Project Development Phase

Delivery of Sprint-1

Date	***18November 2022***
Team ID	***PNT2022TMID41106***
Project Name	**Analytics for Hospital's Health-Care Data**

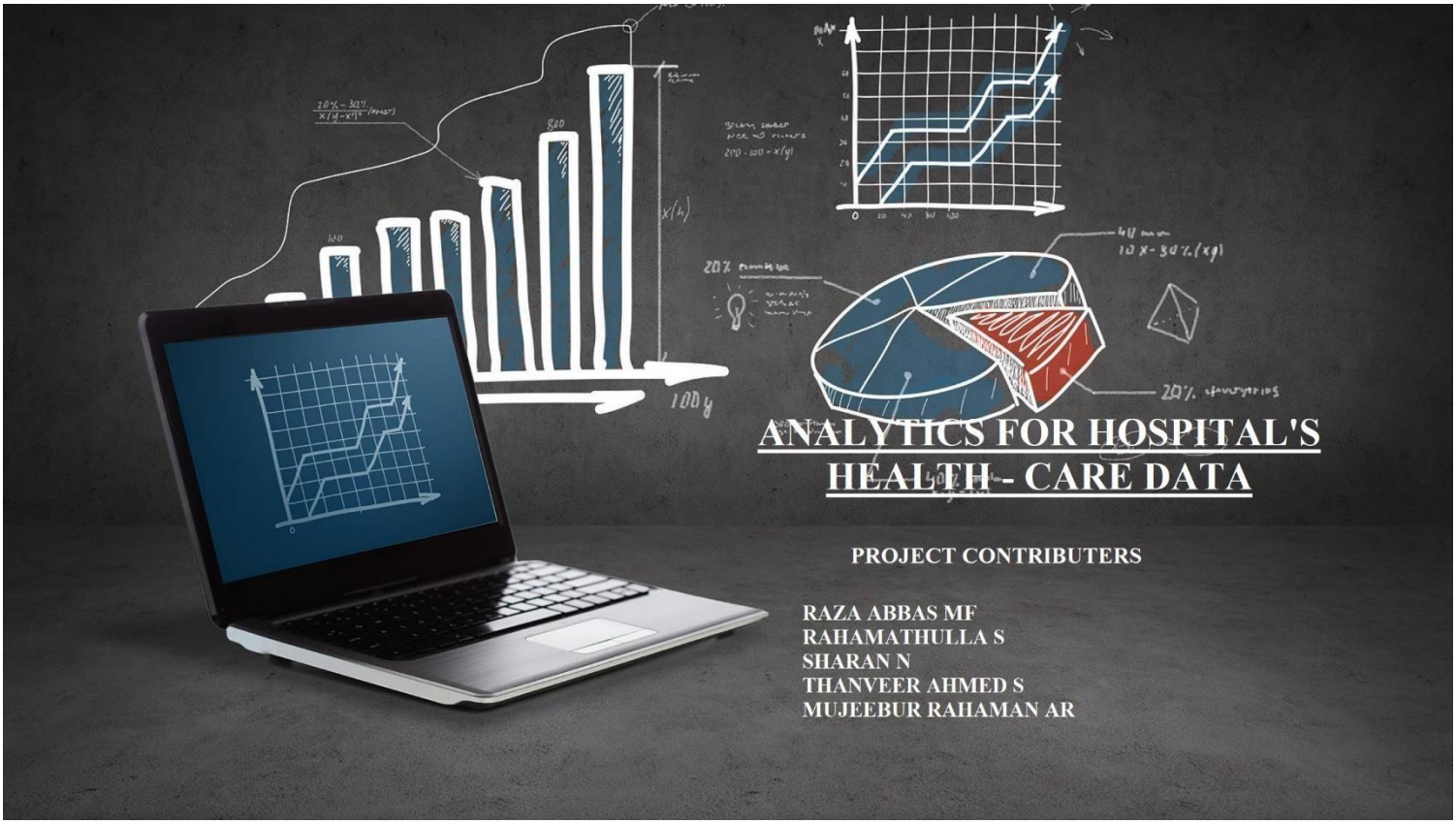
Project Development Phase:

Sprint-1:

- *Data collection*
- *Data preparation* **Sprint-2:**
- Data Exploration

Sprint-3:

- *Dashboard Creation* **Sprint-4:**
- Report Creation
- Story Creation

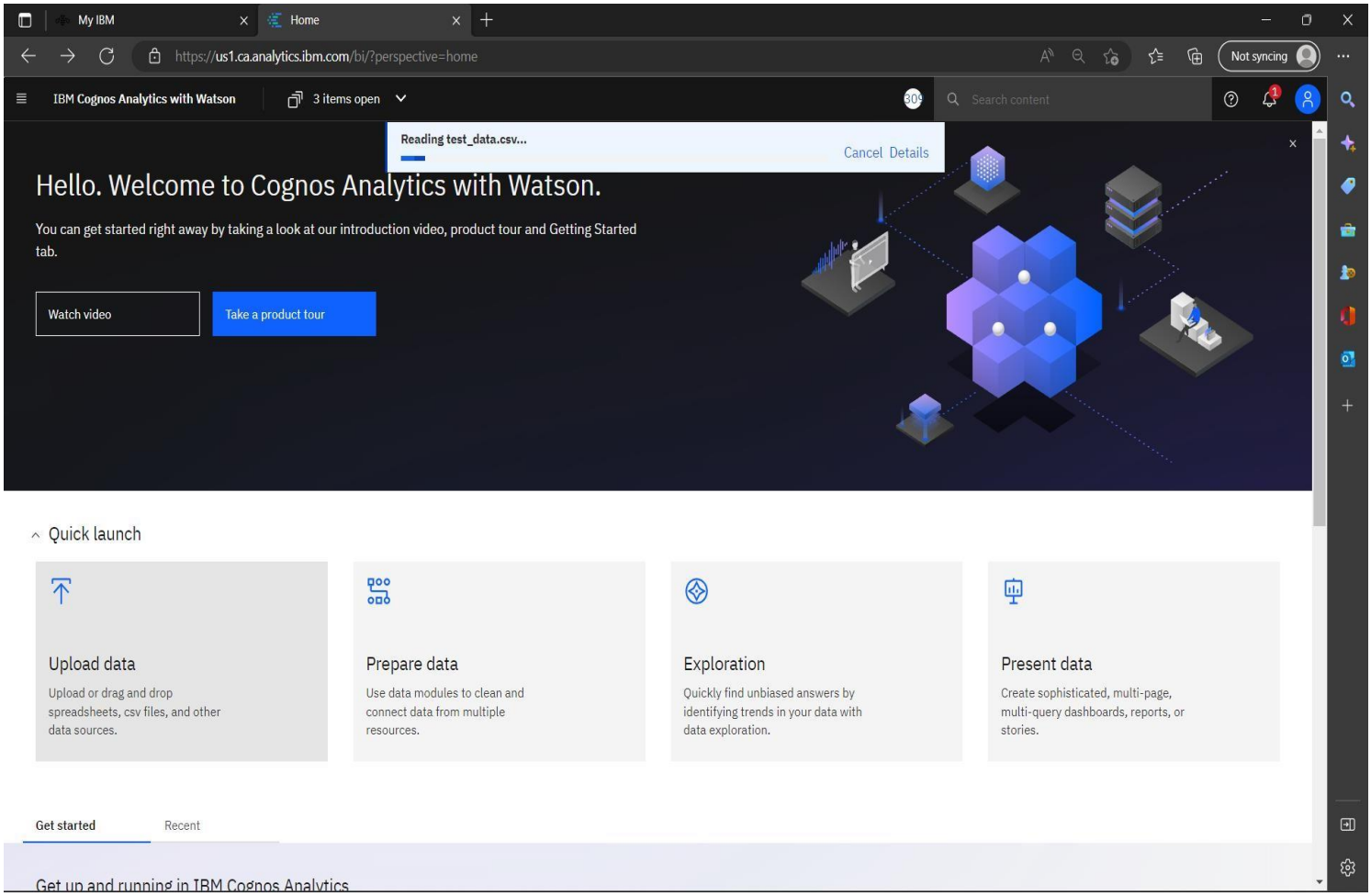


TEAM ID: PNT2022TMID39833

SPRINT-1:

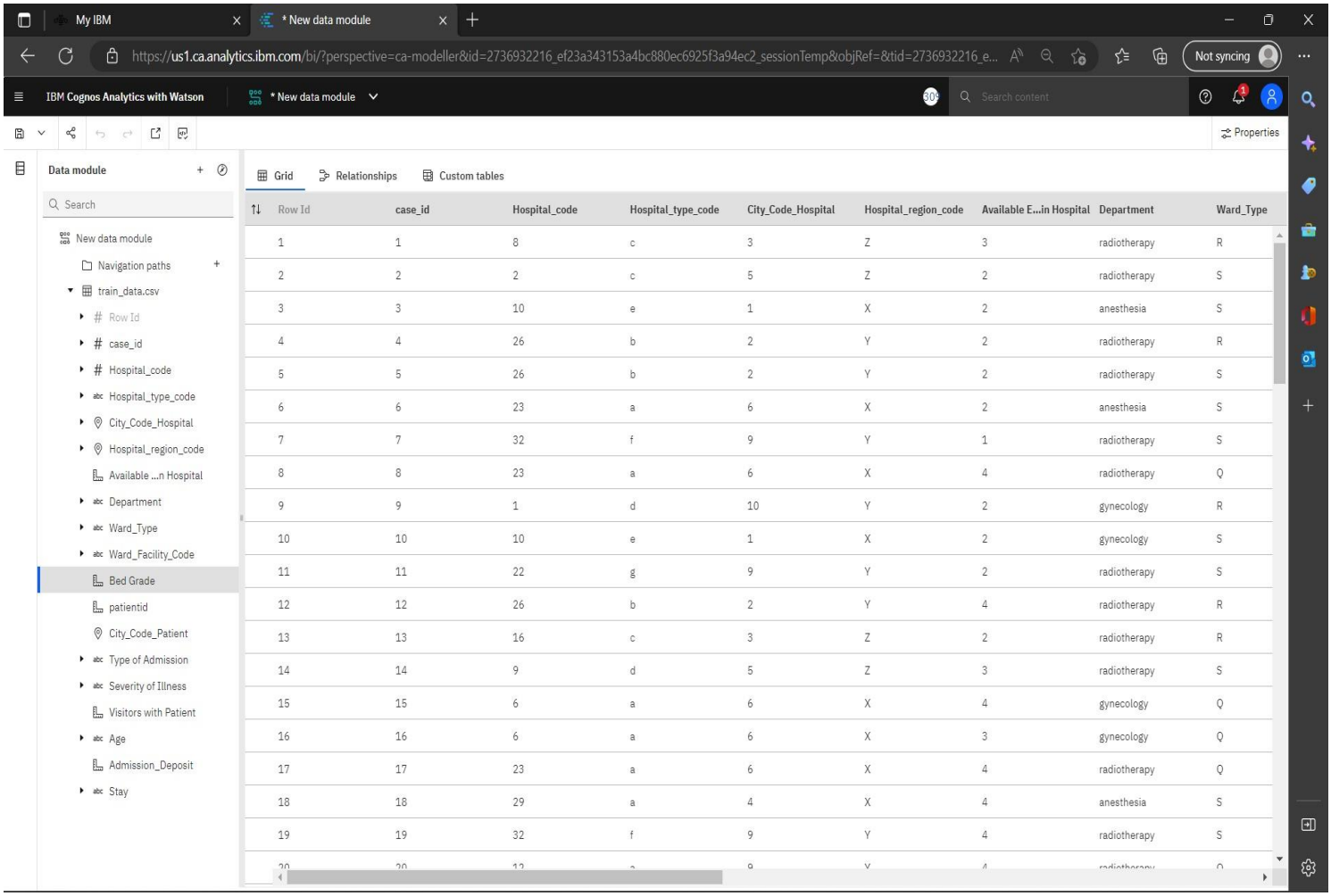
Load the Dataset:

Tool used: IBM Cognos Analytics



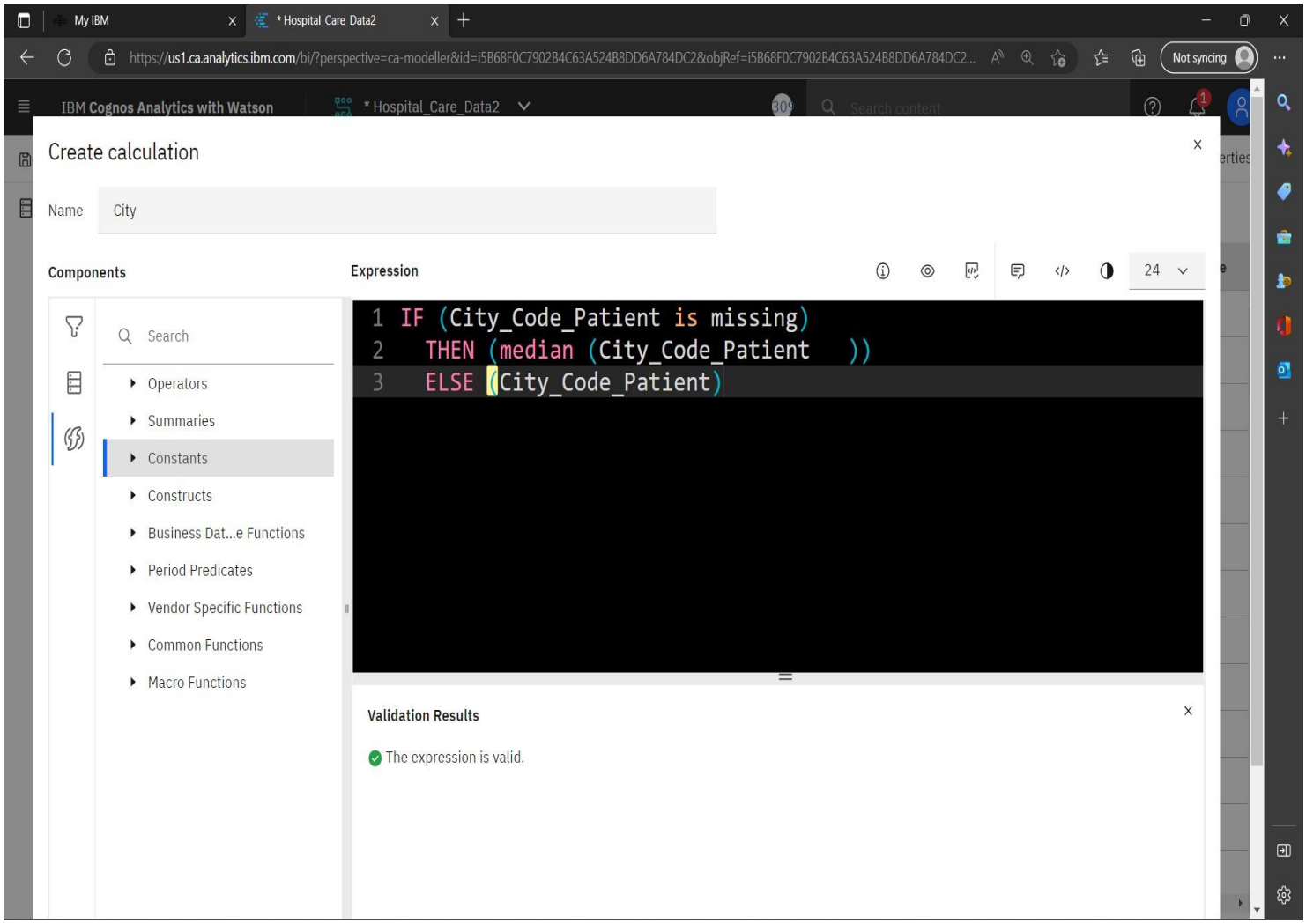
Data Preparation:

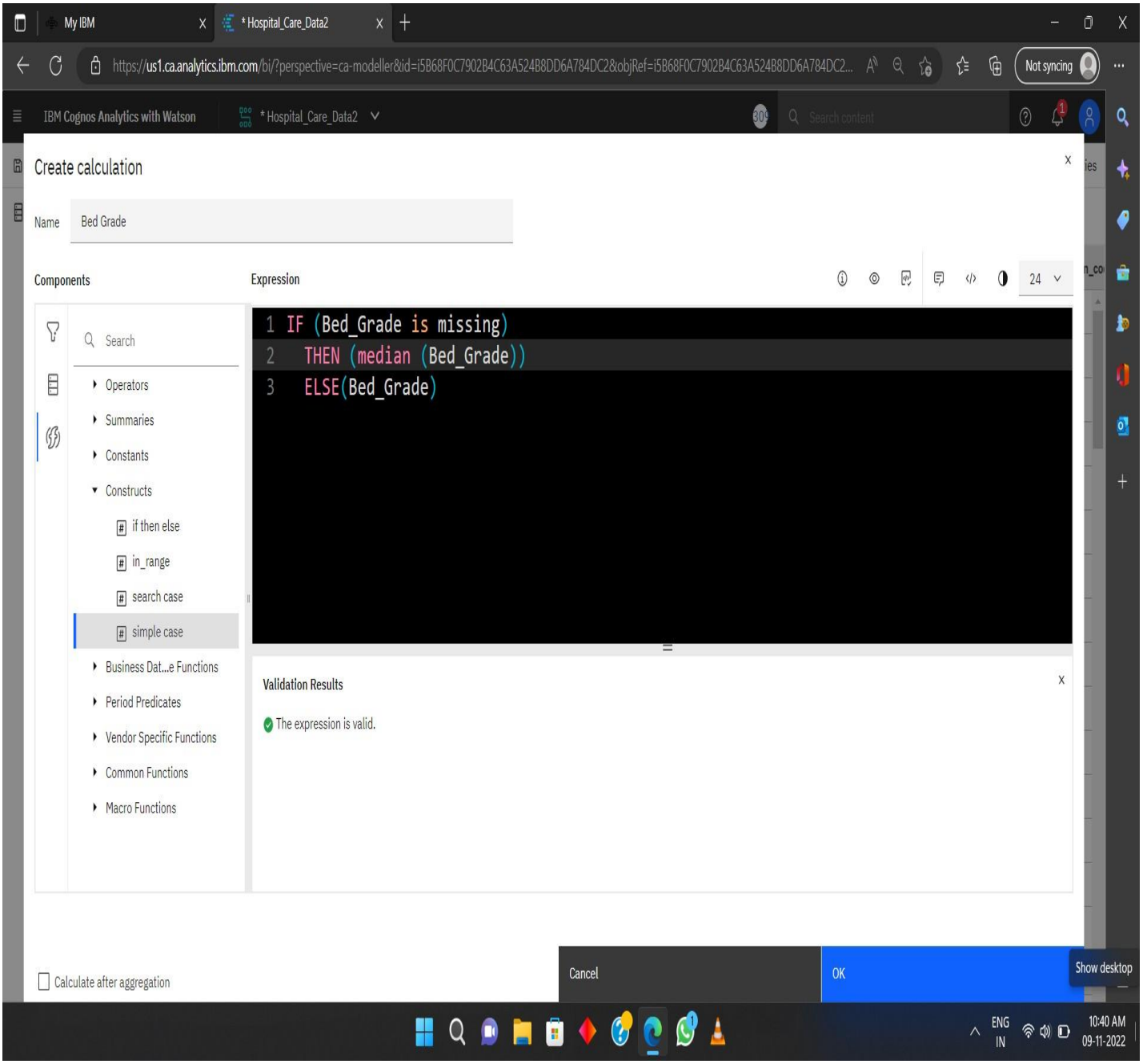
Prepare the Dataset

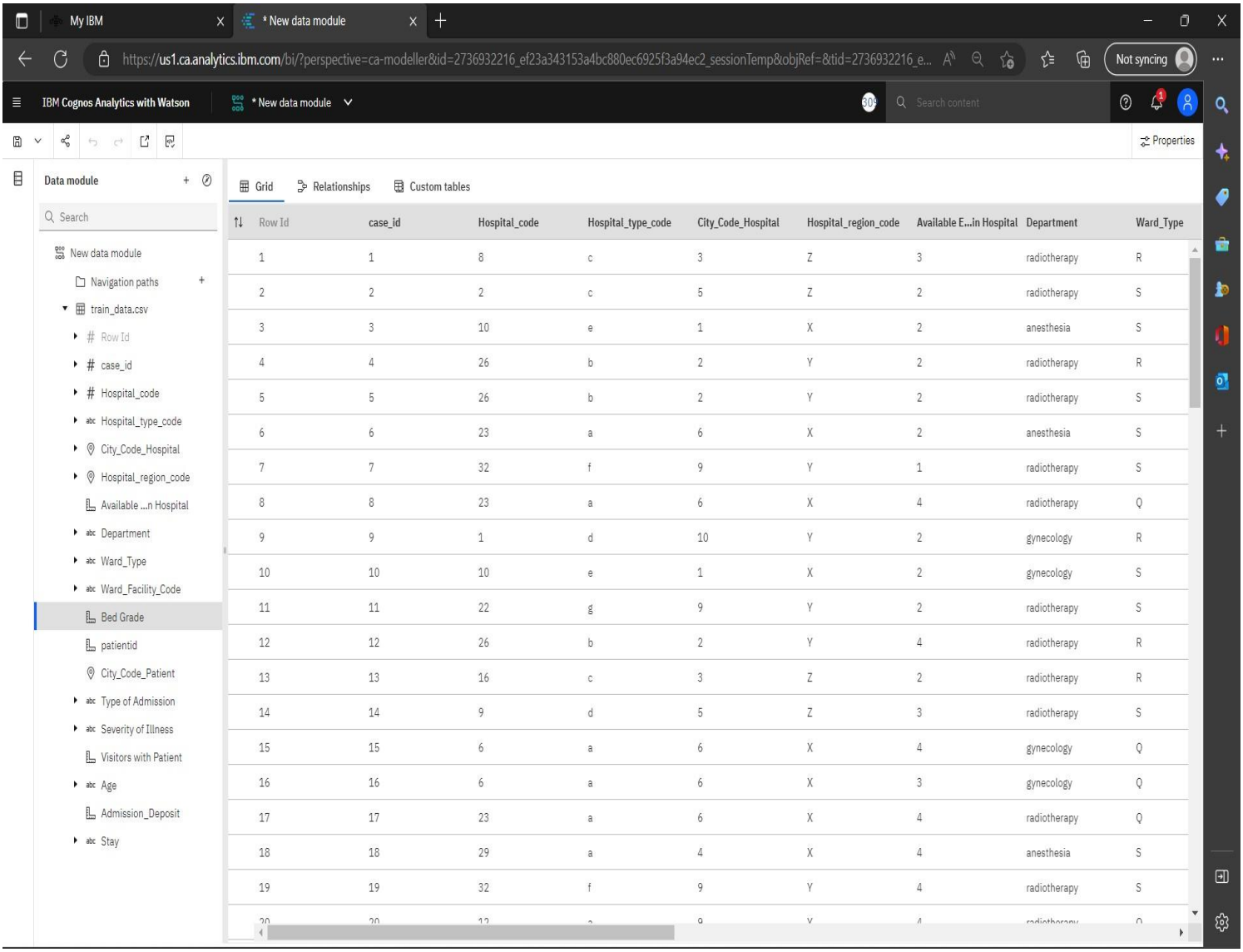


Row Id	case_id	Hospital_code	Hospital_type_code	City_Code_Hospital	Hospital_region_code	Available E...in Hospital	Department	Ward_Type
1	1	8	c	3	Z	3	radiotherapy	R
2	2	2	c	5	Z	2	radiotherapy	S
3	3	10	e	1	X	2	anesthesia	S
4	4	26	b	2	Y	2	radiotherapy	R
5	5	26	b	2	Y	2	radiotherapy	S
6	6	23	a	6	X	2	anesthesia	S
7	7	32	f	9	Y	1	radiotherapy	S
8	8	23	a	6	X	4	radiotherapy	Q
9	9	1	d	10	Y	2	gynecology	R
10	10	10	e	1	X	2	gynecology	S
11	11	22	g	9	Y	2	radiotherapy	S
12	12	26	b	2	Y	4	radiotherapy	R
13	13	16	c	3	Z	2	radiotherapy	R
14	14	9	d	5	Z	3	radiotherapy	S
15	15	6	a	6	X	4	gynecology	Q
16	16	6	a	6	X	3	gynecology	Q
17	17	23	a	6	X	4	radiotherapy	Q
18	18	29	a	4	X	4	anesthesia	S
19	19	32	f	9	Y	4	radiotherapy	S

Null Values Cleaning Process :

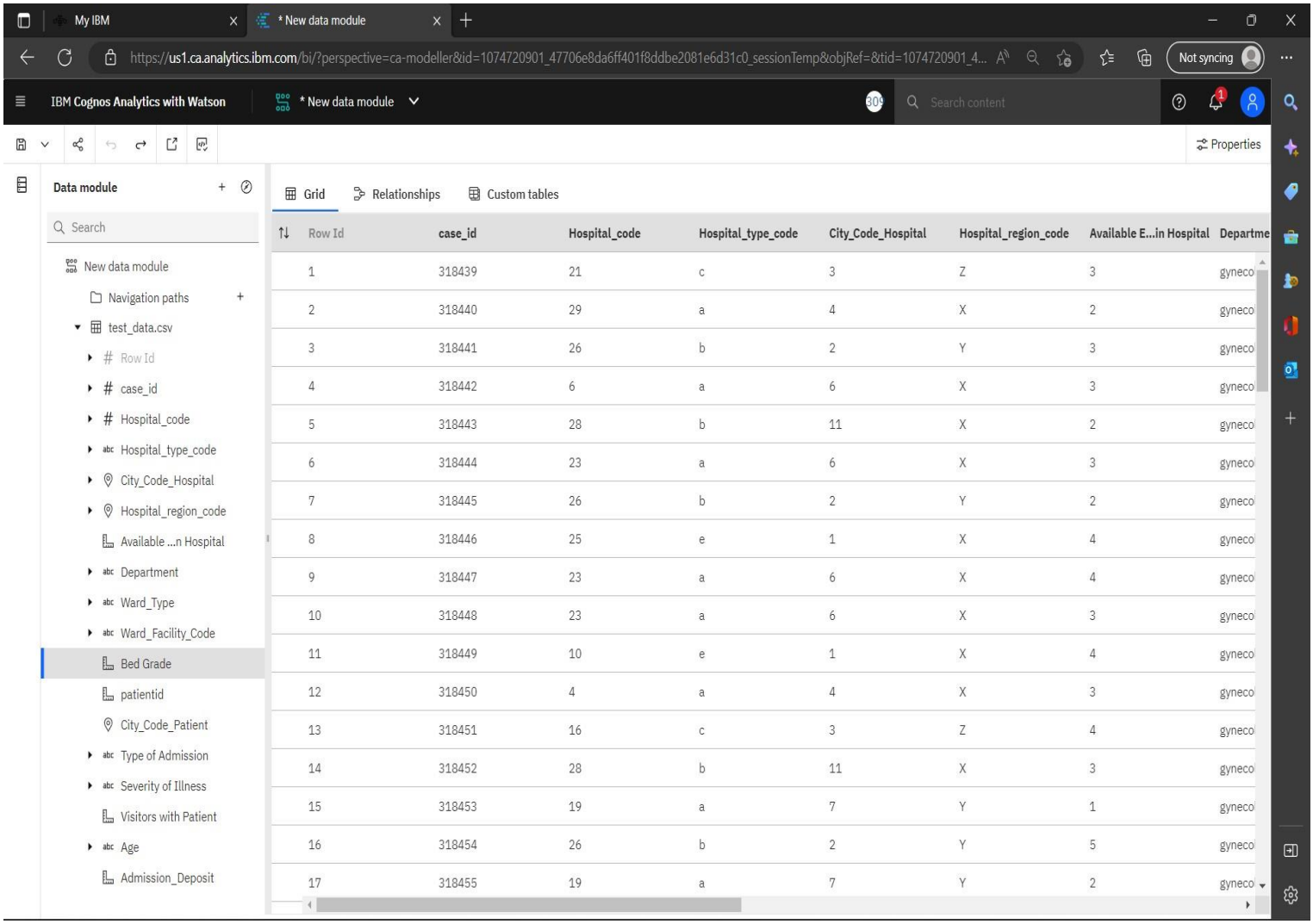

My IBM
* Hospital_Care_Data2
https://us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=i5B68F0C7902B4C63A524B8DD6A784DC2&objRef=i5B68F0C7902B4C63A524B8DD6A784DC2...
Not syncing
IBM Cognos Analytics with Watson
* Hospital_Care_Data2
Search content
Create calculation
Name
City
Components
Expression
24
Search
Operators
Summaries
Constants
Constructs
Business Dat...e Functions
Period Predicates
Vendor Specific Functions
Common Functions
Macro Functions
1 IF (City_Code_Patient is missing)
2 THEN (median (City_Code_Patient))
3 ELSE (City_Code_Patient)
Validation Results
The expression is valid.


My IBM
* Hospital_Care_Data2
https://us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=i5B68F0C7902B4C63A524B8DD6A784DC2&objRef=i5B68F0C7902B4C63A524B8DD6A784DC2...
Not syncing
IBM Cognos Analytics with Watson
* Hospital_Care_Data2
Search content
Create calculation
Name
Bed Grade
Components
Expression
24
Search
Operators
Summaries
Constants
Constructs
if then else
in_range
search case
simple case
Business Dat...e Functions
Period Predicates
Vendor Specific Functions
Common Functions
Macro Functions
1 IF (Bed_Grade is missing)
2 THEN (median (Bed_Grade))
3 ELSE(Bed_Grade)
Validation Results
The expression is valid.
Calculate after aggregation
Cancel
OK
Show desktop
ENG
IN
10:40 AM
09-11-2022

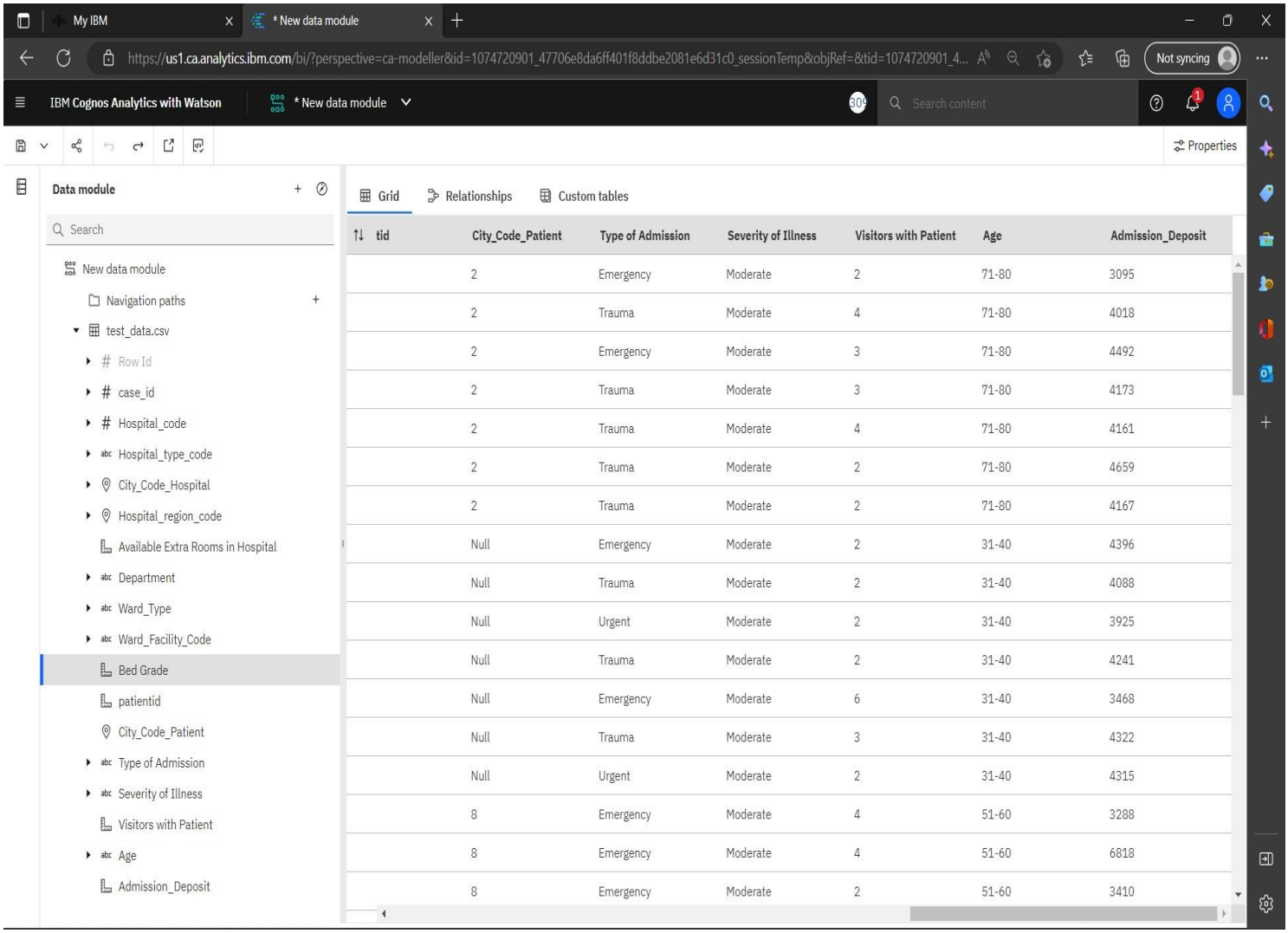


Row Id	case_id	Hospital_code	Hospital_type_code	City_Code_Hospital	Hospital_region_code	Available E...in Hospital	Department	Ward_Type
1	1	8	c	3	Z	3	radiotherapy	R
2	2	2	c	5	Z	2	radiotherapy	S
3	3	10	e	1	X	2	anesthesia	S
4	4	26	b	2	Y	2	radiotherapy	R
5	5	26	b	2	Y	2	radiotherapy	S
6	6	23	a	6	X	2	anesthesia	S
7	7	32	f	9	Y	1	radiotherapy	S
8	8	23	a	6	X	4	radiotherapy	Q
9	9	1	d	10	Y	2	gynecology	R
10	10	10	e	1	X	2	gynecology	S
11	11	22	g	9	Y	2	radiotherapy	S
12	12	26	b	2	Y	4	radiotherapy	R
13	13	16	c	3	Z	2	radiotherapy	R
14	14	9	d	5	Z	3	radiotherapy	S
15	15	6	a	6	X	4	gynecology	Q
16	16	6	a	6	X	3	gynecology	Q
17	17	23	a	6	X	4	radiotherapy	Q
18	18	29	a	4	X	4	anesthesia	S
19	19	32	f	9	Y	4	radiotherapy	S
20	20	12	a	9	Y	4	radiotherapy	Q

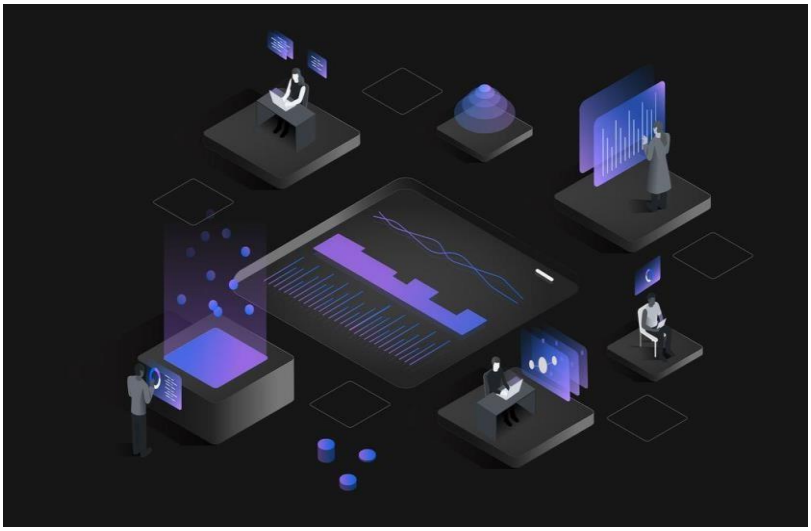
Hospital Data:



Row Id	case_id	Hospital_code	Hospital_type_code	City_Code_Hospital	Hospital_region_code	Available E...in Hospital	Departme
1	318439	21	c	3	Z	3	gyneco
2	318440	29	a	4	X	2	gyneco
3	318441	26	b	2	Y	3	gyneco
4	318442	6	a	6	X	3	gyneco
5	318443	28	b	11	X	2	gyneco
6	318444	23	a	6	X	3	gyneco
7	318445	26	b	2	Y	2	gyneco
8	318446	25	e	1	X	4	gyneco
9	318447	23	a	6	X	4	gyneco
10	318448	23	a	6	X	3	gyneco
11	318449	10	e	1	X	4	gyneco
12	318450	4	a	4	X	3	gyneco
13	318451	16	c	3	Z	4	gyneco
14	318452	28	b	11	X	3	gyneco
15	318453	19	a	7	Y	1	gyneco
16	318454	26	b	2	Y	5	gyneco
17	318455	19	a	7	Y	2	gyneco



tid	City_Code_Patient	Type of Admission	Severity of Illness	Visitors with Patient	Age	Admission_Deposit
	2	Emergency	Moderate	2	71-80	3095
	2	Trauma	Moderate	4	71-80	4018
	2	Emergency	Moderate	3	71-80	4492
	2	Trauma	Moderate	3	71-80	4173
	2	Trauma	Moderate	4	71-80	4161
	2	Trauma	Moderate	2	71-80	4659
	2	Trauma	Moderate	2	71-80	4167
	Null	Emergency	Moderate	2	31-40	4396
	Null	Trauma	Moderate	2	31-40	4088
	Null	Urgent	Moderate	2	31-40	3925
	Null	Trauma	Moderate	2	31-40	4241
	Null	Emergency	Moderate	6	31-40	3468
	Null	Trauma	Moderate	3	31-40	4322
	Null	Urgent	Moderate	2	31-40	4315
	8	Emergency	Moderate	4	51-60	3288
	8	Emergency	Moderate	4	51-60	6818
	8	Emergency	Moderate	2	51-60	3410

Prepared Data Link:

https://us1.ca.analytics.ibm.com/bi/?perspective=camodeller&pathRef=.my_folders%2FHospital_Care_Data