PROJECT DEVELOPMENT PHASE
SPRINT – 1

Team ID	PNT2022TMID27276
Project Name	Analytics for Hospitals' Health-Care Data
Title	Data Preparation

DATASET :

The healthcare dataset has three datafiles which was csv files and another one is data dictionary enclosed

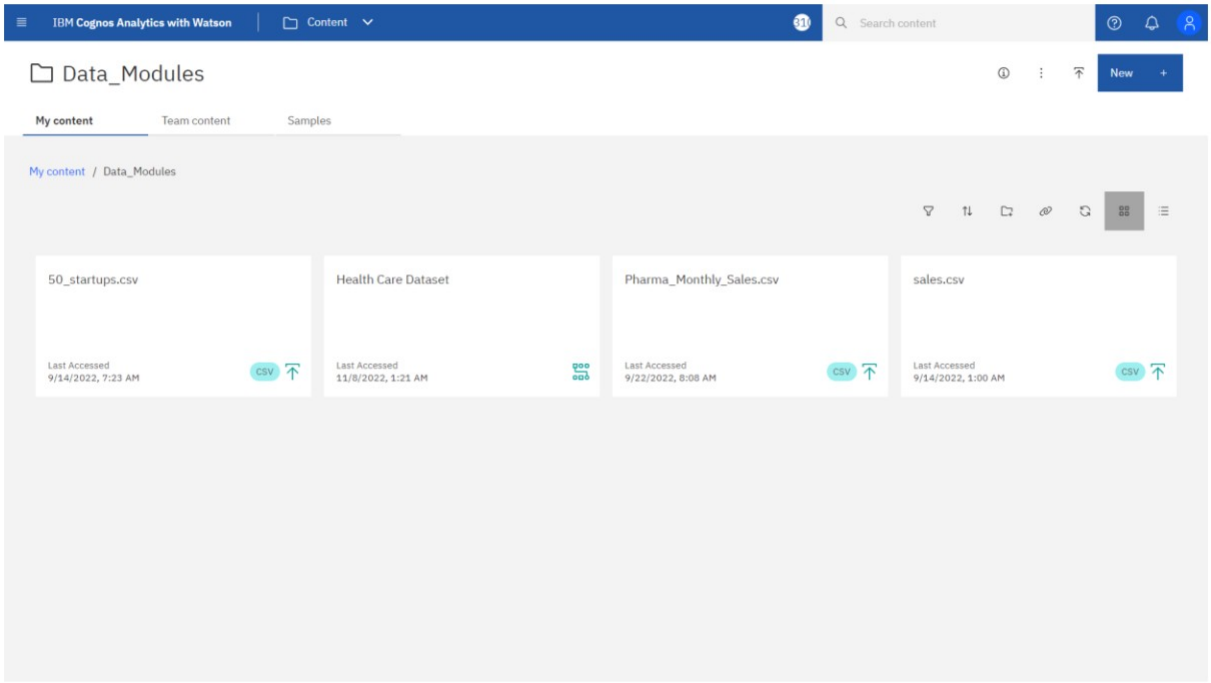
- sample_sub.csv
- test_data.csv
- train_data.csv
- train_data_dictionary.csv

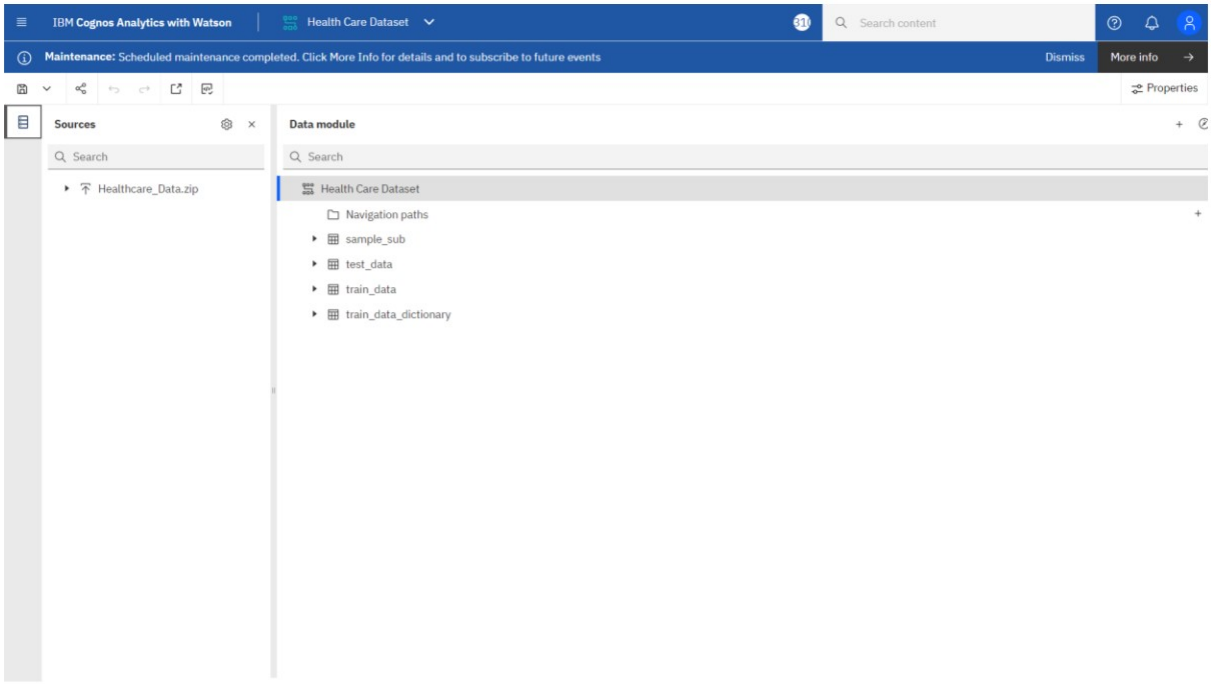
The data file we use is the test_csv which consist of 17 columns and about 137057 rows

LOADING THE DATA :

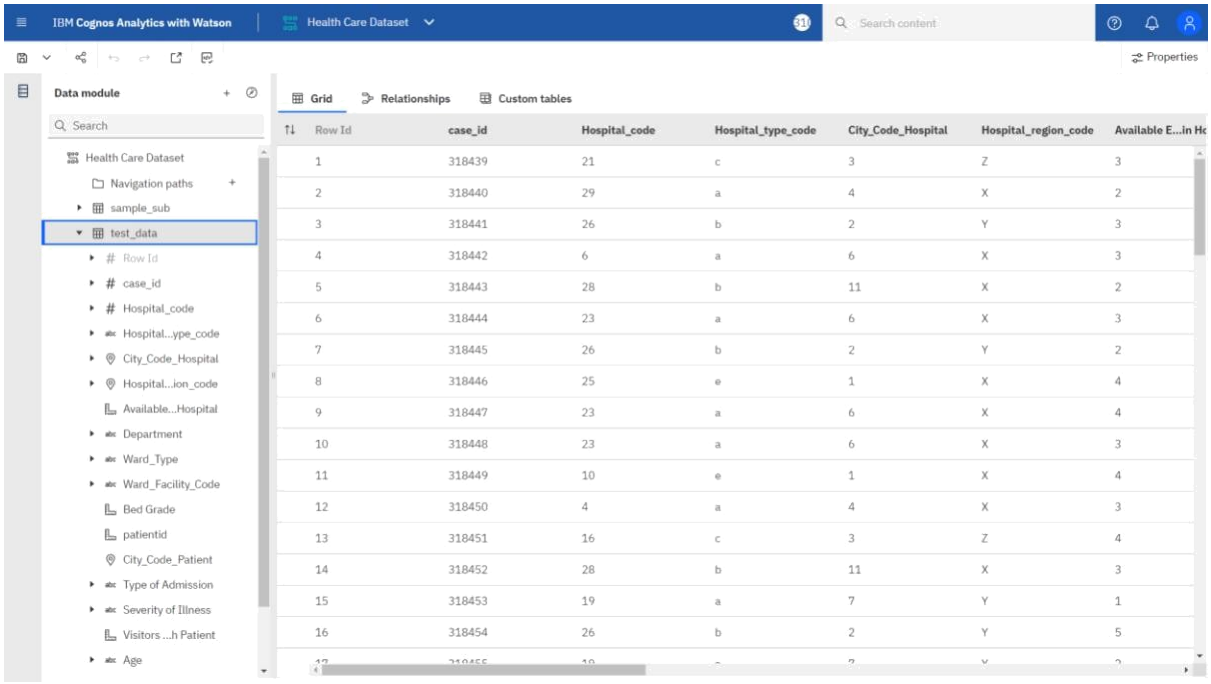
Loading the given data in the IBM Cognos platform and we have named as Health Care Dataset and it has the dataset of

- sample_sub
- test_data
- train_data
- train_data_dictionary


IBM Cognos Analytics with Watson
Content
Search content
Data_Modules
New
My content
Team content
Samples
My content / Data_Modules
50_startups.csv
Last Accessed
9/14/2022, 7:23 AM
CSV
Health Care Dataset
Last Accessed
11/8/2022, 1:21 AM
Pharma_Monthly_Sales.csv
Last Accessed
9/22/2022, 8:08 AM
CSV
sales.csv
Last Accessed
9/14/2022, 1:00 AM
CSV

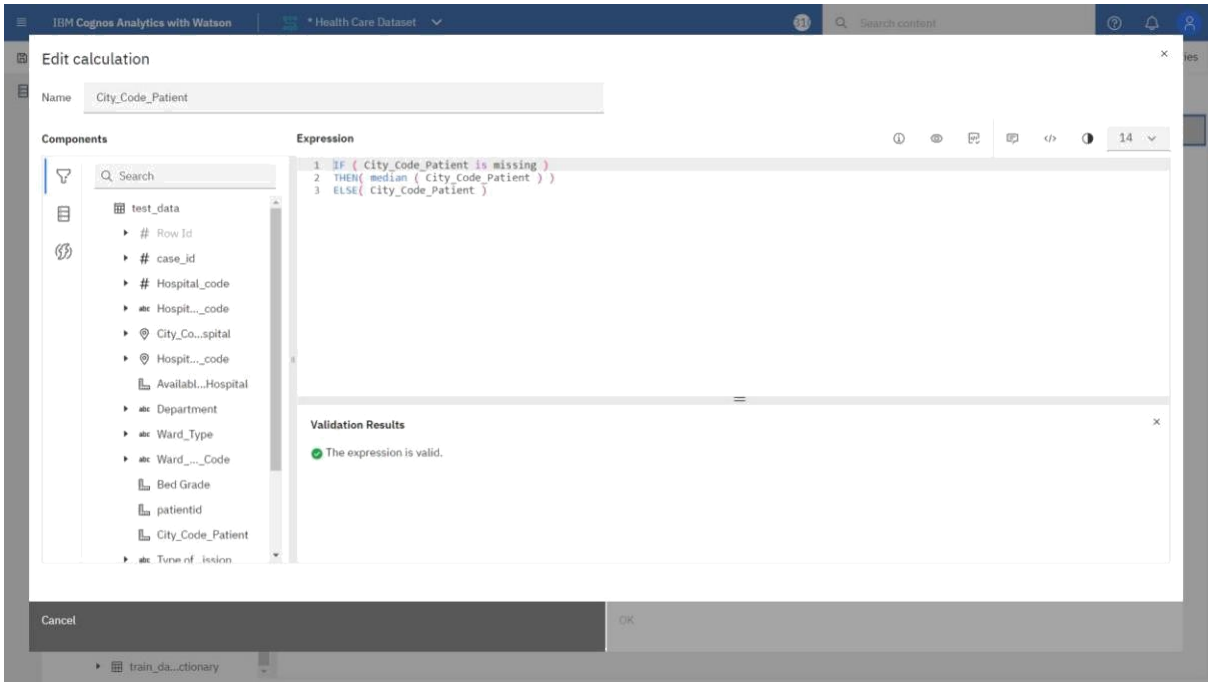

IBM Cognos Analytics with Watson
Health Care Dataset
Search content
Maintenance: Scheduled maintenance completed. Click More Info for details and to subscribe to future events
Dismiss
More info
Properties
Sources
Search
Healthcare_Data.zip
Data module
Search
Health Care Dataset
Navigation paths
sample_sub
test_data
train_data
train_data_dictionary

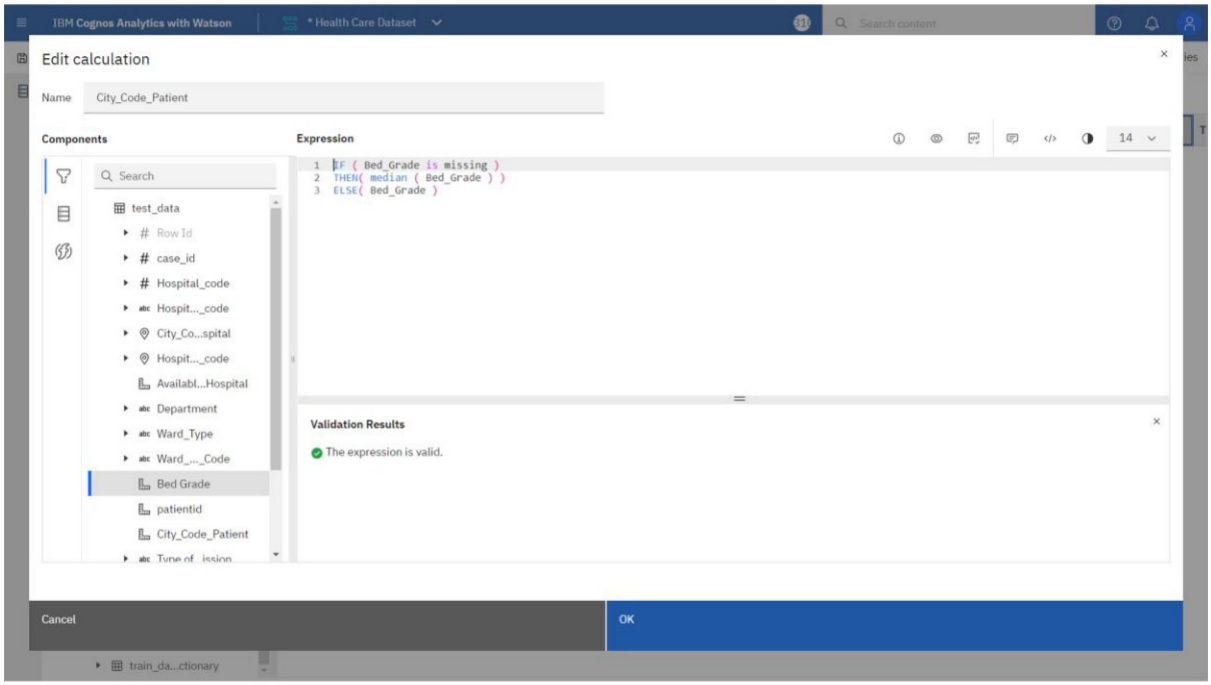
PREPARATION OF DATASET :



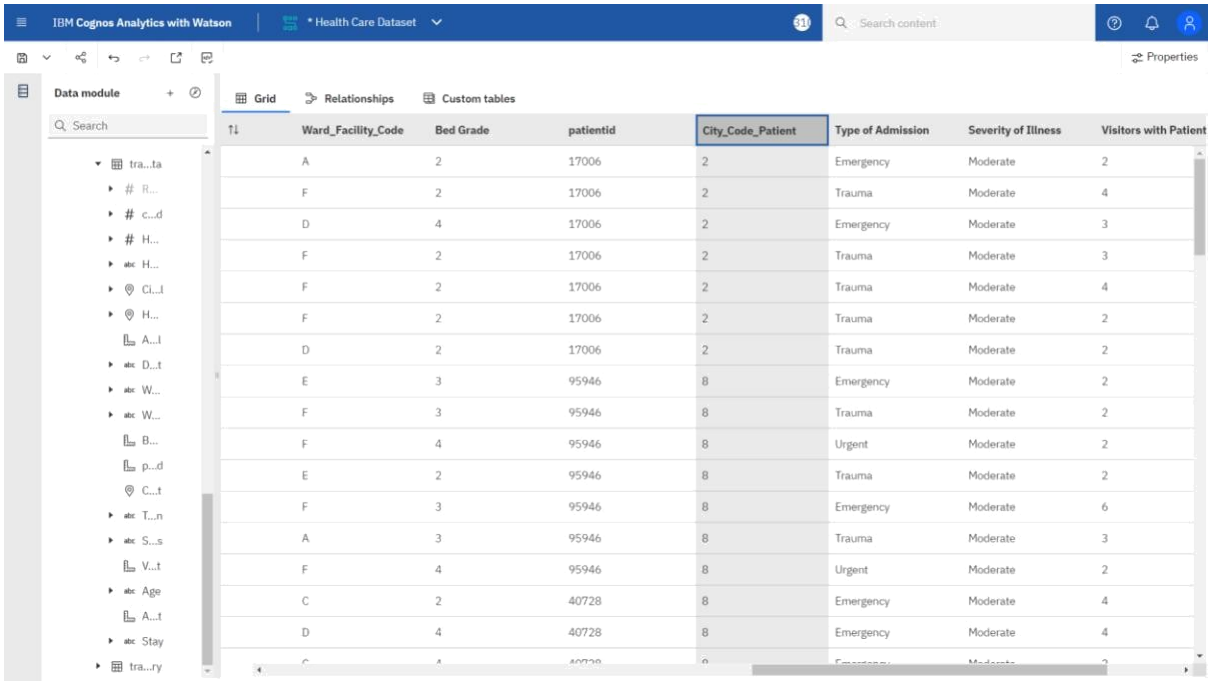
Row Id	case_id	Hospital_code	Hospital_type_code	City_Code_Hospital	Hospital_region_code	Available E...in Ho
1	318439	21	c	3	Z	3
2	318440	29	a	4	X	2
3	318441	26	b	2	Y	3
4	318442	6	a	6	X	3
5	318443	28	b	11	X	2
6	318444	23	a	6	X	3
7	318445	26	b	2	Y	2
8	318446	25	e	1	X	4
9	318447	23	a	6	X	4
10	318448	23	a	6	X	3
11	318449	10	e	1	X	4
12	318450	4	a	4	X	3
13	318451	16	c	3	Z	4
14	318452	28	b	11	X	3
15	318453	19	a	7	Y	1
16	318454	26	b	2	Y	5

DATA PREPARATION :

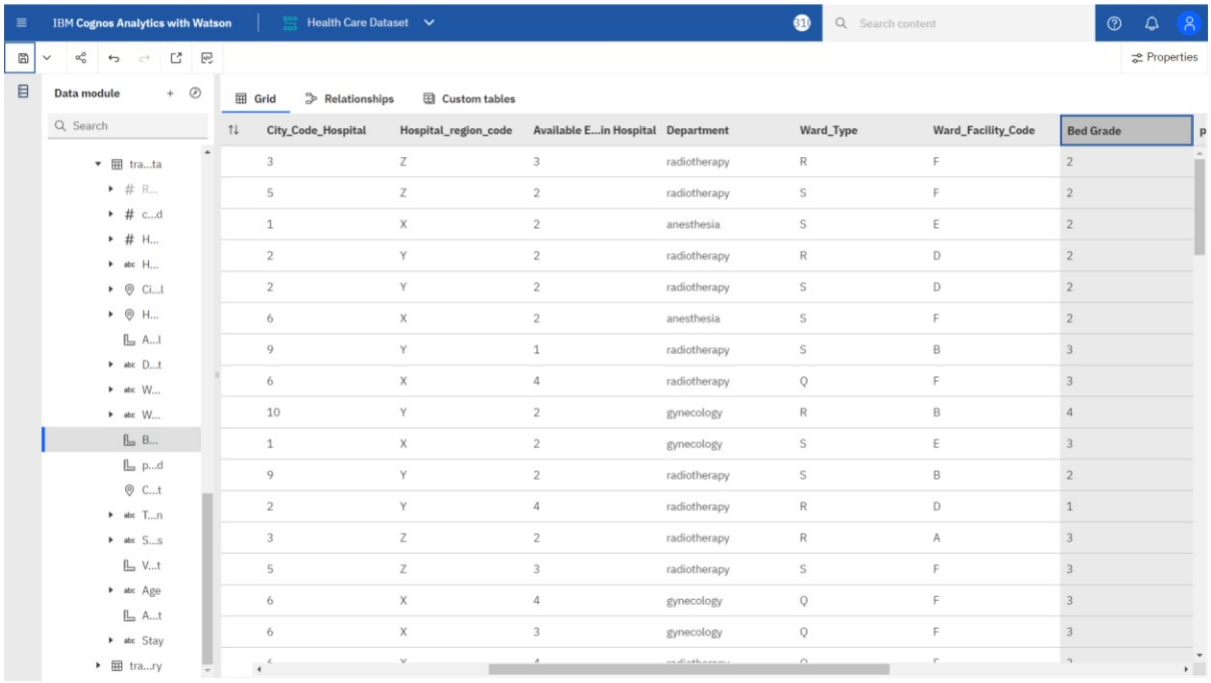




REPLACING THE NULL VALUE :



Ward_Facility_Code	Bed Grade	patientid	City_Code_Patient	Type of Admission	Severity of Illness	Visitors with Patient
A	2	17006	2	Emergency	Moderate	2
F	2	17006	2	Trauma	Moderate	4
D	4	17006	2	Emergency	Moderate	3
F	2	17006	2	Trauma	Moderate	3
F	2	17006	2	Trauma	Moderate	4
F	2	17006	2	Trauma	Moderate	2
D	2	17006	2	Trauma	Moderate	2
E	3	95946	8	Emergency	Moderate	2
F	3	95946	8	Trauma	Moderate	2
F	4	95946	8	Urgent	Moderate	2
E	2	95946	8	Trauma	Moderate	2
F	3	95946	8	Emergency	Moderate	6
A	3	95946	8	Trauma	Moderate	3
F	4	95946	8	Urgent	Moderate	2
C	2	40728	8	Emergency	Moderate	4
D	4	40728	8	Emergency	Moderate	4


IBM Cognos Analytics with Watson
Health Care Dataset
Search content
Properties
Data module
Search
Grid
Relationships
Custom tables
City_Code_Hospital
Hospital_region_code
Available E...in Hospital
Department
Ward_Type
Ward_Facility_Code
Bed Grade
3 Z 3 radiotherapy R F 2
5 Z 2 radiotherapy S F 2
1 X 2 anesthesia S E 2
2 Y 2 radiotherapy R D 2
2 Y 2 radiotherapy S D 2
6 X 2 anesthesia S F 2
9 Y 1 radiotherapy S B 3
6 X 4 radiotherapy Q F 3
10 Y 2 gynecology R B 4
1 X 2 gynecology S E 3
9 Y 2 radiotherapy S B 2
2 Y 4 radiotherapy R D 1
3 Z 2 radiotherapy R A 3
5 Z 3 radiotherapy S F 3
6 X 4 gynecology Q F 3
6 X 3 gynecology Q F 3