

PROJECT DEVELOPMENT PHASE

SPRINT DELIVERY -1

TEAM ID : PNT2022TMID09318

BATCH NO : B8-2A4E

PROJECT : Analytics for Hospitals Health-Care Data

DATE : 7 NOV 2022

Sprint-1:

- o Data Collection**
- o Loading of data**
- o Data Preparation**

Sprint-2:

- o Data Exploration**
- o Data Visualization**

Sprint-3:

- o Dashboard Creation**

Sprint-4:

- o Report Creation**
- o 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 .

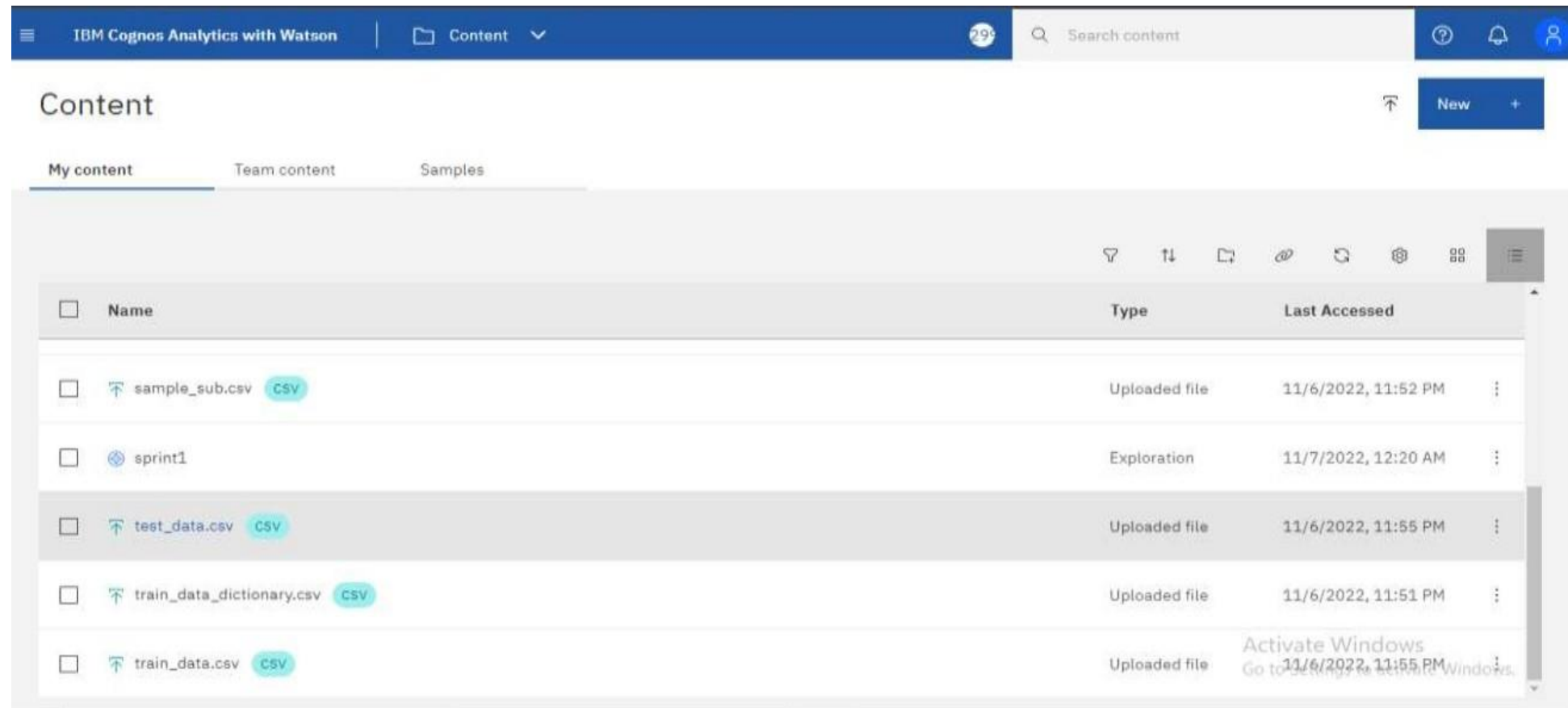
The data is spread across 3 data files (csv) and one data dictionary enclosed.

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

IBM Cognos Analytics with Watson | * New data module | 299 | Search content | ? | Bell | User

Properties

Data module

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	1	318439	21	c	3	Z
2	2	318440	29	a	4	X
3	3	318441	26	b	2	Y
4	4	318442	6	a	6	X
5	5	318443	28	b	11	X
6	6	318444	23	a	6	X
7	7	318445	26	b	2	Y
8	8	318446	25	e	1	X
9	9	318447	23	a	6	X
10	10	318448	23	a	6	X
11	11	318449	10	e		X

Activate Windows
Go to Settings to activate Windows.

- Replacing NULL into values

IBM Cognos Analytics with Watson

* New data module

299

Search content

?

🔔

👤

📁

🔗

↶

↷

📄

📄

🔗

Properties

Data module

+

🕒

🔍 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

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

Activate Windows
Go to Settings to activate Windows.