# **Project Development Phase**

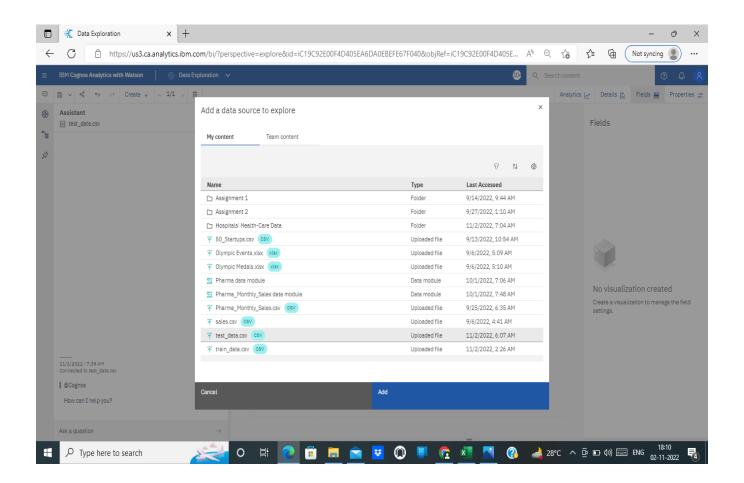
# **Project Development - Delivery of Sprint-1**

Date	10 November 2022
Team ID	PNT2022TMID39445
Project Name	Project – Analytics for Hospitals' Health- Care Data

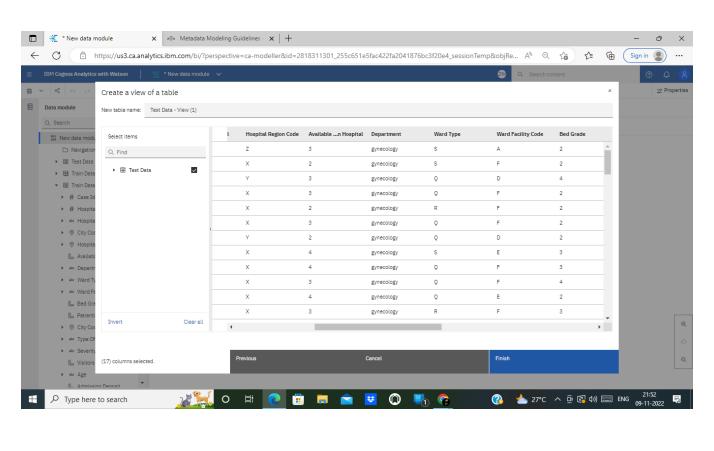
# Task 3: Data Preparation (Data Module) and Exploratory Data Analysis

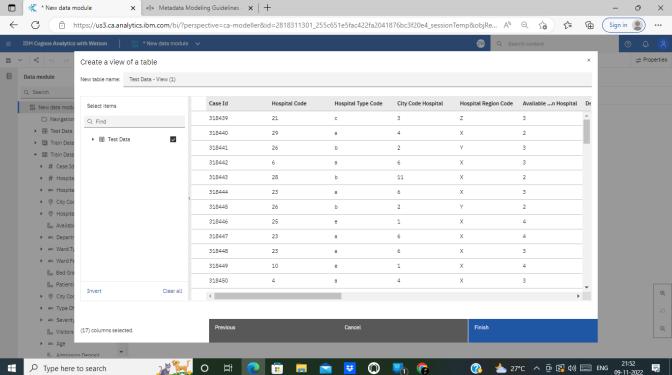
# **Data Preparation**

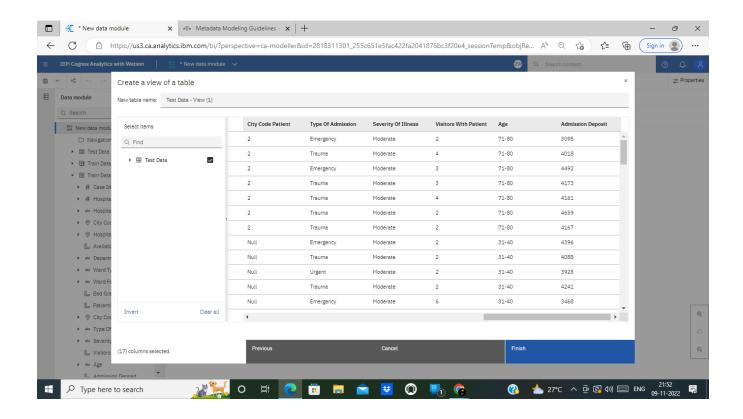
# **Step 1: Adding Data Source**



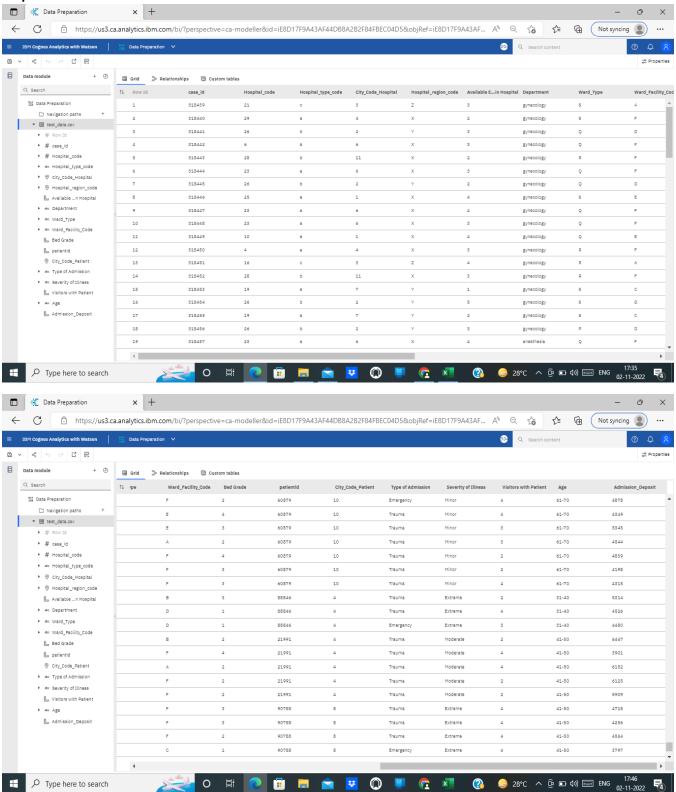
### Step 2: Create a View of Table

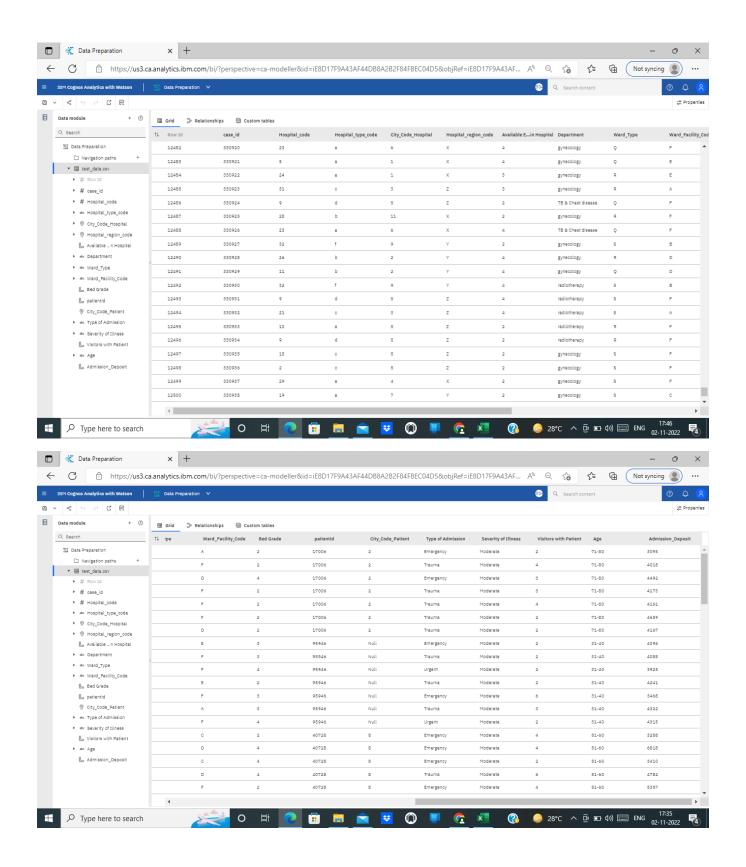






#### Step 3: Created new Data Module

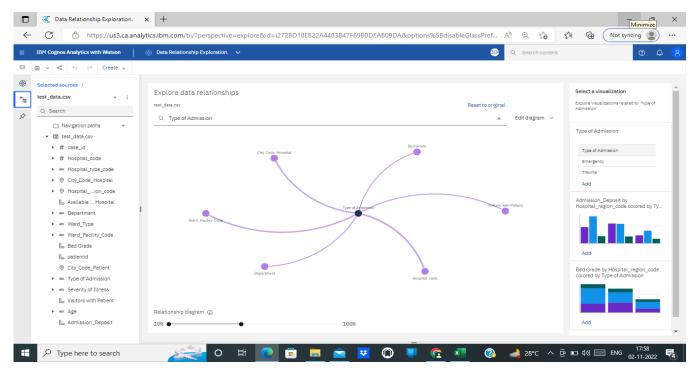




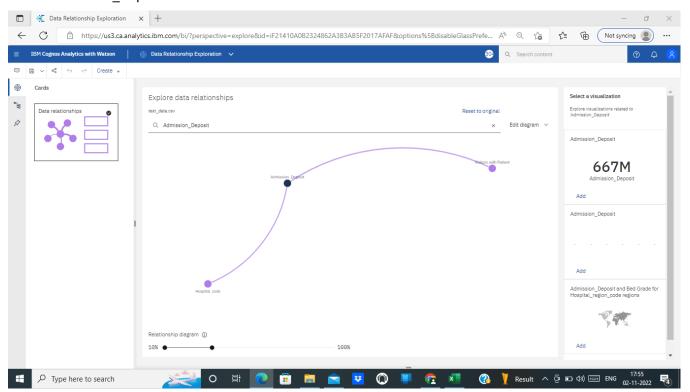
# **Data Relationship Exploration**

## Step 4: Explore Data Relationship

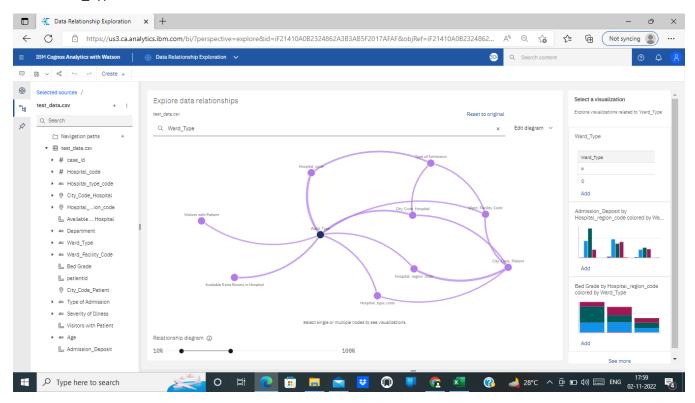
## 1. Type of Admission



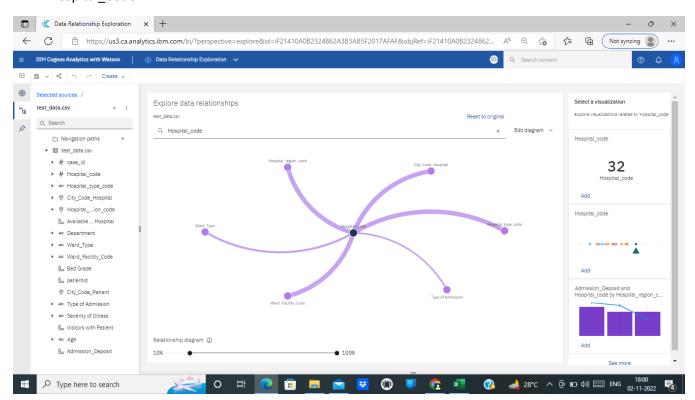
#### 2. Admission Deposit

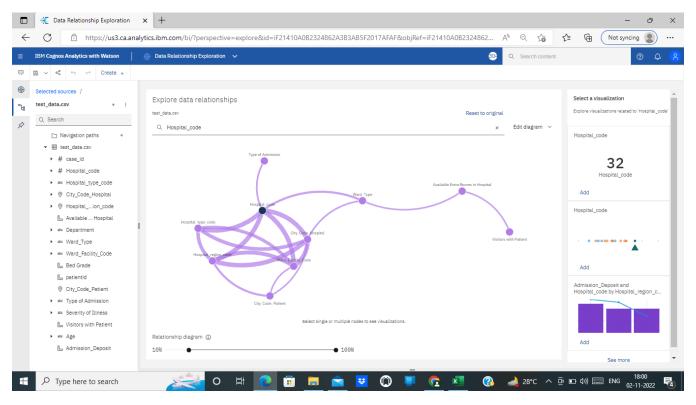


# 3. Ward\_Type

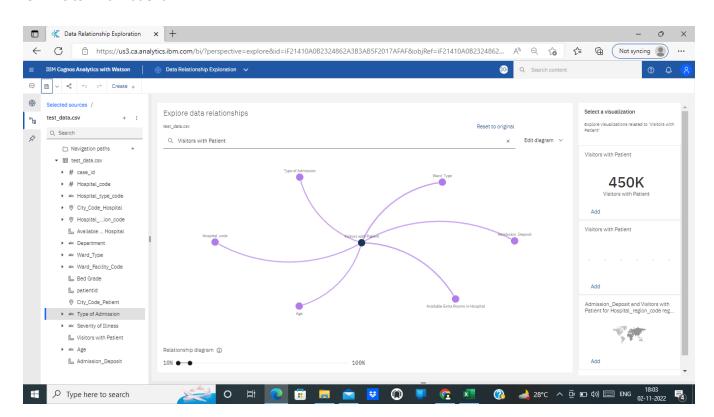


### 4. Hospital\_Code

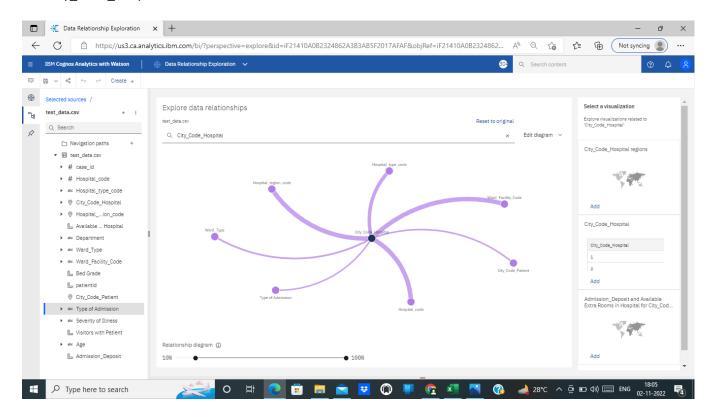




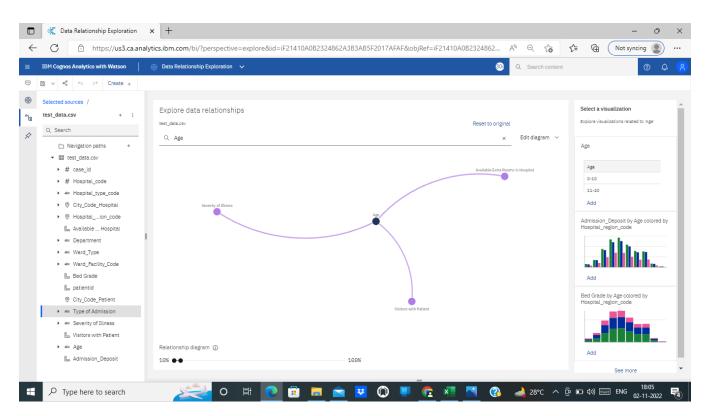
#### 5. Visitor with Patient



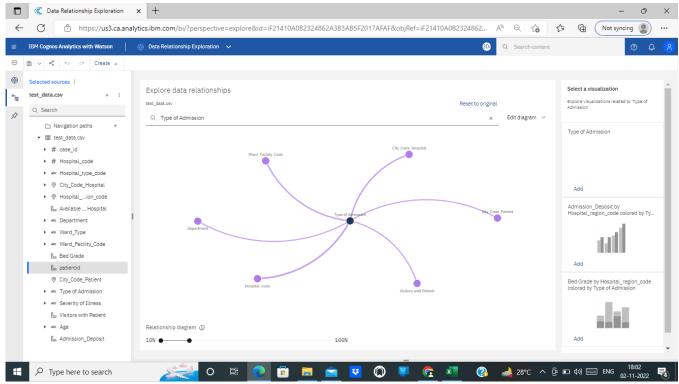
## 6. City\_Code\_Hospital



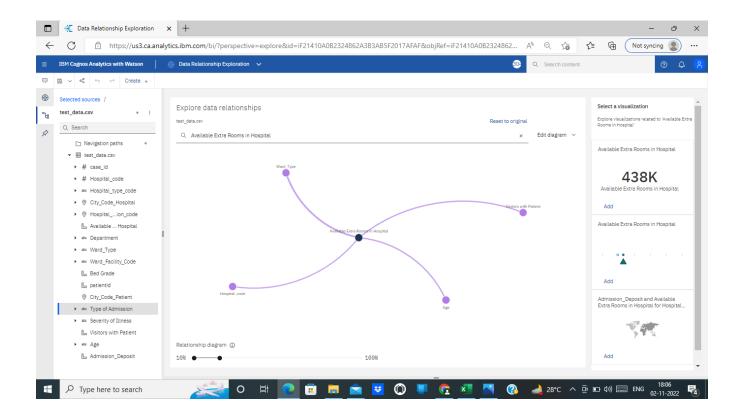
### 7. Age



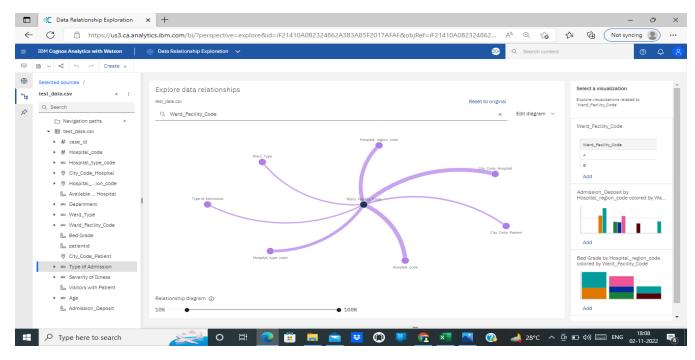
### 8. Type of Admission



9. Available Extra Rooms in Hospital



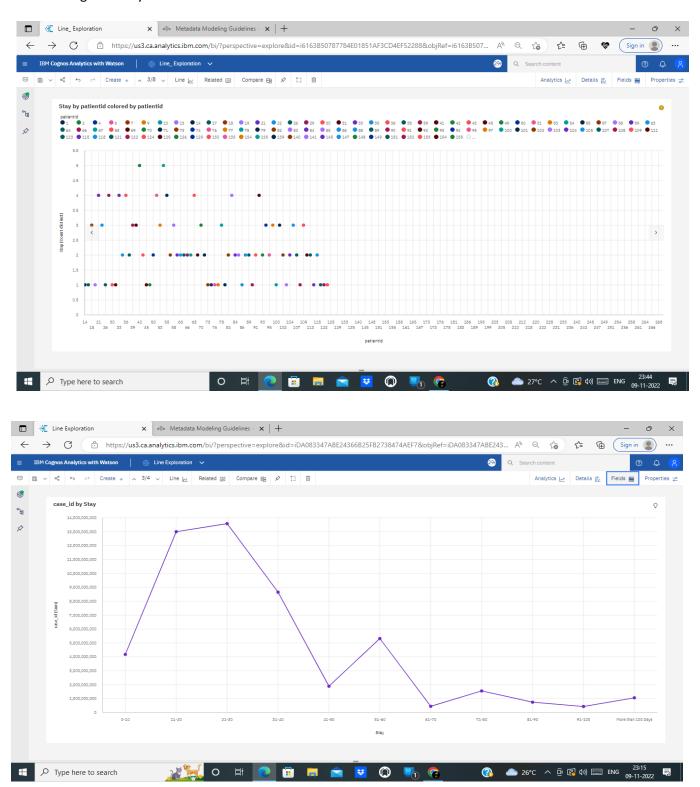
# 10. Ward\_Facility\_Code



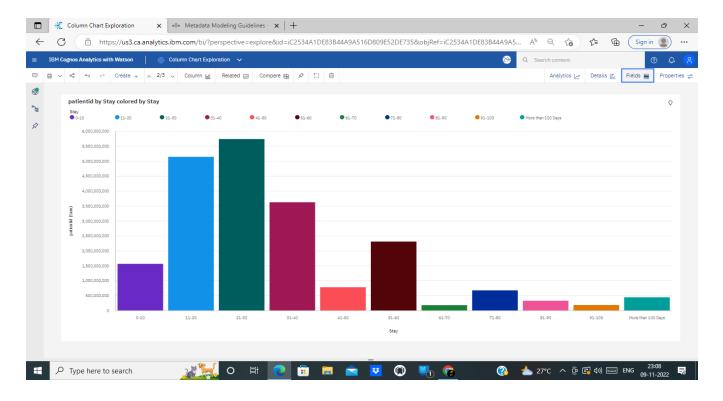
# **Exploratory Dara Analysis**

# **Step 5: Data Exploration**

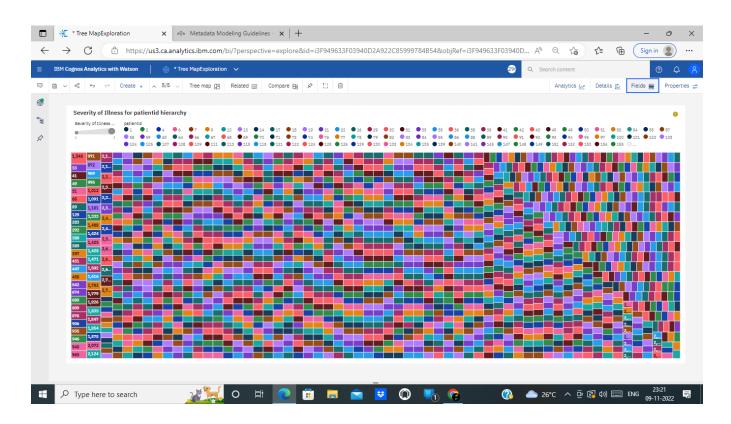
1. Length of Stay for Each case of Patient



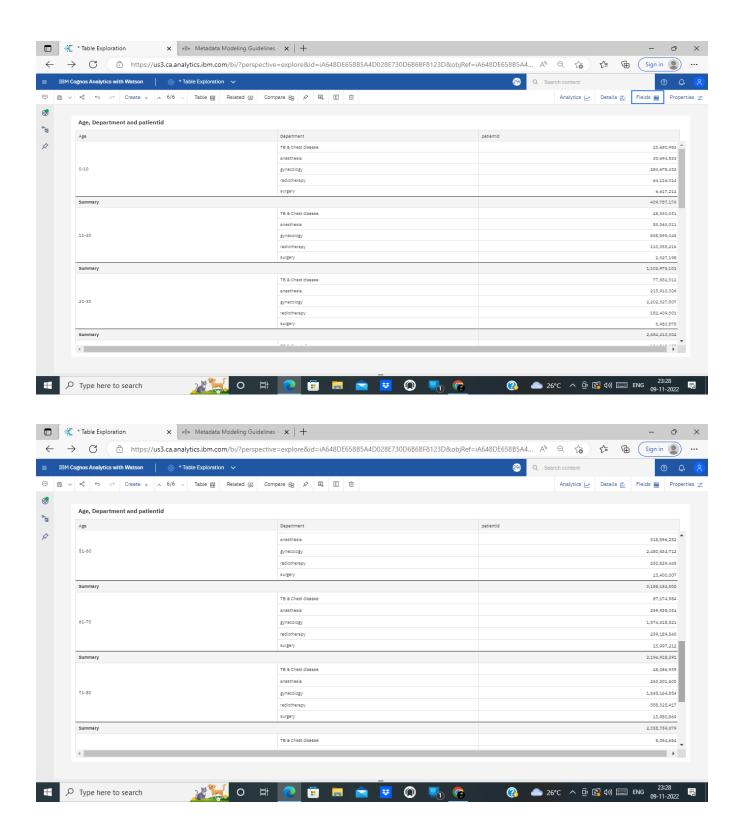
### 2. Stay of Patient ID using Column Chart

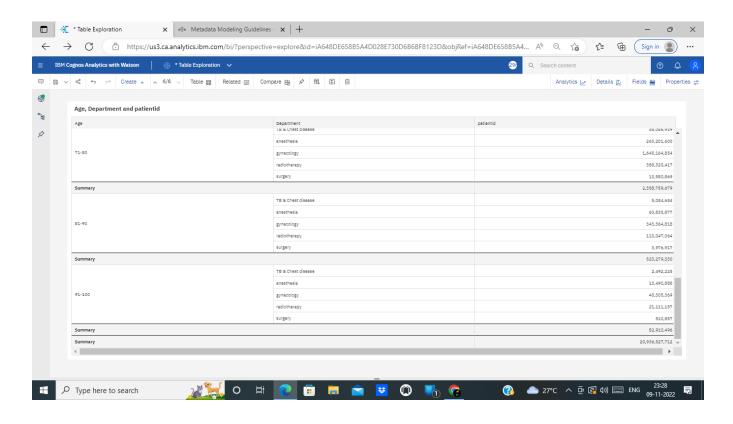


# 3. Severity of Illness by Patient ID using Tree Map

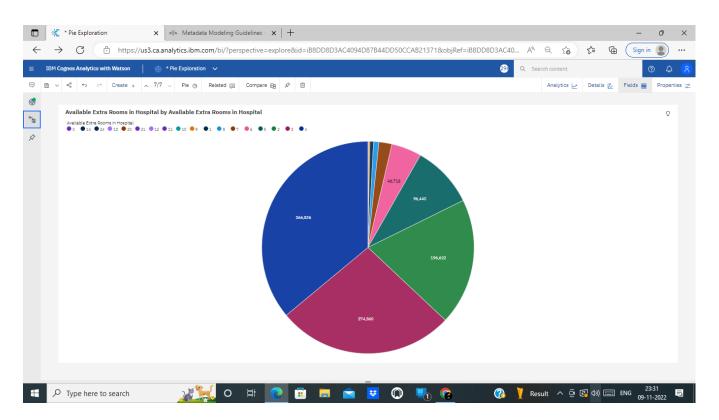


#### 4. Age, Department wise Patient using Table

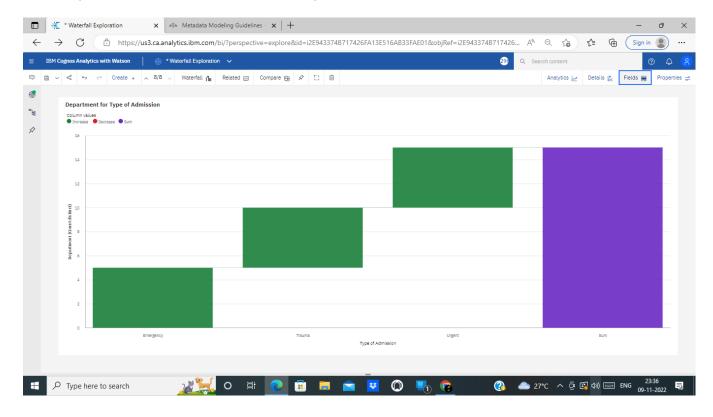




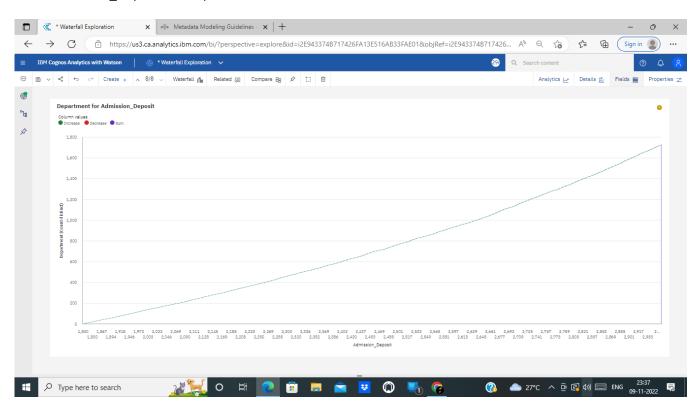
### 5. Room Availability by Pie Chart



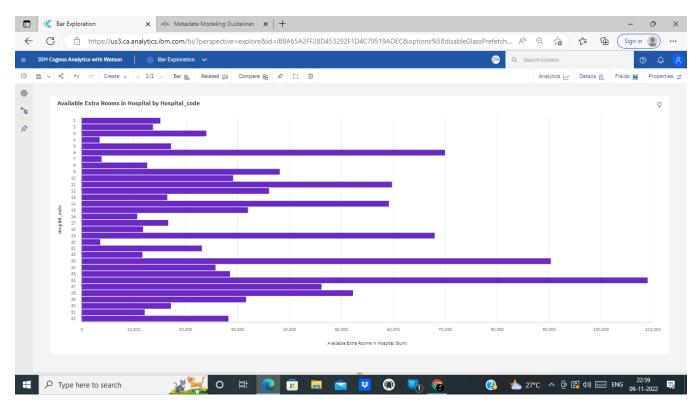
## 6. Department wise number of Admissions by Waterfall Chart



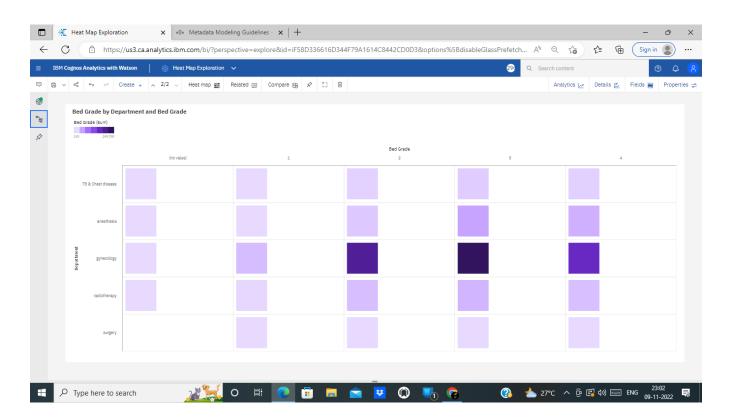
## 7. Admission\_Deposit for Department



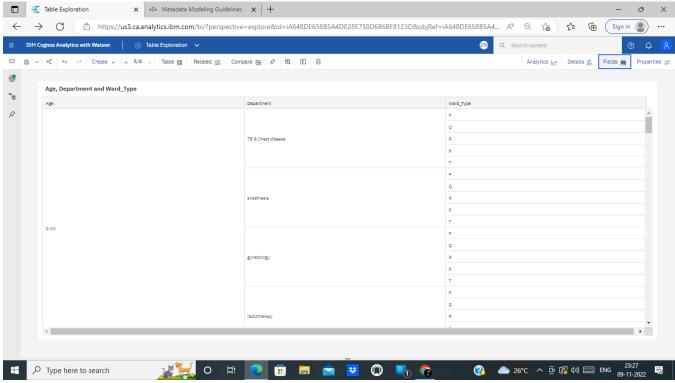
#### 8. Available Extra Rooms in Hospital



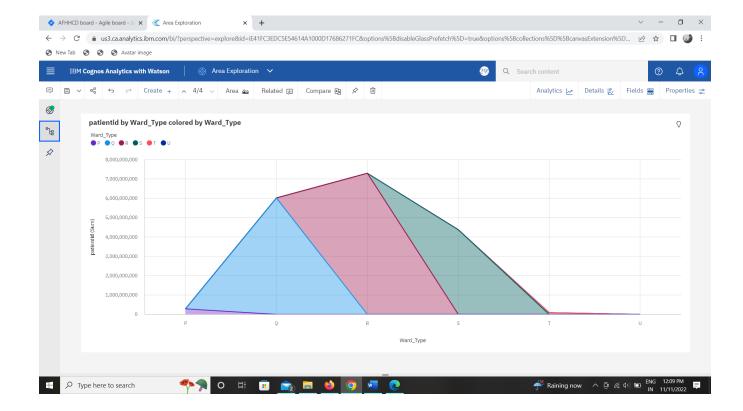
### 9. Bed Grade by Department



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



# 11. Number of Patient by Ward\_Types



# 12. Age wise Patients with Department and Severity Filter

