Project Development Phase
Delivery of Sprint-1

Date	29 OCT 2022
Team ID	PNT2022TMID33111
Project Name	Analytics for Hospitals' 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

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

Prepare the Dataset

Search content

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 )
```

24

Validation Results

✓ The expression is valid.

Cancel

OK

test_data.csv

IBM Cognos Analytics with Watson

hospital_care_data

Edit calculation

Name Bed Grade

Components

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

Expression

24

```
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

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	Vi:
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	
ɜy	R	B	4	31397	7	Trauma	Extreme	
ɜy	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	
ɜy	Q	F	3	63418	8	Emergency	Extreme	
ɜy	Q	F	3	63418	8	Emergency	Extreme	

Hospital Data :

Data ...dule + ⊘

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