Project Development Phase
Delivery of Sprint-1

Date	12 NOVEMBER 2022
Team ID	PNT2022TMID28702
Project Name	Analytics for Hospitals' Health-Care Data

Project Development Phase:
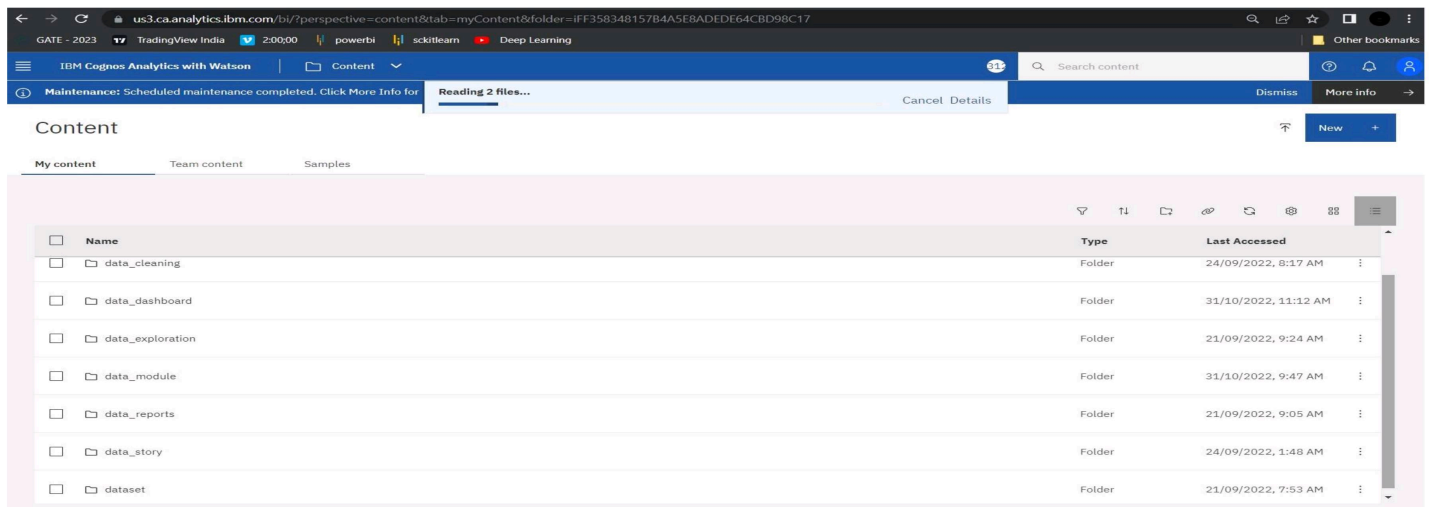
Sprint-1:
➢ Data Collection
➢ Data Preparation

Sprint-1:

Data Collection: Download the Dataset Dataset link :

https://drive.google.com/drive/folders/1qozDgfVw04hGS8Di_SFhUNdUKUdjkhrT?usp=sharing

Load the Dataset:

Tool used: IBM Cognos Analytics

Data Preparation:
Prepare the Dataset

Null Values Cleaning Process :
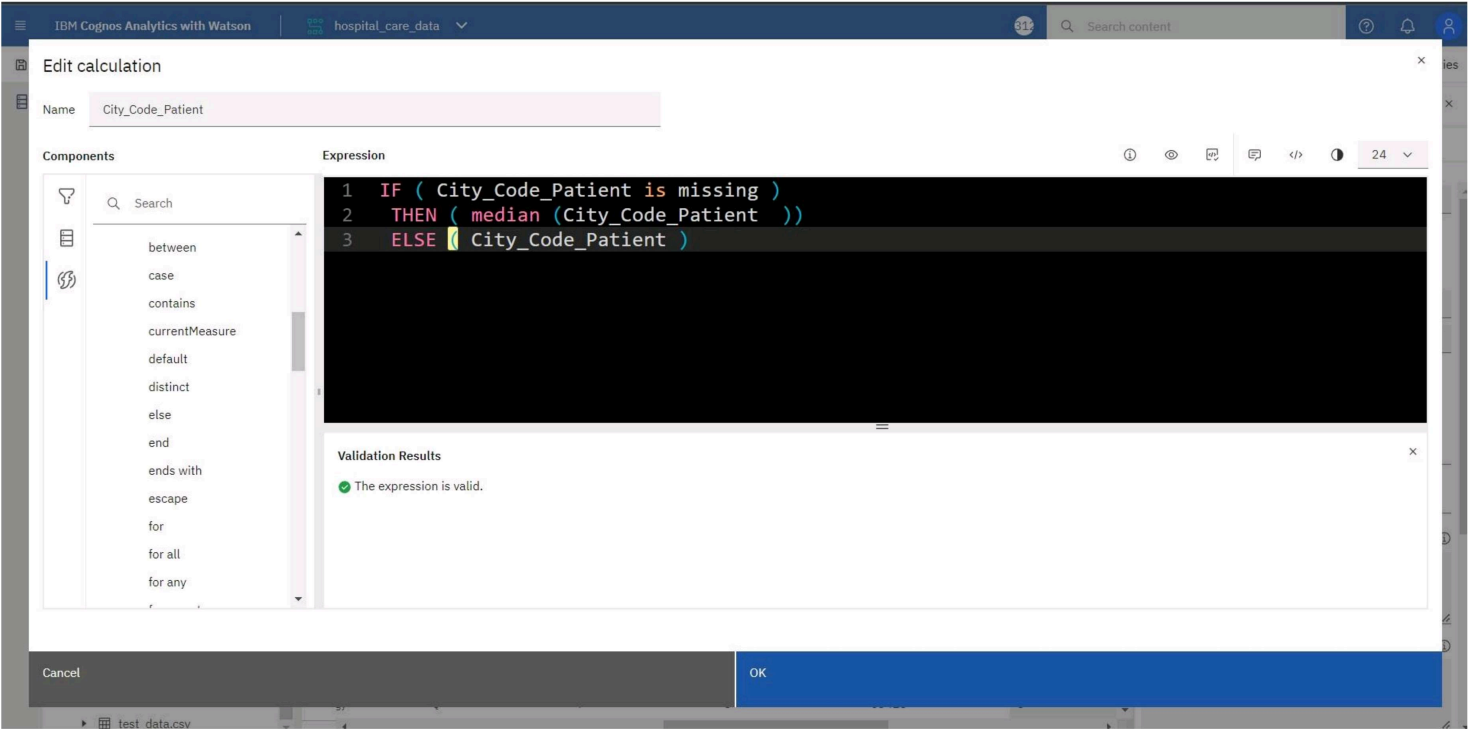
Edit calculation

Name: City_Code_Patient

Components   **Expression**

Search

```
between
case                    1   IF ( City_Code_Patient is missing )
contains                2     THEN ( median (City_Code_Patient ))
currentMeasure          3     ELSE ( City_Code_Patient )
default
distinct
else
end
ends with
escape
for
for all
for any
```

Validation Results

✔ The expression is valid.

Cancel   OK

Q Search content

Edit calculation ✕

Name Bed Grade

Components

Expression

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Q 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 )
```

Validate

═

Validation Results ✕

✅ The expression is valid.

Cancel

OK

▸ ⊞ test_data.csv

Properties

Data module   + ⊘

🔍 Search

▼ ⊞ train_data.csv
   ▸ # Row Id
   ▸ # case_id
   ▸ # Hospital_code
   ▸ abc Hospital...pe_code
   ▸ ⊙ City_Cod...Hospital
   ▸ ⊙ Hospital...ion_code
      Available...Hospital
   ▸ abc Department
   ▸ abc Ward_Type
   ▸ abc Ward_Fa...ty_Code
      Bed Grade
      patientid
      ⊙ City_Code_Patient
   ▸ abc Type of Admission
   ▸ abc Severity of Illness
      Visitors ...h Patient
   ▸ abc Age
      Admissio...Deposit
   ▸ abc Stay
▸ ⊞ test_data.csv

⊞ Grid   ⊰ Relationships   ⊞ Custom tables

⇅ ent	Ward_Type	Ward_Facility_Code	Bed Grade	patientid	City_Code_Patient	Type of Admission	Severity of Illness	Vis
apy	R	F	2	31397	7	Emergency	Extreme	
apy	S	F	2	31397	7	Trauma	Extreme	
ia	S	E	2	31397	7	Trauma	Extreme	
apy	R	D	2	31397	7	Trauma	Extreme	
apy	S	D	2	31397	7	Trauma	Extreme	
ia	S	F	2	31397	7	Trauma	Extreme	
apy	S	B	3	31397	7	Emergency	Extreme	
apy	Q	F	3	31397	7	Trauma	Extreme	
gy	R	B	4	31397	7	Trauma	Extreme	
gy	S	E	3	31397	7	Trauma	Extreme	
apy	S	B	2	31397	7	Urgent	Extreme	
apy	R	D	1	31397	7	Urgent	Extreme	
apy	R	A	3	31397	7	Emergency	Extreme	
apy	S	F	3	31397	7	Urgent	Extreme	
gy	Q	F	3	63418	8	Emergency	Extreme	
gy	Q	F	3	63418	8	Emergency	Extreme	

Hospital Data :

⊟ ⌄ ⌁ ↶ ↷ ⌷ ⊡   ⇄ Properties

⊟ | Data ...dule | + ⊘

Q Search

▾ ⊞ tr...sv
  ▸ # R...
  ▸ # c...
  ▸ # H...
  ▸ abc H...
  ▸ ⊙ C...
  ▸ ⊙ H...
    ⊫ A...
  ▸ abc D...
  ▸ abc ...
  ▸ abc ...
    ⊫ B...
    ⊫ p...
    ⊙ C...
  ▸ abc T...
  ▸ abc S...
    ⊫ V...
  ▸ abc Age
    ⊫ A...
  ▸ abc Sta
▸ ⊞ te...sv

⊞ Grid   ⇾ Relationships   ⊞ Custom tables

↑↓ I Grade	patientid	City_Code_Patient	Type of Admission	Severity of Illness	Visitors with Patient	Age	Admission_Deposit	Stay
	31397	7	Emergency	Extreme	2	51-60	4911	0-10
	31397	7	Trauma	Extreme	2	51-60	5954	41-50
	31397	7	Trauma	Extreme	2	51-60	4745	31-40
	31397	7	Trauma	Extreme	2	51-60	7272	41-50
	31397	7	Trauma	Extreme	2	51-60	5558	41-50
	31397	7	Trauma	Extreme	2	51-60	4449	11-20
	31397	7	Emergency	Extreme	2	51-60	6167	0-10
	31397	7	Trauma	Extreme	2	51-60	5571	41-50
	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
	63418	8	Emergency	Extreme	2	71-80	9398	0-10