

PROJECT DEVELOPMENT PHASE

SPRINT DELIVERY -1

TEAM ID : PNT2022TMID23616

BATCH NO : B5-5M1E

PROJECT : Analytics for Hospitals Health-Care Data

DATE : 7 NOV 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 .

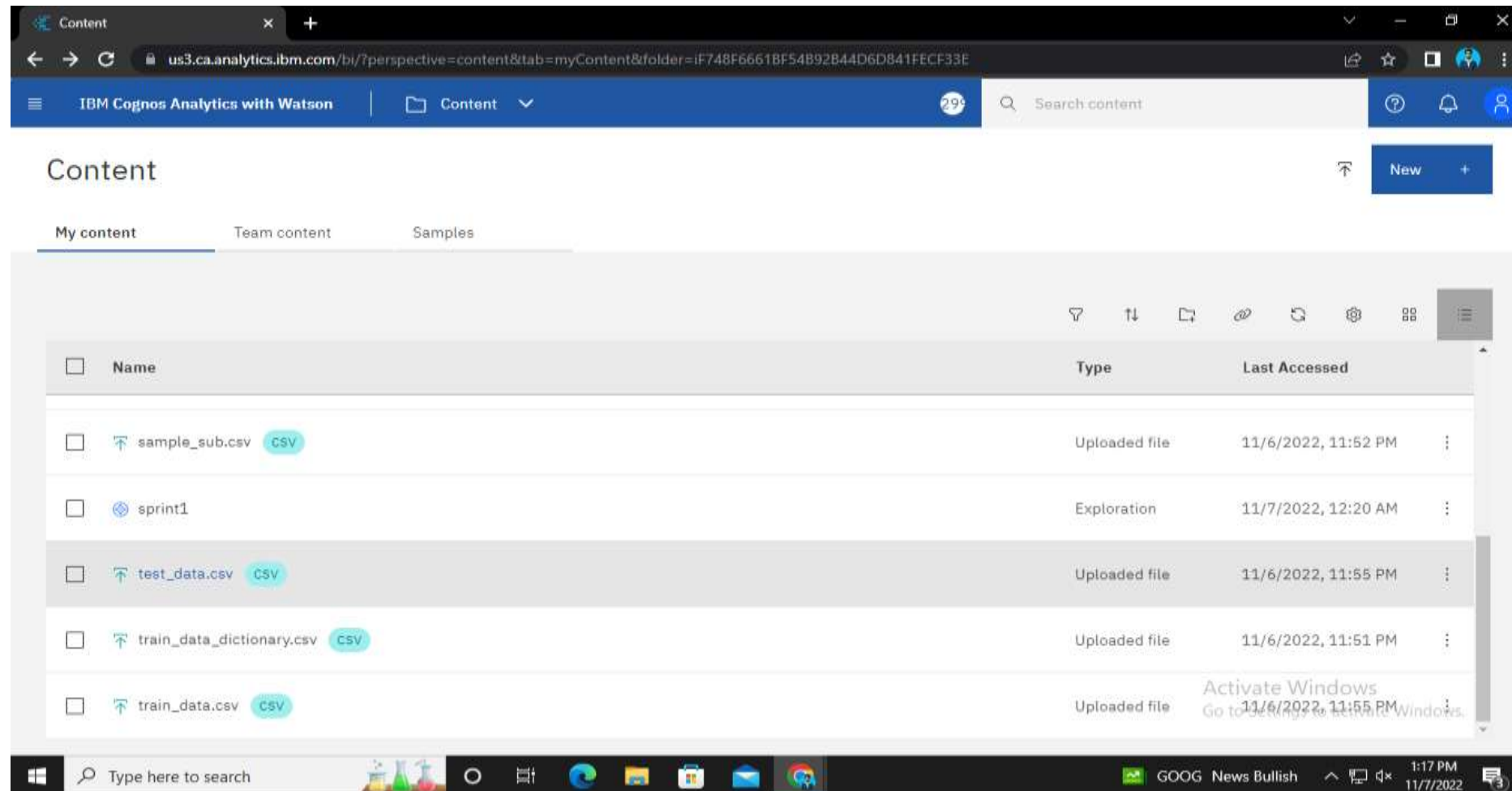
The data is spread across 3 data files (csv) and one data dictionary enclosed.

- 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...

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New data module

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Properties

Data module

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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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• Replacing NULL into values

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Properties

Data module

Grid Relationships Custom tables

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

Filter...
Create calculation...
Create data group...
Create navigation path...
Hide from users
Remove
Format data...
Clean...
Sort descending
Sort ascending
Properties

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Search content

Properties

Data module

Grid

Relationships

Custom tables

Search

Hospital...ype_code

City_Code_Hospital

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

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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New data module

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Data module

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🔍 Search

▶ abc Hospital...type_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

Grid

Relationships

Custom tables

↕	ient	Ward_Type	Ward_Facility_Code	Bed Grade	patientid	City_Code_Patient	T
	›gy	S	A	2	17006	2	
	›gy	S	F	2	17006	2	
	›gy	Q	D	4	17006	2	
	›gy	Q	F	2	17006	2	
	›gy	R	F	2	17006	2	
	›gy	Q	F	2	17006	2	
	›gy	Q	D	2	17006	2	
	›gy	S	E	3	95946	5	
	›gy	Q	F	3	95946	5	
	›gy	Q	F	4	95946	5	
	›gy	Q	E	2	95946	5	

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PREPARED DATA LINK

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