

# **Project Development Phase**

## **Delivery of Sprint-3**

<b>Date</b>	<b>9 Nov 2022</b>
<b>Team ID</b>	<b>PNT2022TMID39833</b>
<b>Project Name</b>	<b>Analytics for Hospital's Health-Care Data</b>

### **Project Development Phase:**

#### **Sprint-1:**

- **Data Collection**
- **Data Preparation**

#### **Sprint-2:**

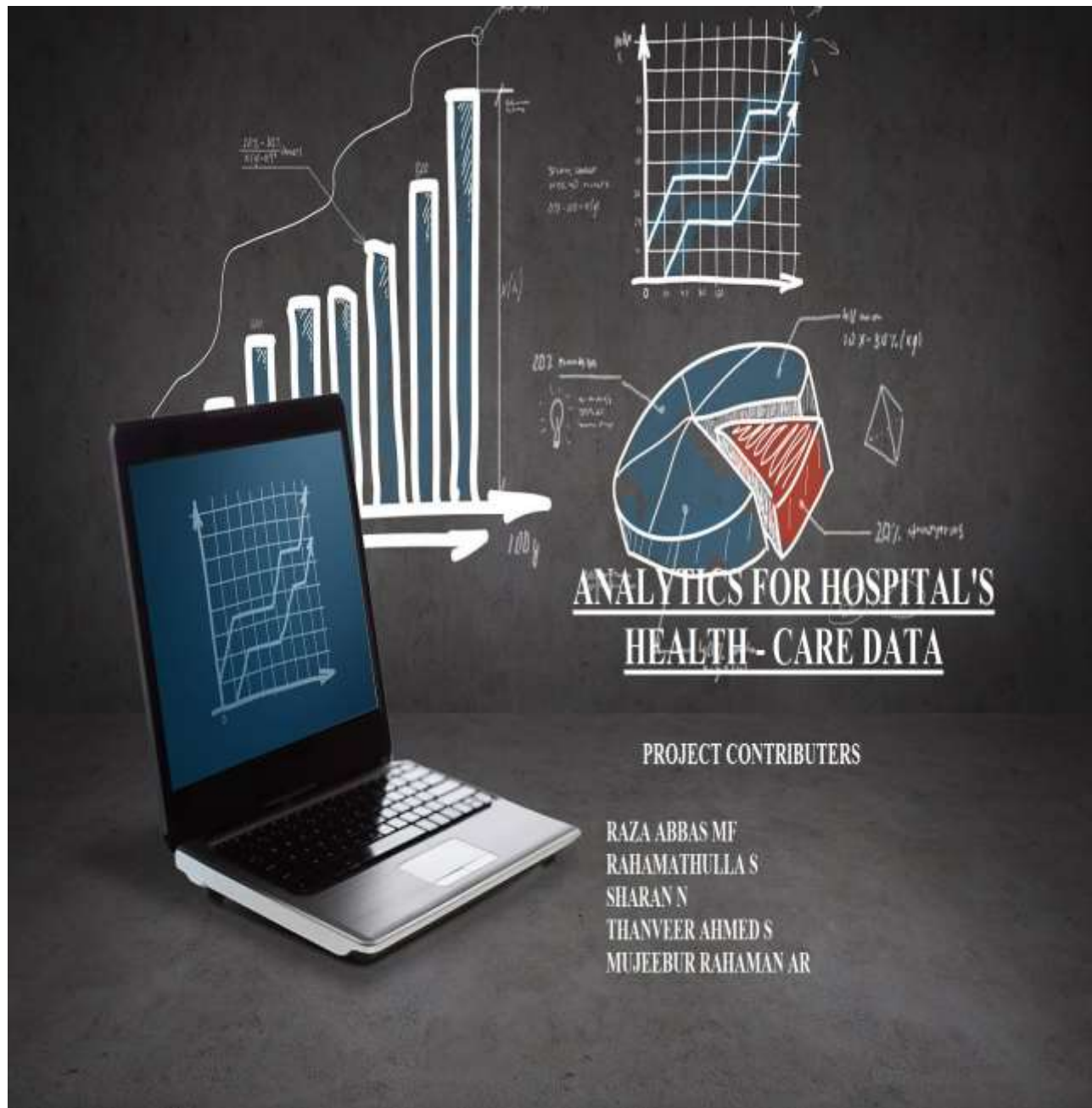
- **Data Exploration**

#### **Sprint-3:**

- **Dashboard Creation**

#### **Sprint-4:**

- **Report Creation**
- **Story Creation**



**TEAM ID : PNT2022TMID39833**

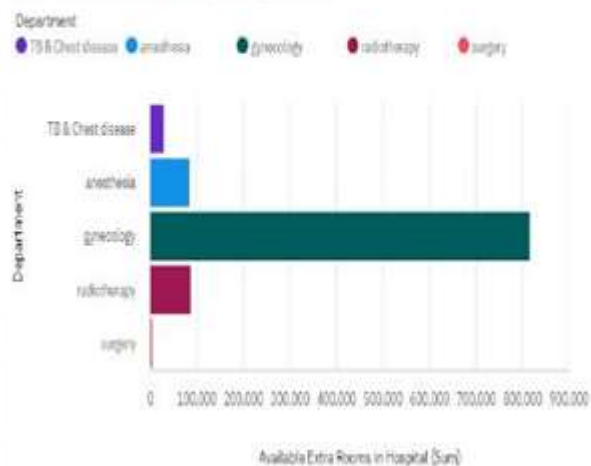
# **Dashboard Creation**

## **TAB-1**

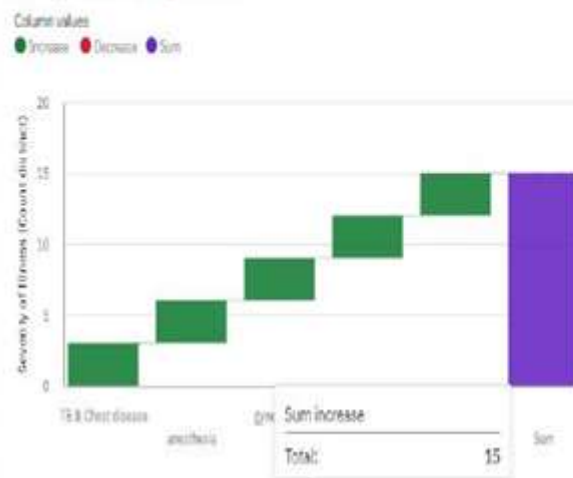
- ❖ **Available Extra Rooms in Hospital by Department**
- ❖ **City Code Hospital for City Code Hospital regions**
- ❖ **City Code Hospital and Ward Type with Department**
- ❖ **Department for Severity of Illness**

Tab 1 Tab 2 Tab 3 +

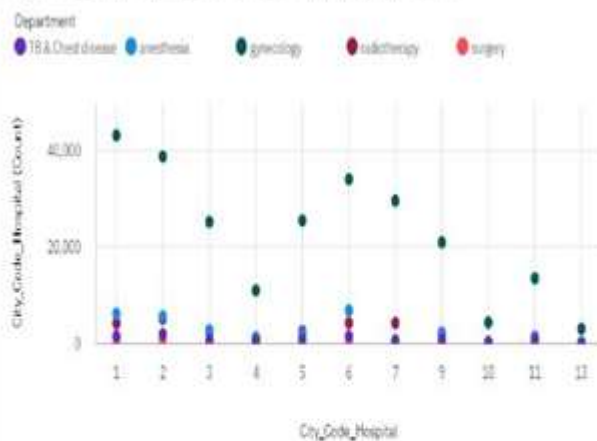
### Available Extra Rooms in Hospital, Department



### Severity of Illness for Department



### City\_Code\_Hospital by City\_Code\_Hospital colored by Department



### Hospital\_region\_code for City\_Code\_Hospital regions



No visualization selected

Select a visualization to manage the field settings.

## **TAB-2**

❖ **Available Extra Rooms in Hospital by Department**

❖ **City Code Hospital by Ward Type**

❖ **Ward type by Department**

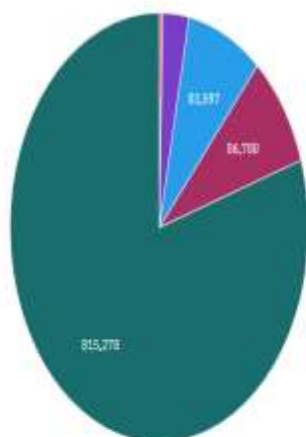
❖ **Department for Department and Ward Types**

Tab 1 Tab 2 +

### Available Extra Rooms in Hospital by Department

Department

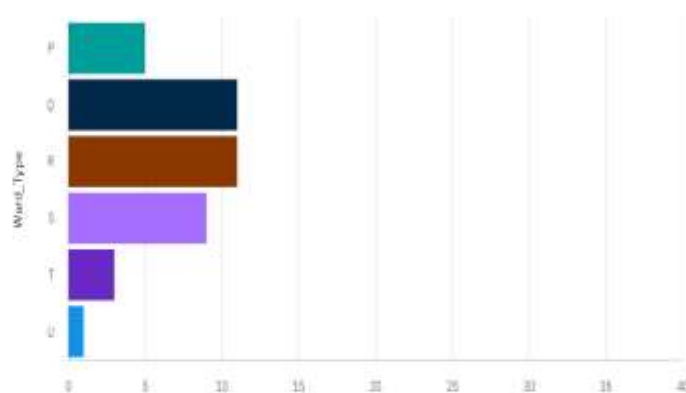
● surgery
 ● TB & Chest disease
 ● anesthesia
 ● radiotherapy
 ● gynecology



### City\_Code\_Hospital, Ward\_Type

Ward\_Type

● P
 ● Q
 ● R
 ● S
 ● T
 ● U

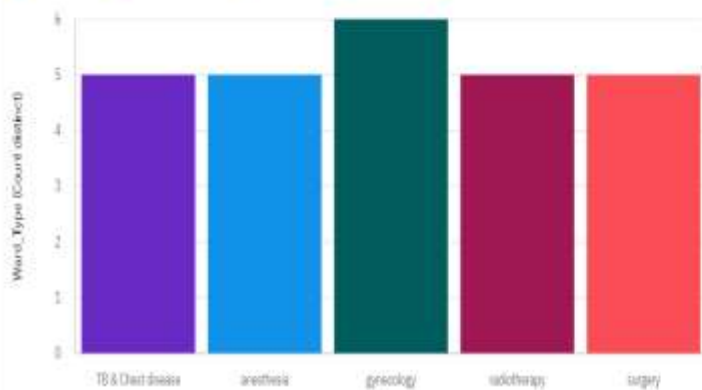


City\_Code\_Hospital (Count distinct)

### Ward\_Type by Department colored by Department

Department

● TB & Chest disease
 ● anesthesia
 ● gynecology
 ● radiotherapy
 ● surgery



### Department for Department and Ward\_Type

Department	TB & Chest disease	anesthesia	gynecology	radiotherapy	surgery	Summary
P	365	351	4,078	432	20	
Q	2,830	8,979	86,191	8,796	369	
R	1,886	12,636	99,730	11,282	413	
S	2,651	7,356	59,215	7,877	395	
T	54	127	1,163	129	4	
U	(no value)	(no value)	9	(no value)	(no value)	
Summary	9,586	29,649	249,486	26,556	1,201	

## **TAB-3**

❖ **Ward Type by City Code Hospital**

❖ **Admission Deposit**

❖ **City Code Hospital by Department**

❖ **Bed Grade by Department**



Selected sources /

train\_data.csv

Search

Navigation paths

train\_data.csv

# case\_id

# Hospital\_code

# Hospital\_type\_code

# City\_Code\_Hospital

# Hospital\_region\_code

Available Extr...s in Hospital

# Department

# Ward\_Type

# Ward\_Facility\_Code

Bed Grade

patientid

# City\_Code\_Patient

# Type of Admission

# Severity of Illness

Visitors with Patient

# Age

Admission\_Deposit

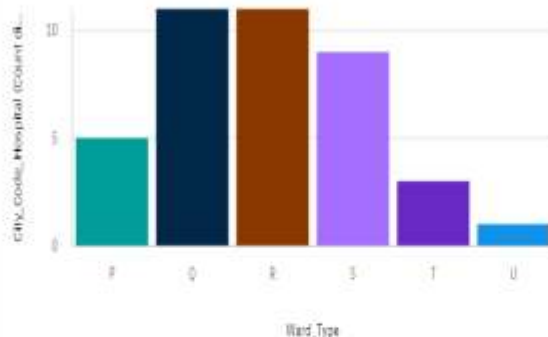
# Stay

Tab 1 Tab 2 Tab 3 +

City\_Code\_Hospital, Ward\_Type

Ward\_Type

P Q R S T U



Admission\_Deposit

1.55B

Admission\_Deposit

City\_Code\_Hospital, Department

Department

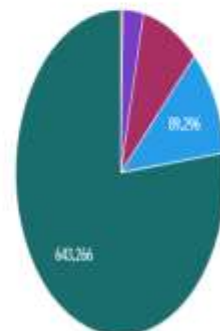
TB & Chest disease anesthesia gynecology radiotherapy surgery



Bed Grade by Department

Department

surgery TB & Chest disease radiotherapy anesthesia gynecology



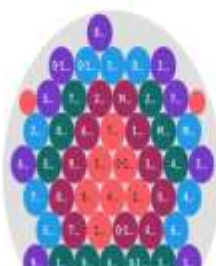


## **TAB-4**

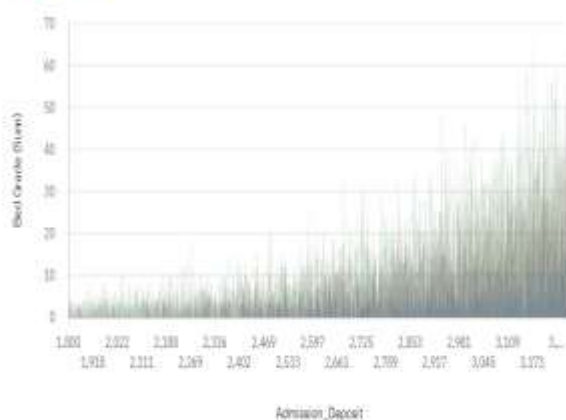
- ❖ **Stay colored by Department sized by Severity of Illness**
- ❖ **Available Extra Rooms in Hospital by Bed Grade with points for Severity of Illness**
- ❖ **Hospital region code and Bed Grade for Admission Deposit**
- ❖ **Department by Hospital region code**

Tab 1 Tab 2 Tab 3 Tab 4 Tab 5

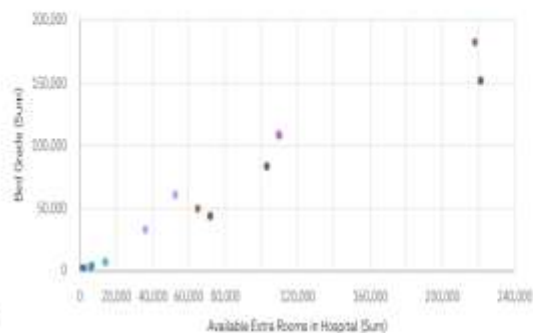
Stay hierarchy colored by Department and sized by Severity of Illness



Bed Grade by Admission\_Deposit colored by Hospital\_region\_code



Available Extra Rooms in Hospital by Bed Grade with points for Severity of Illness



Hospital\_region\_code



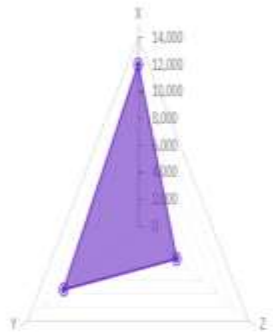
No visualization selected

Select a visualization with analytics support to manage the analytics settings

## **TAB-5**

- ❖ **Bed Grade by Hospital region code**
- ❖ **Admission Deposit compared to Type of Admission**
- ❖ **Department colored by Department sized by  
Available Extra Rooms in Hospital**
- ❖ **Hospital type code to City Code Hospital**

Bed Grade by Hospital\_region\_code



Admission\_Deposit compared to Type of Admission

49.3M ↑

Admission\_Deposit

3 (+1,643,770,700%)

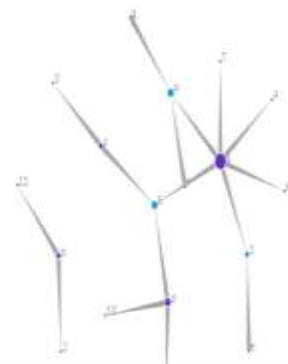
Type of Admission

Department colored by Department sized by Available Extra Rooms in Hospital



Hospital\_type\_code to City\_Code\_Hospital

From Hospital\_type\_code To City\_Code\_Hospital



gynecology

TB & Chest disease

anesthesia  
radiotherapy

## **Prepared Data Link:**

**[https://us1.ca.analytics.ibm.com/bi/?perspective=dashboard&pathRef=.my\\_folders%2Fsprint%2B3%2Bp1&action=view&mode=dashboard&subView=model000001845fd08c7e\\_00000002](https://us1.ca.analytics.ibm.com/bi/?perspective=dashboard&pathRef=.my_folders%2Fsprint%2B3%2Bp1&action=view&mode=dashboard&subView=model000001845fd08c7e_00000002)**

