# **Project Development Phase**

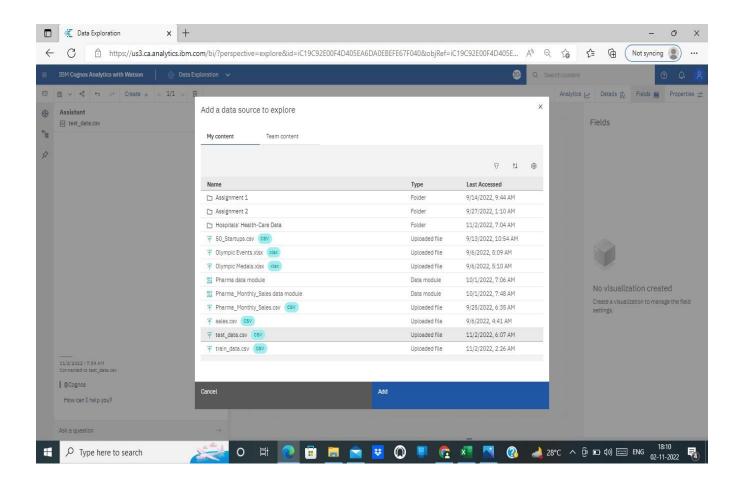
## **Project Development - Delivery of Sprint-1**

Date	10 November 2022
Team ID	PNT2022TMID27276
Project Name	Project – Analytics for Hospitals' Health- Care Data

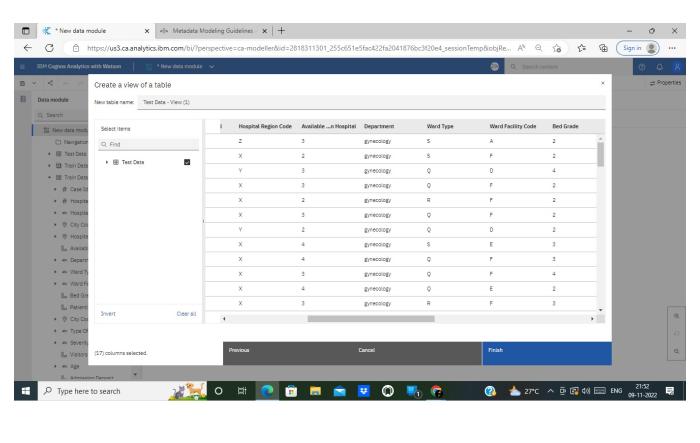
# Task 3: Data Preparation (Data Module) and Exploratory Data Analysis

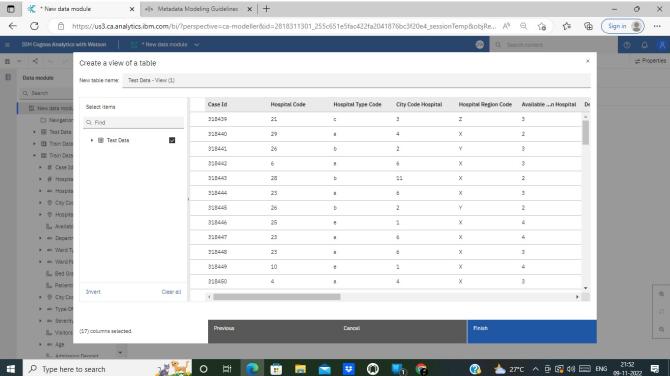
## **Data Preparation**

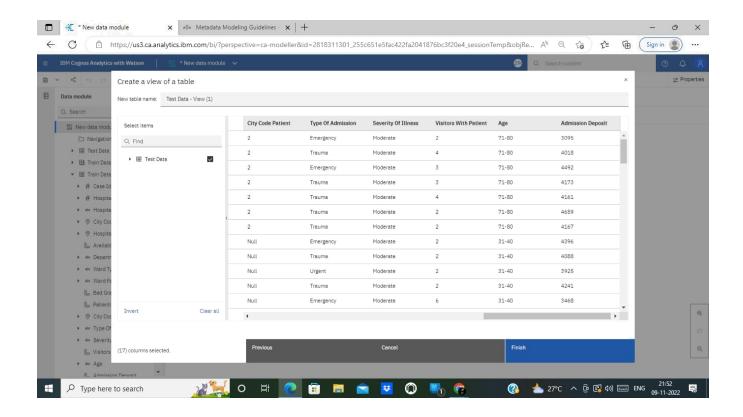
## **Step 1: Adding Data Source**



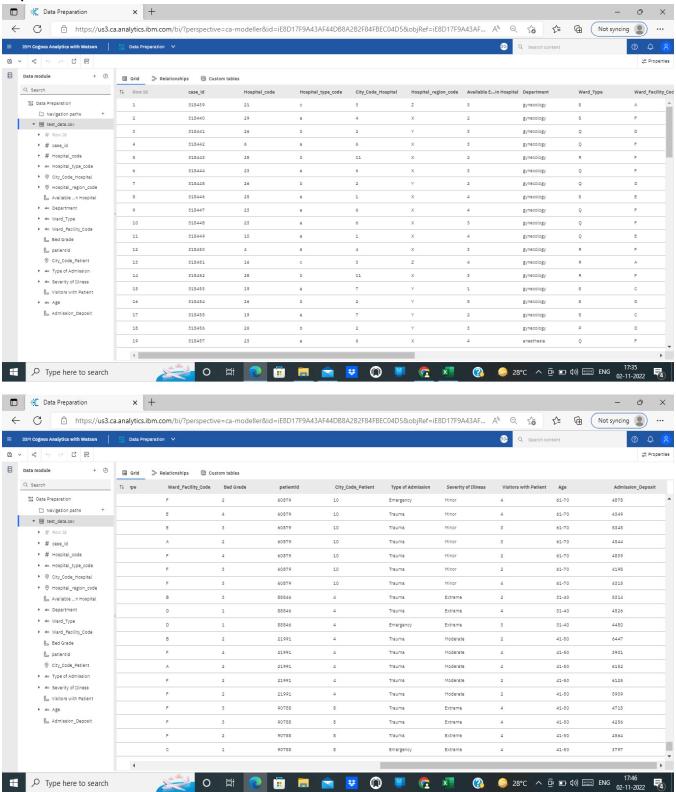
## Step 2: Create a View of Table

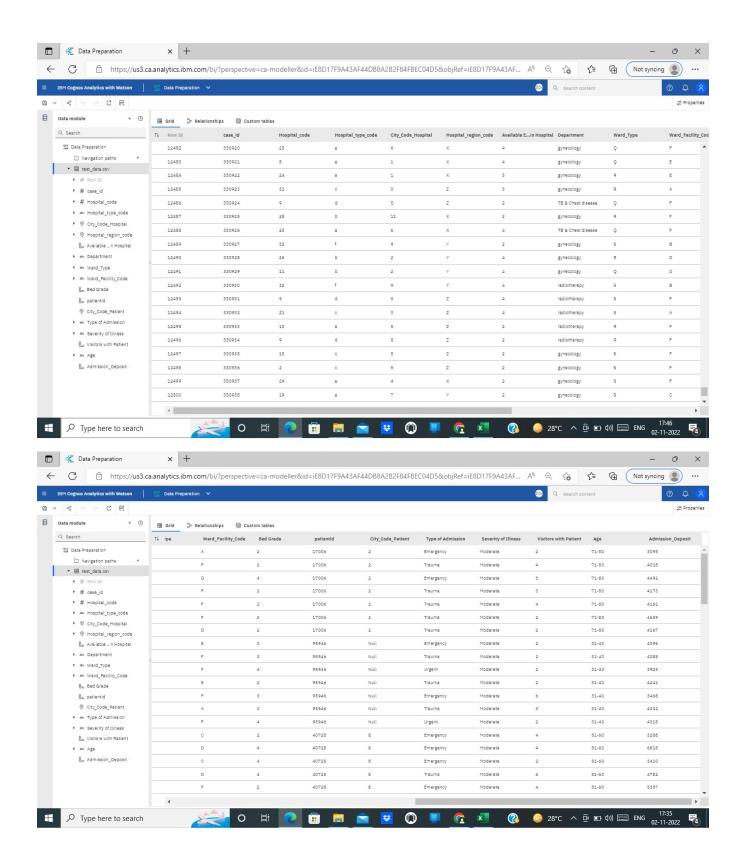






#### **Step 3: Created new Data Module**

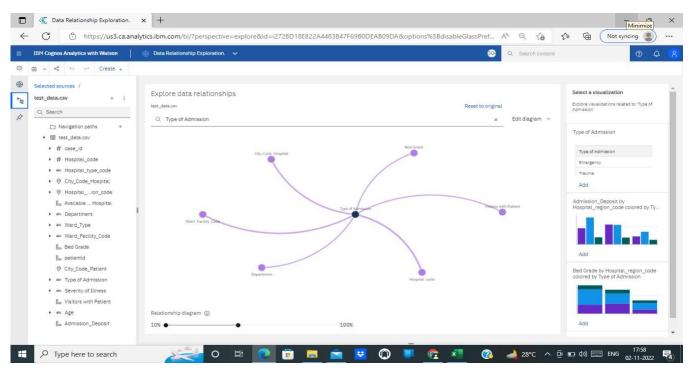




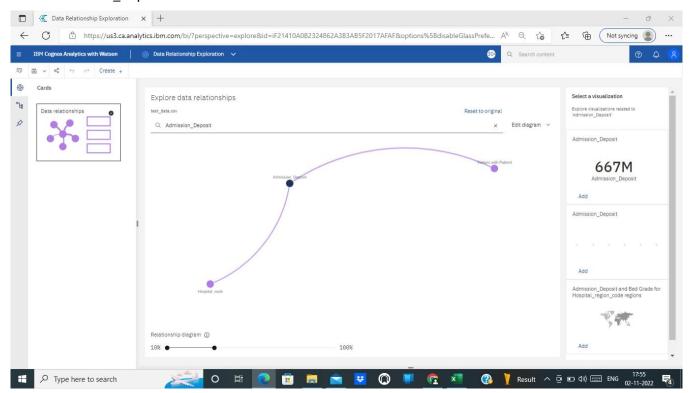
## **Data Relationship Exploration**

## Step 4: Explore Data Relationship

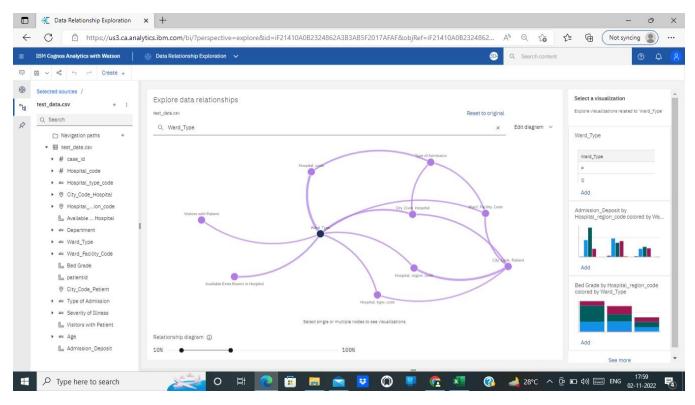
1. Type of Admission



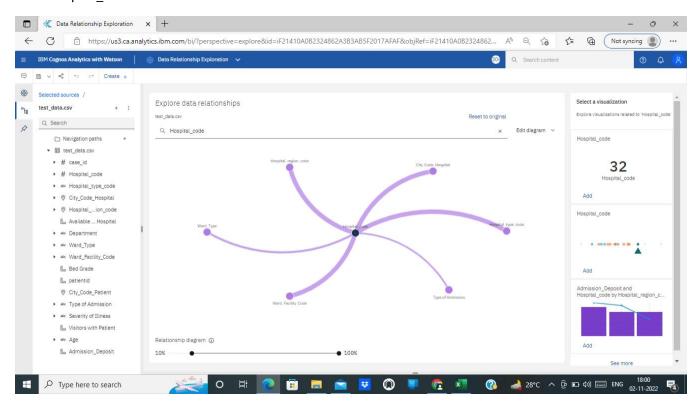
#### 2. Admission\_Deposit

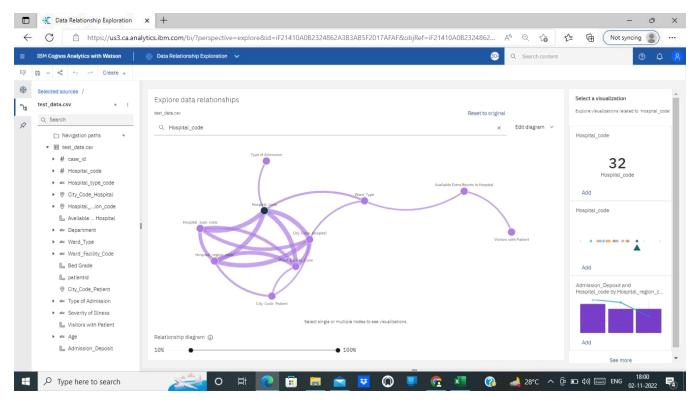


## 3. Ward\_Type

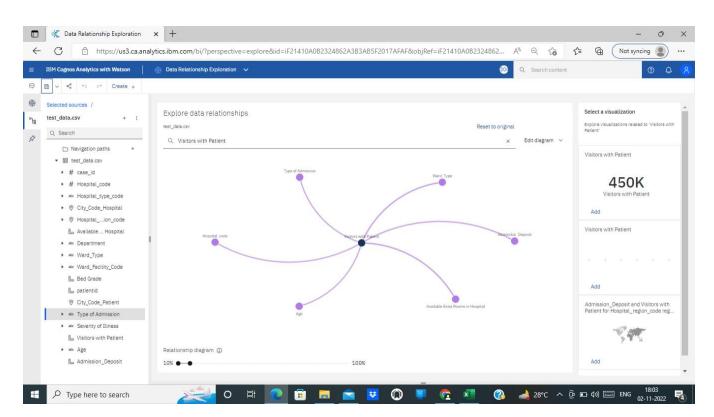


#### 4. Hospital\_Code

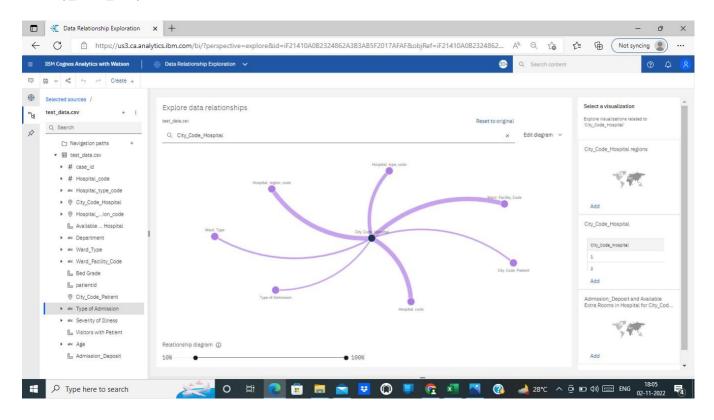




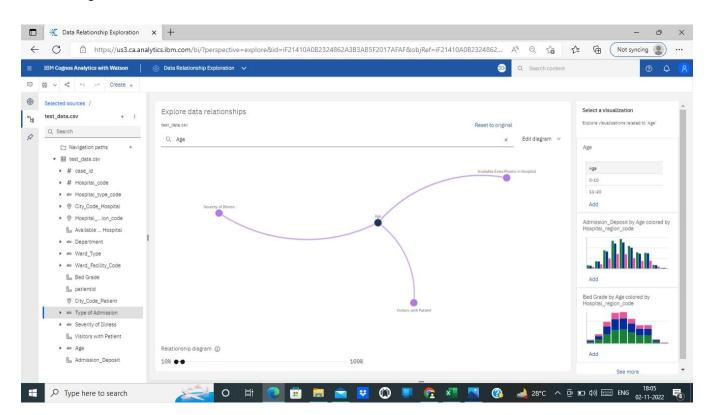
#### 5. Visitor with Patient



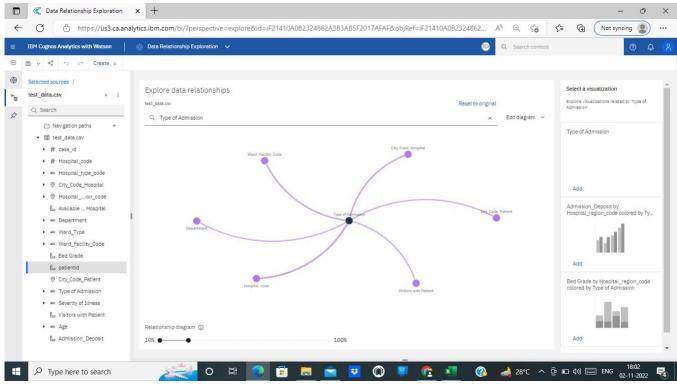
#### 6. City\_Code\_Hospital



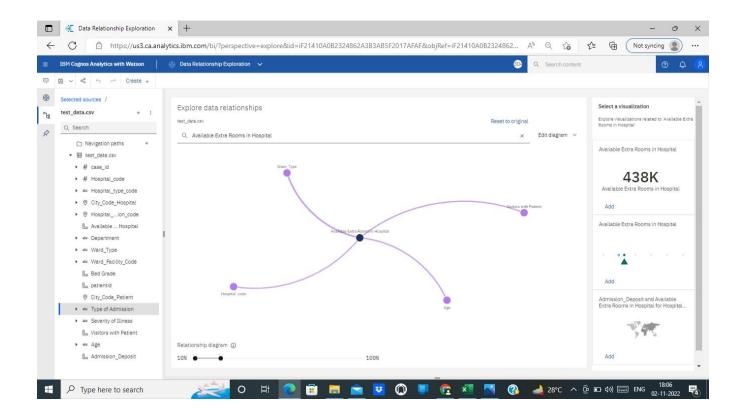
#### 7. Age



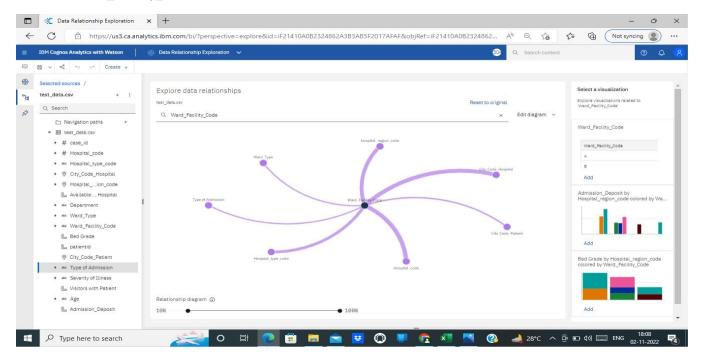
#### 8. Type of Admission



9. Available Extra Rooms in Hospital



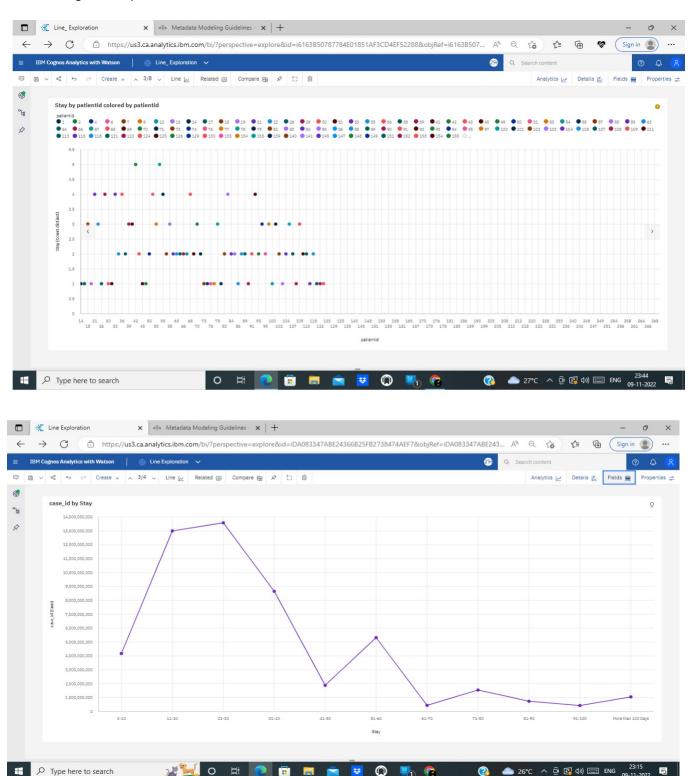
## 10. Ward\_Facility\_Code



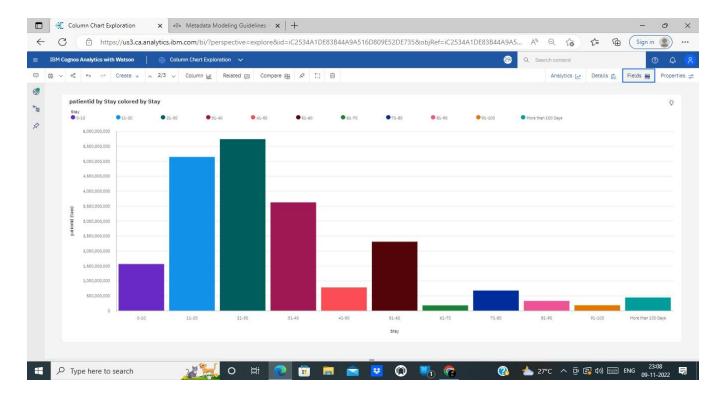
# **Exploratory Dara Analysis**

## **Step 5: Data Exploration**

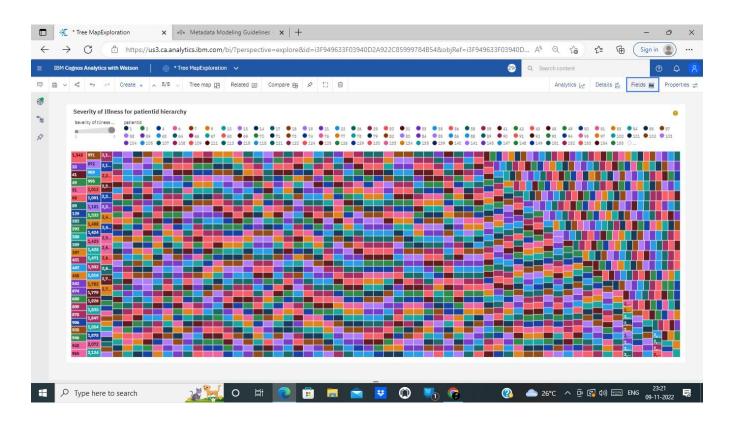
1. Length of Stay for Each case of Patient



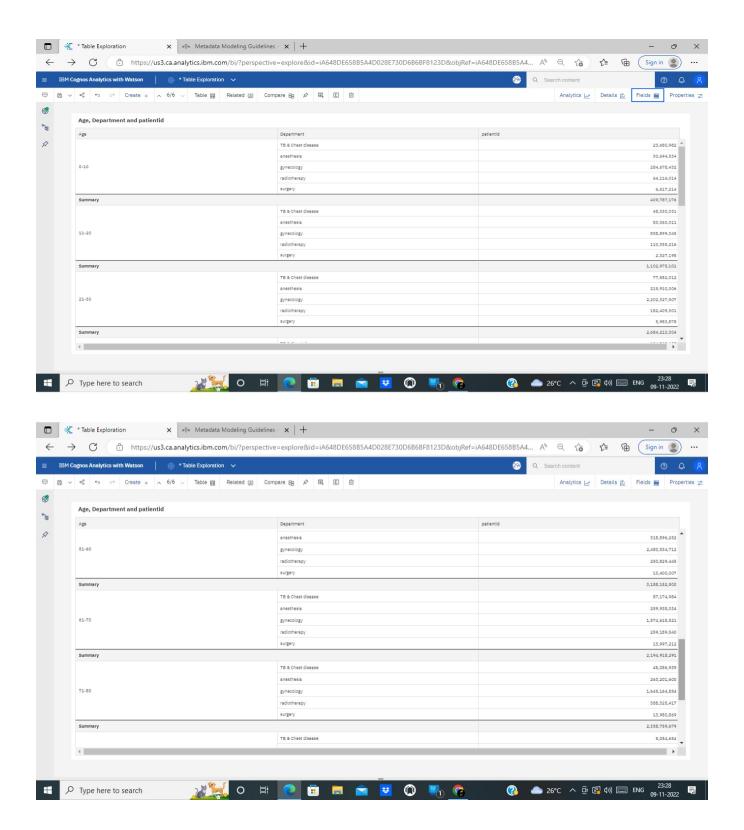
#### 2. Stay of Patient ID using Column Chart

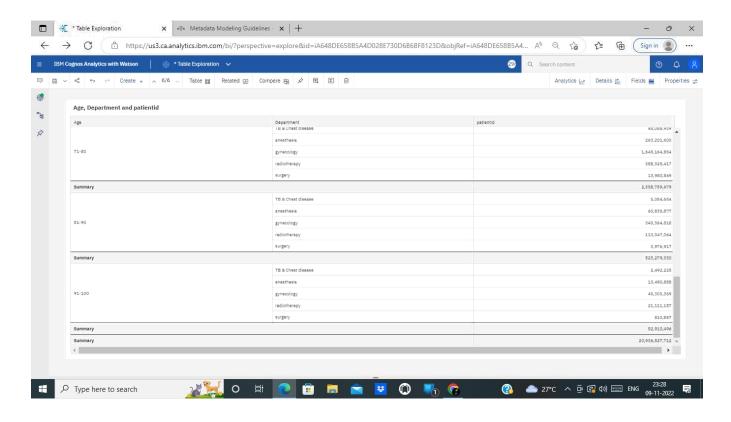


## 3. Severity of Illness by Patient ID using Tree Map

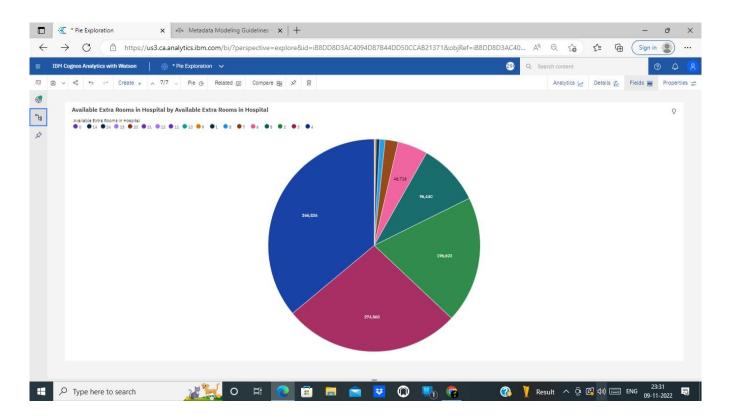


#### 4. Age, Department wise Patient using Table

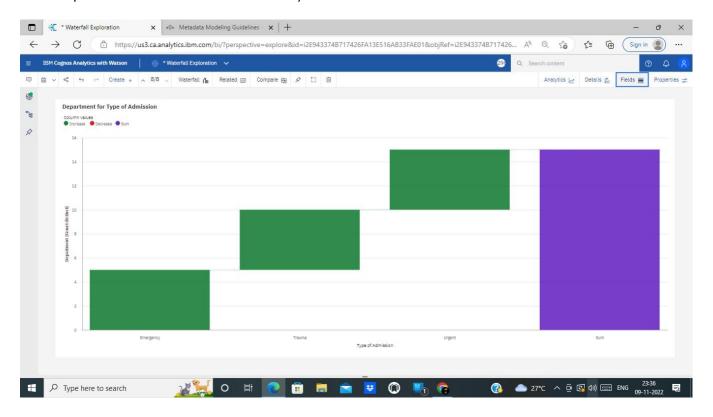




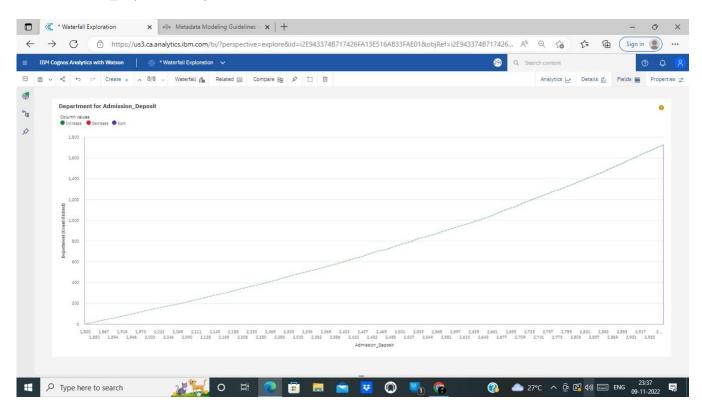
## 5. Room Availability by Pie Chart



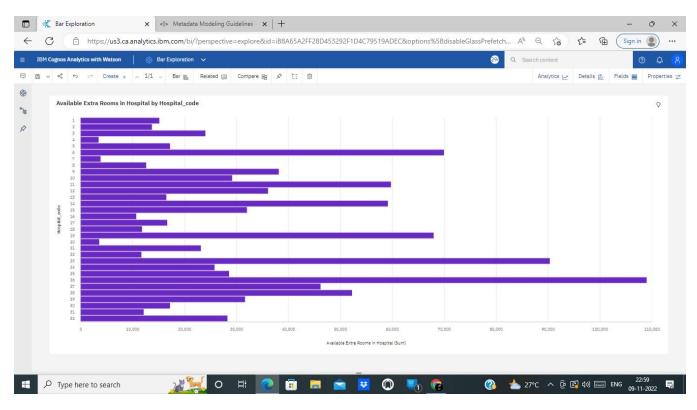
## 6. Department wise number of Admissions by Waterfall Chart



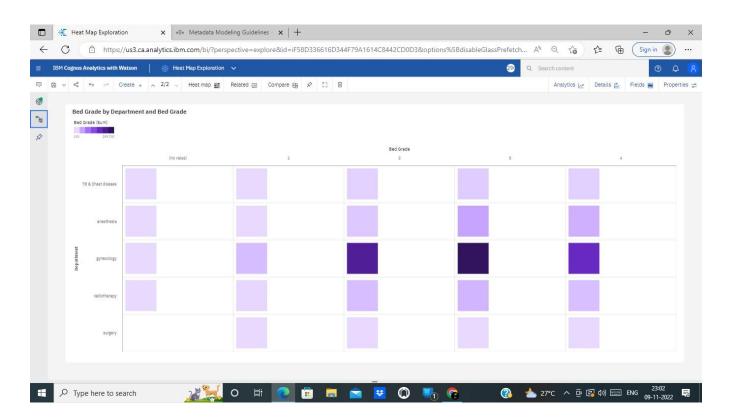
## 7. Admission\_Deposit for Department



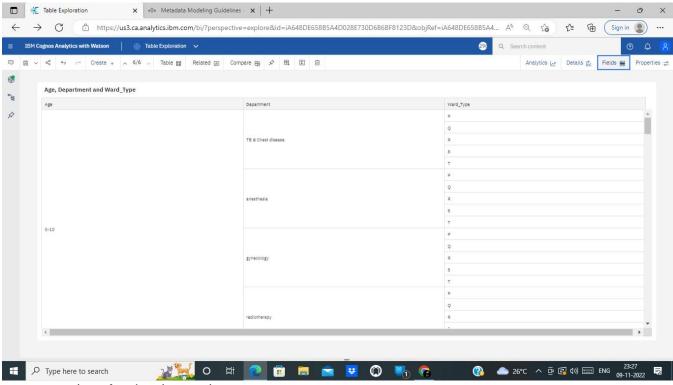
#### 8. Available Extra Rooms in Hospital



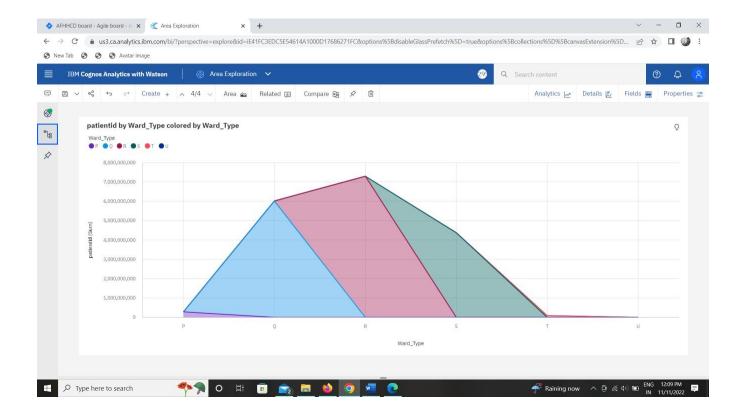
#### 9. Bed Grade by Department



#### 10. Age, Department and ward\_Type



## 11. Number of Patient by Ward\_Types



## 12. Age wise Patients with Department and Severity Filter

