Project Development Phase
Delivery of Sprint-1

Date	29 OCT 2022
Team ID	PNT2022TMID18216
Project Name	Analytics for Hospitals' Health-Care Data

Project Development Phase:

Sprint-1:
- ➢ Data Collection
- ➢ Data Preparation

Sprint-2:
- ➢ Data Exploration

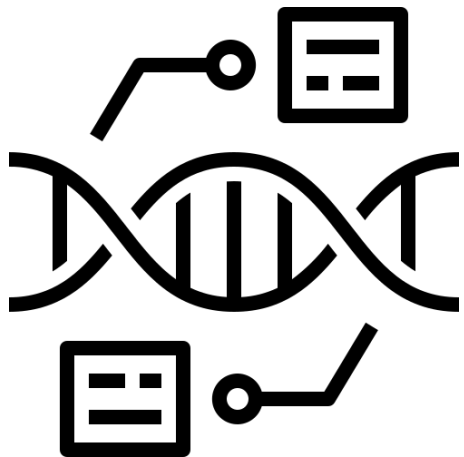**Sprint-3:**
- ➢ Dashboard Creation

Sprint-4:
- ➢ Report Creation
- ➢ Story Creation

Analytics For Hospital and Health-Care Data

TEAM ID: PNT2022TMID18216

Team Members

- Selvakumar *
- Swetha
- Aad hish
- R athnavar ma

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 Bed Grade

Components

Expression

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🔍 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   +   ⊘

Q 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	
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 :

Data ...dule

Grid | Relationships | Custom tables

Properties

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

Prepared data link :

https://us3.ca.analytics.ibm.com/bi/?perspective=ca-modeller&pathRef=.my_folders%2Fdata_module%2Fhospital_care_data