Project Development Phase
Delivery of Sprint-1

Date	01 NOV 2022
Team ID	PNT2022TMID42093
Project Name	Analytics for Hospitals' Health-Care Data

Project Development Phase:

Sprint-1:
➢ Data Collection
➢ Data Preparation

Sprint-2:
➢ Data Exploration
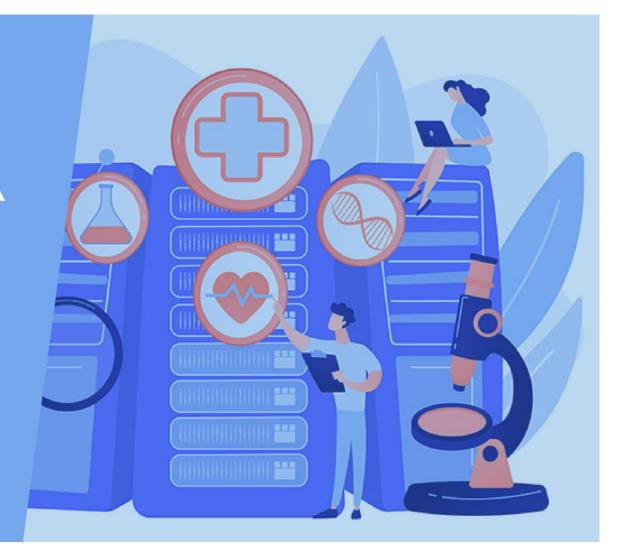
Sprint-3:
➢ Dashboard Creation

Sprint-4:
➢ Report Creation
➢ Story Creation

ANALYTICS FOR HOSPITAL'S HEALTH – CARE DATA

PROJECT CONTRIBUTERS

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Sprint-1:

DOWNLOAD THE DATA SET

Load the Dataset:

Tool used: IBM Cognos Analytics

Data Preparation:
Prepare the Dataset

Null Values Cleaning Process :

Edit calculation

Name Bed Grade

Components

Expression

						24

```
1  IF (  Bed_Grade is missing)
2      THEN (median (Bed_Grade))
3      ELSE(Bed_Grade )
```

Validate

- ▶ 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

Validation Results

✓ The expression is valid.

Cancel

OK

▶ ▦ test_data.csv

Data module

Grid | Relationships | Custom tables

Search

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	

Data module tree:
- 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

Hospital Data :

Data ...dule + ⊘

🔍 Search

Grid | Relationships | Custom tables

▼ ⊞ 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

↕ 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

THANK YOU...