Project Development Phase
Delivery of Sprint-I

Date	12 NOVEMBER 2022
Team ID	PNT2022TMlD22720
Project Name	Analytics for Hospitals' Health-Care Data

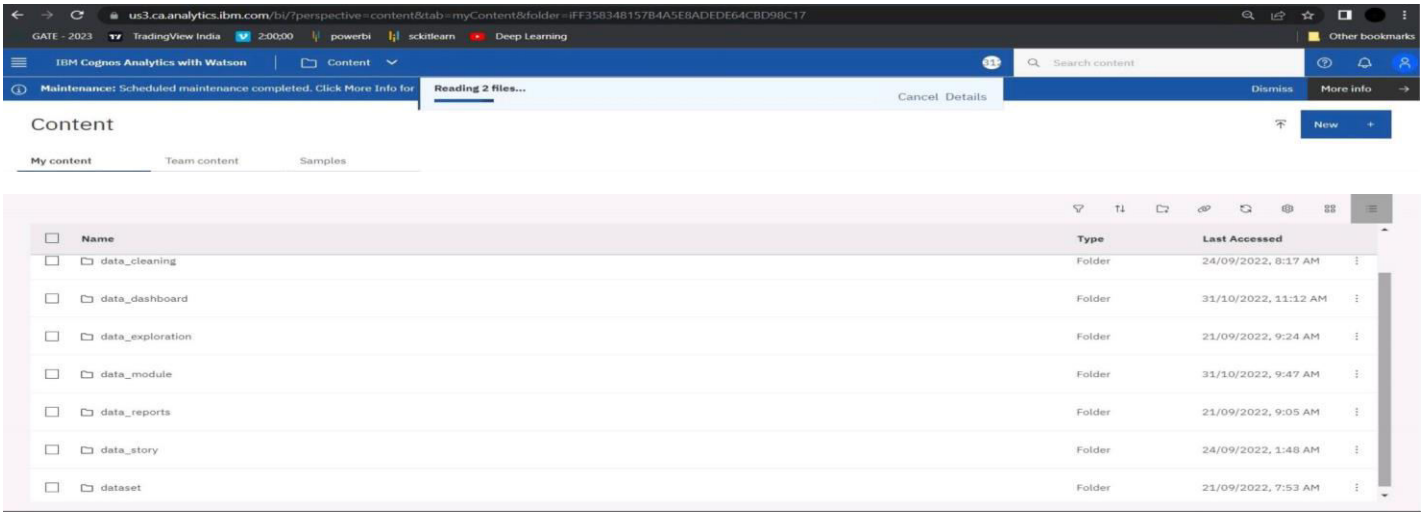
Project Development Phase:

——— Sprint-I:

- Data Collection
- Data Preparation

Sprint-I:

Tool used: IBM Cognos Analytics



Data Preparation: Prepare

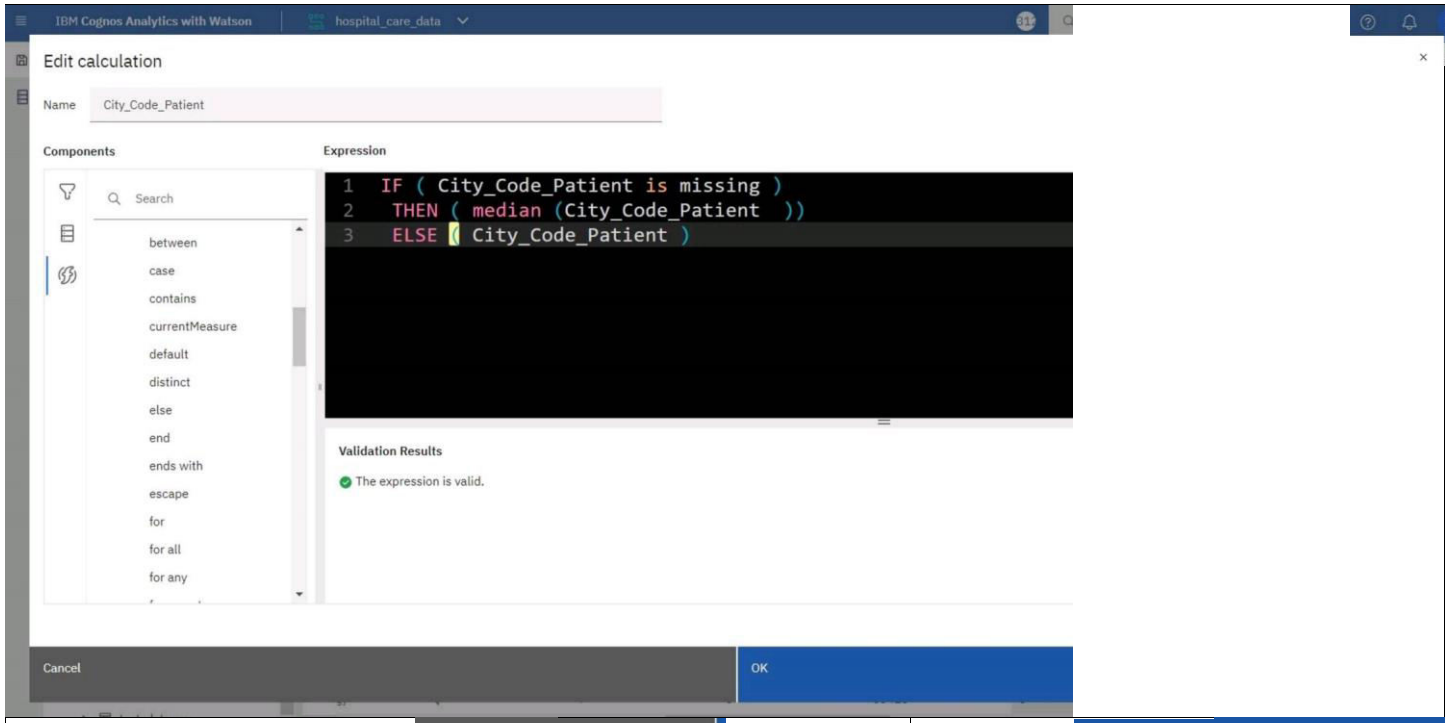
14	14	9	d	5	Z	3	radiotherapy
15	15	6	a	6	X	4	gynecology
16	16	6	a	6	X	3	gynecology

the Dataset

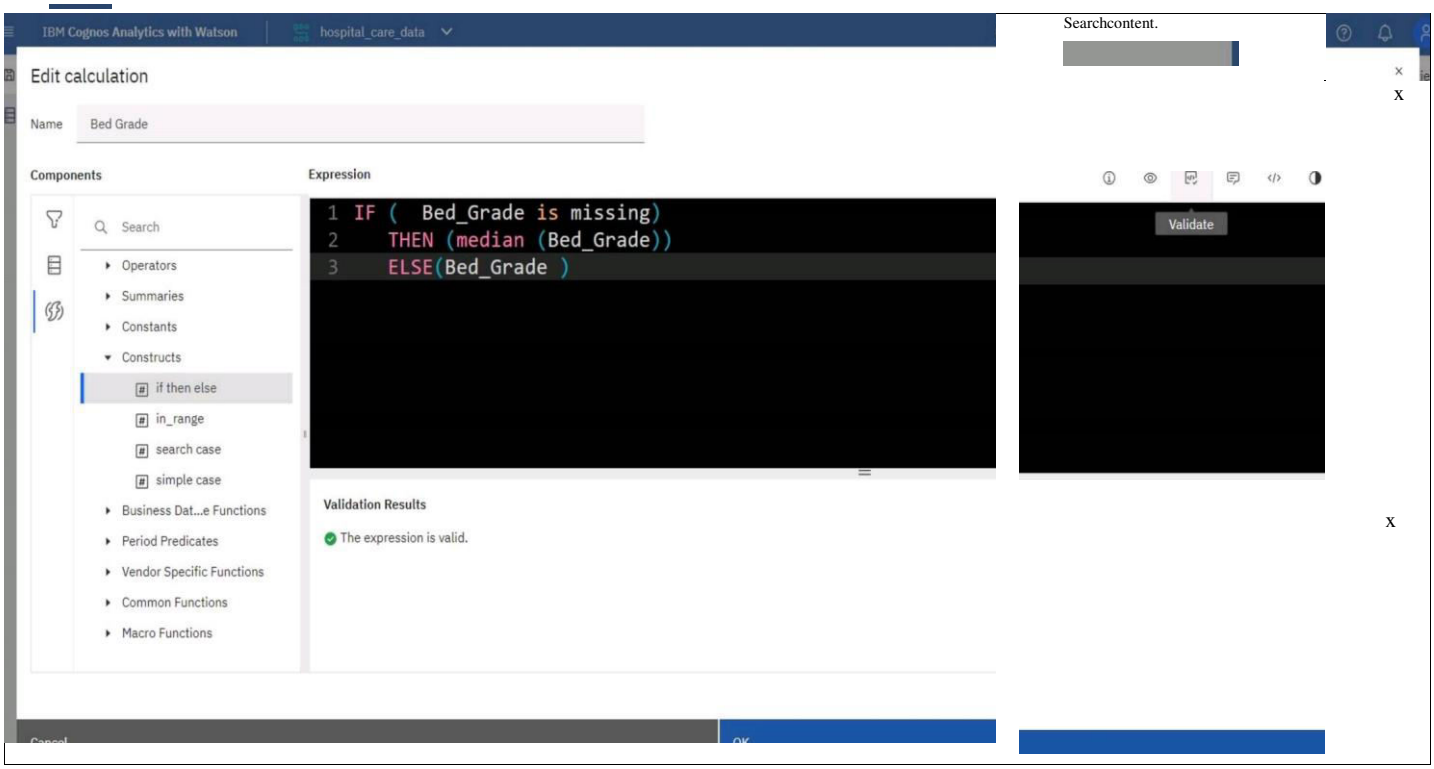
				10			gynecology
10	10	10					gynecology
11	11	22					radiotherapy
12	12		26				radiotherapy
13			16				radiotherapy

Null Values Cleaning Process :

IBM Cognos Analytics with Watson			


IBM Cognos Analytics with Watson
hospital_care_data
Edit calculation
Name
City_Code_Patient
Components
Expression
Search
between
case
contains
currentMeasure
default
distinct
else
end
ends with
escape
for
for all
for any
1 IF (City_Code_Patient is missing)
2 THEN (median (City_Code_Patient))
3 ELSE (City_Code_Patient)
Validation Results
The expression is valid.
Cancel
OK

Cancel	OK



Searchcontent.

x

x

IBM Cognos Analytics with Watson hospital_care_data

Q Search content

Properties

Data module Grid Relationships Custom tables

Q Search ent Ward_Type Ward_Facility_Code Bed Grade patientid train_data.csv apy 2 31397 7

Emergency Extreme

Row Id

City_Code_Patient	Type of Admission	Severity of Illness	Vit
	Trauma	Extreme	
	Trauma	Extreme	
	Trauma	Extreme	
	Trauma	Extreme	
	Trauma	Extreme	
	Emergency	Extreme	
	Trauma	Extreme	
	Trauma	Extreme	
	Trauma	Extreme	
	Urgent	Extreme	

abc

abc

apy	s	2	31397
ia	s	2	31397
apy		2	31397
apy	s	2	31397
ia	s	2	31397
apy	s	3	31397
apy		3	31397
		4	31397
	s	3	31397
apy	s	2	31397
apy		1	31397

I-Jrgent	Extreme
Emergency	Extreme
Urgent	Extreme
Emergency	Extreme

abc

abc

apy		3	31397
apy	s	3	31397
		3	63418

7 case id

Hospital_code7

abc Hospital...pe_code7

City_Cod...Hospital

7

Hospital...ion_code

7

Available...Hospital

abc Department7

abc Ward_Type

7

abc

7

Bed Grade

7 patientid

City_Code_Patient7

Type of Admission

7 abc Severity of Illness

7

Visitors ...h Patient

7

abc

abc

Age

Admissio...Deposit8

Stay

3 63418 8 Emergency Extreme

test_data.cs

v Hospital Data :

Q Search content

Row Id	case id	Hospital_code	Hospital_type code	City_code_Hospital	Hospital_region_code	Available E...in Hospital Department
		8		3	z	3 radiotherapy
		2	c	5	z	2 radiotherapy
		10		1	x	2 anesthesia

Q Search

abc

abc

- train_data.csv

Row Id	1	1							
case_id	2	2							
Hospital_code	3	3							
Hospital...pe code	4	4	26			2		2	radiotherapy
9 City_cod...Hospital									
Hospital„ion code	5	5	26	2	2	radiotherapy			
Available... Hospital	6	6	23	6	x	2	anesthesia		
Department	7	7	32			9		1	radiotherapy
abc Ward_Type							x	4	radiotherapy
abc	8	8	23	6					
Bed Grade	9	9	1	10	2	gynecology			
patientid	10	10	10	1	x	2			gynecology
City_Code_Patient	11	11	22		g	9		2	radiotherapy
abc Type Of Admission									
Severity Of Illness	12	12	26	b	2	4	radiotherapy		
Visitors ...h Patient	13	13	16 3	z	2	radiotherapy			
Age	14	14	9	d	5	z	3	radiotherapy	
Admissio...Deposit	15	15	6			6	x	4	gynecology
Stay							x	3	gynecology

1

6

1

6

IBM Cognos Analytics with Watson | hospital_care_data

6 6 test_data.csv

Q Search content

-o Properties

Data ...dule + Grid Relationships Custom tables

Q Search

- tr...sv

I Grade	patientid	City_Code_Patient	Type of Admission	Severity of Illness	Visitors with Patient	Age	Admission_Deposit	stay
	31397	7	Trauma	Extreme	2	51-60	5954	41-50
	31397	7	Emergency	Extreme	2	51-60	4911	0-10
	31397	7	Trauma	Extreme	2	51-60	4745	31-40

abc

31397	7	Trauma	Extreme	2	51-60	7272	41-50

abc

abc

31397	7	Trauma	Extreme	2	51-60	5558	41-50	
31397	7	Trauma	Extreme	2	51-60	4449	11-20	
D... 31397	7	Emergency	Extreme	2	51-60	6167	0-10	
31397	7	Trauma	Extreme	2	51-60	5571	41-50	
abc 31397	7	Trauma	Extreme	2	51-60	7223	51-60	
31397	7	Trauma	Extreme	2	51-60	6056	31-40	
31397	7	Urgent	Extreme	2	51-60	5797	21-30	
31397	7	Urgent	Extreme	2	51-60	5993	11-20	
~~31397~~	~~7~~	~~Emergency~~	~~Extreme~~	~~2~~	~~51-60~~	~~5141~~	~~0-10~~	
31397	7	Urgent	Extreme	2	51-60	8477	21-30	
63418	8	Emergency	Extreme	2	71-80	2685	0-10	
Sta 63418	8	Emergency	Extreme	2	71-80	9398	0-10 te...sv	

abc

abc