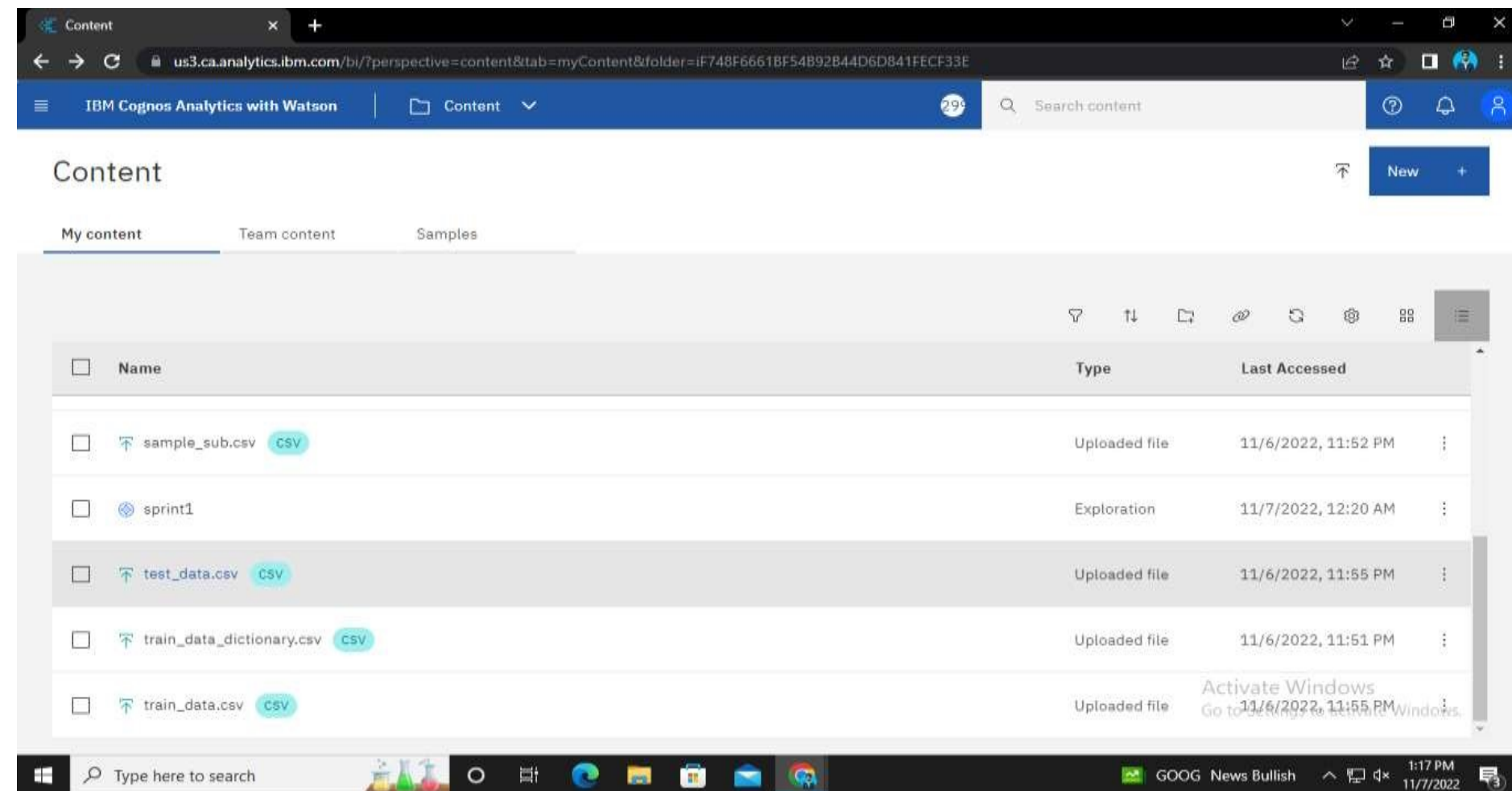
The data is spread across 3 data files (csv) and one data dictionary enclosed.

1. Test_data.csv
2. Sample_sub.csv
3. Train_data_dictionary.csv
4. Train_data.csv

The primary data file we use is **test_data.csv** consist of 17 Columns with 137057 Rows.

2. LOADING OF DATA

- ❖ Connect the data to IBM Cognos.
- ❖ Cognos supports connecting to a wide variety of data, stored in a variety of places.
- ❖ Loading of the data set in IBM Cognos is important for analyzing.



3.DATA PREPARATION

New data module

us3.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=1410854583_9d4eaf45875b4076b50f6d8840fa8c50_sessionTemp&objRef=&tid=1410854583_9d4eaf45875b...

IBM Cognos Analytics with Watson

New data module

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Properties

Data module

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Search

New data module

Navigation paths

test_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

📄 Bed Grade

📄 patientid

Grid

Relationships

Custom tables

↑↓	Row Id	case_id	Hospital_code	Hospital_type_code	City_Code_Hospital	Hospital_region_c
	1	318439	21	c	3	Z
	2	318440	29	a	4	X
	3	318441	26	b	2	Y
	4	318442	6	a	6	X
	5	318443	28	b	11	X
	6	318444	23	a	6	X
	7	318445	26	b	2	Y
	8	318446	25	e	1	X
	9	318447	23	a	6	X
	10	318448	23	a	6	X
	11	318449	10	e		X

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1:21 PM
11/7/2022

🗨 3

- Replacing NULL into values

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' pane lists various fields. The main area displays a table with columns: 'rd_Type', 'Ward_Facility_Code', 'Bed Grade', 'patientid', 'City_Code_Patient', and 'Type of Admission'. The 'City_Code_Patient' column contains several 'Null' values. A context menu is open over this column, with the 'Clean...' option highlighted. The Windows taskbar at the bottom shows the time as 1:50 PM on 11/7/2022.

rd_Type	Ward_Facility_Code	Bed Grade	patientid	City_Code_Patient	Type of Admission
	A	2	17006	2	
	F	2	17006	2	
	D	4	17006	2	
	F	2	17006	2	
	F	2	17006	2	
	F	2	17006	2	
	D	2	17006	2	
	E	3	95946	Null	
	F	3	95946	Null	Trauma
	F	4	95946	Null	Urgent
	E	2	95946	Null	Trauma

IBM Cognos Analytics with Watson

us3.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=1410854583_9d4eaf45875b4076b50f6d8840fa8c50_sessionTemp&objRef=&tid=1410854583_9d4eaf45875b...

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Properties

Data module

Grid Relationships Custom tables

Search

- abc Hospital...ype_code
- City_Code_Hospital
- Hospital...ion_code
- Available...Hospital
- abc Department
- abc Ward_Type
- abc Ward_Facility_Code
- Bed Grade
- patientid
- City_Code_Patient
- abc Type of Admission
- abc Severity of Illness
- Visitors ...h Patient
- abc Age
- Admission_Deposit

rd_Type Ward_Facility_Code Bed Grade patientid City_Code_Patient Type of Admission

Clean - City_Code_Patient

NULL values

☐ Replace this value with NULL 0

☒ Replace NULL values with 5

Cancel Clean

				2	Emergency
				2	Trauma
				2	Emergency
				2	Trauma
				2	Trauma
				2	Trauma
				2	Trauma
				Null	Emergency
F	3	95946	Null	Trauma	
F	4	95946	Null	Urgent	
E	2	95946	Null	Trauma	

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