

## Project Development Phase

### Project Development - Delivery of Sprint-2

Date	11 November 2022
Team ID	PNT2022TMID27276
Project Name	Project - Analytics for Hospitals' Health- Care Data

## Task : Create Interactive Dashboard

### Procedure to Create Dashboard

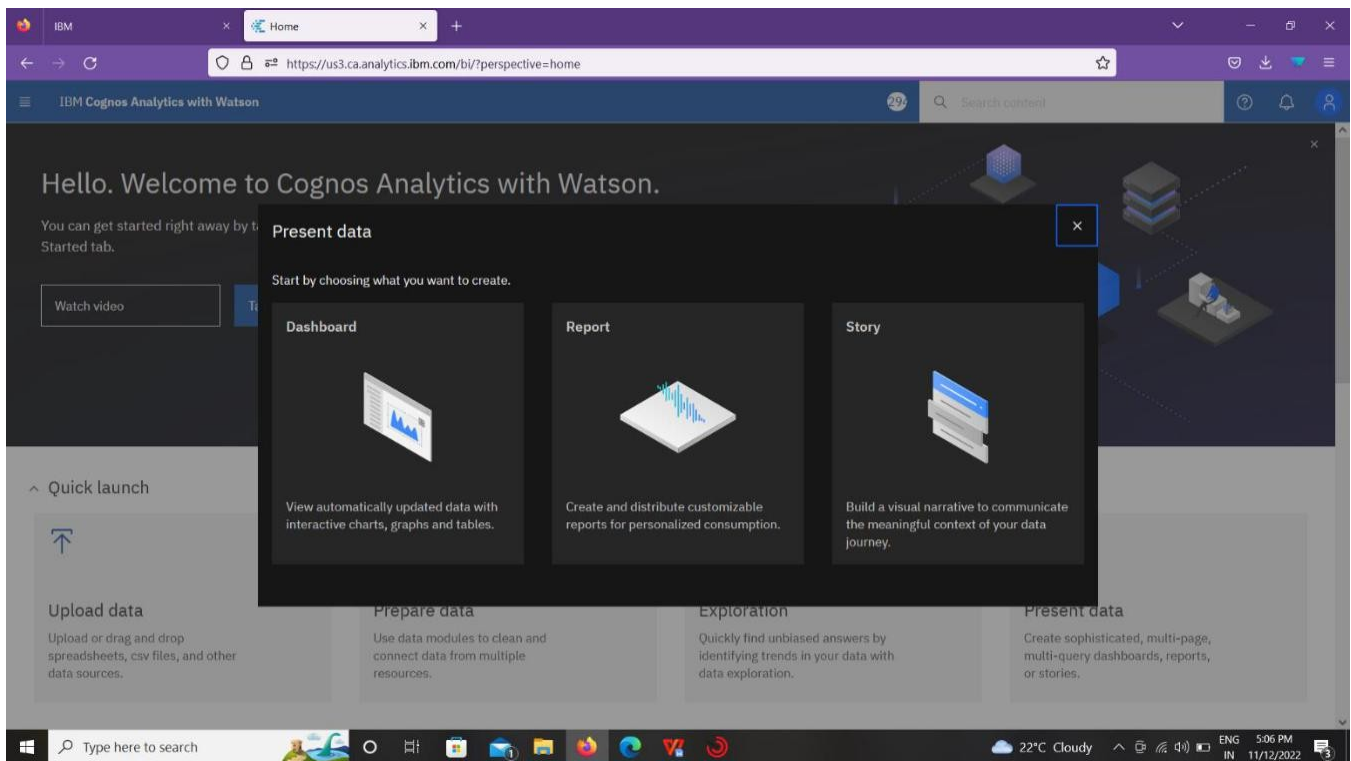
#### Step1: Login IBM Cognos

The screenshot displays the IBM Cognos Analytics with Watson home page. The browser window shows the URL <https://us3.ca.analytics.ibm.com/bi/?perspective=home>. The page header includes the IBM logo, a search bar, and user profile icons. The main content area features a welcome message: "Hello. Welcome to Cognos Analytics with Watson." Below this, there are two buttons: "Watch video" and "Take a product tour". To the right, there is a large graphic of blue cubes connected by lines, representing data analytics. Below the main content, there is a "Quick launch" section with four cards:

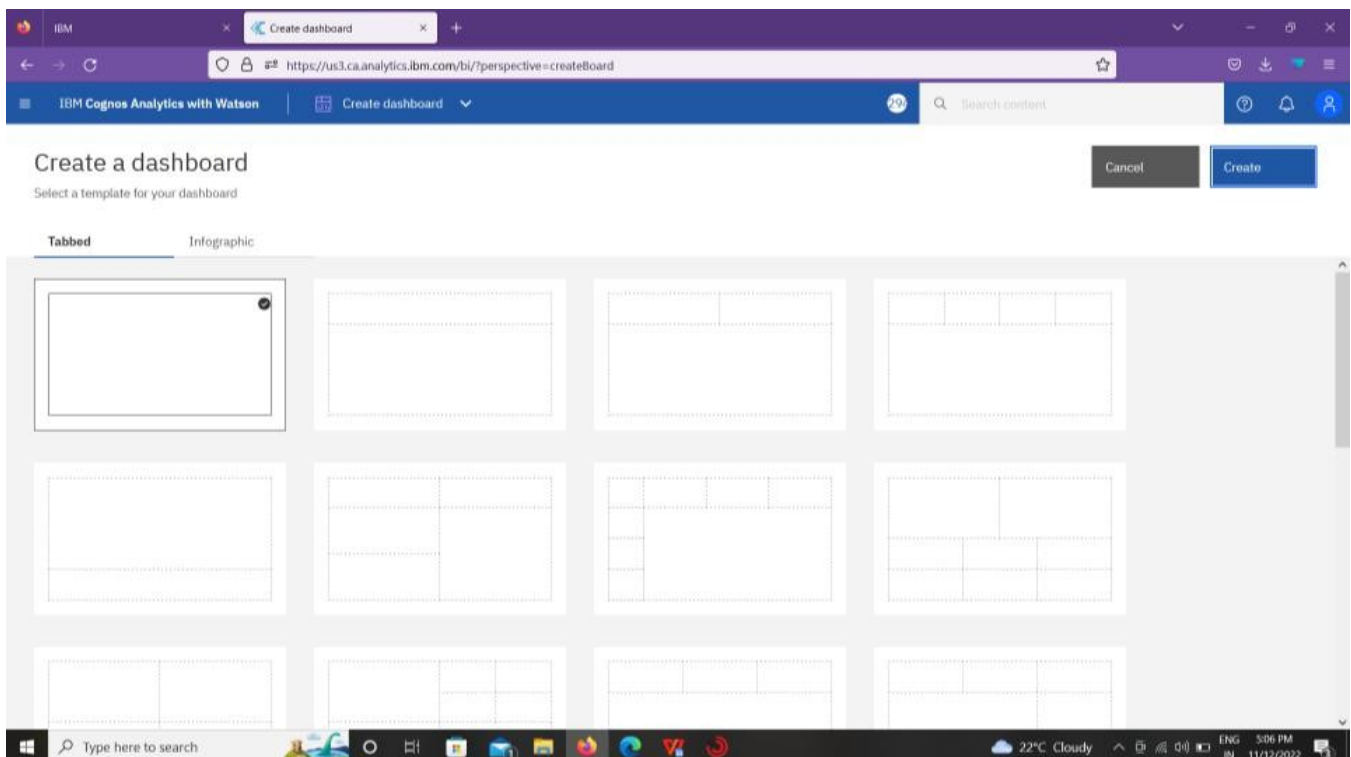
- Upload data**: Upload or drag and drop spreadsheets, csv files, and other data sources.
- Prepare data**: Use data modules to clean and connect data from multiple resources.
- Exploration**: Quickly find unbiased answers by identifying trends in your data with data exploration.
- Present data**: Create sophisticated, multi-page, multi-query dashboards, reports, or stories.

The bottom of the image shows the Windows taskbar with various application icons and the system clock indicating 5:06 PM on 11/12/2022.

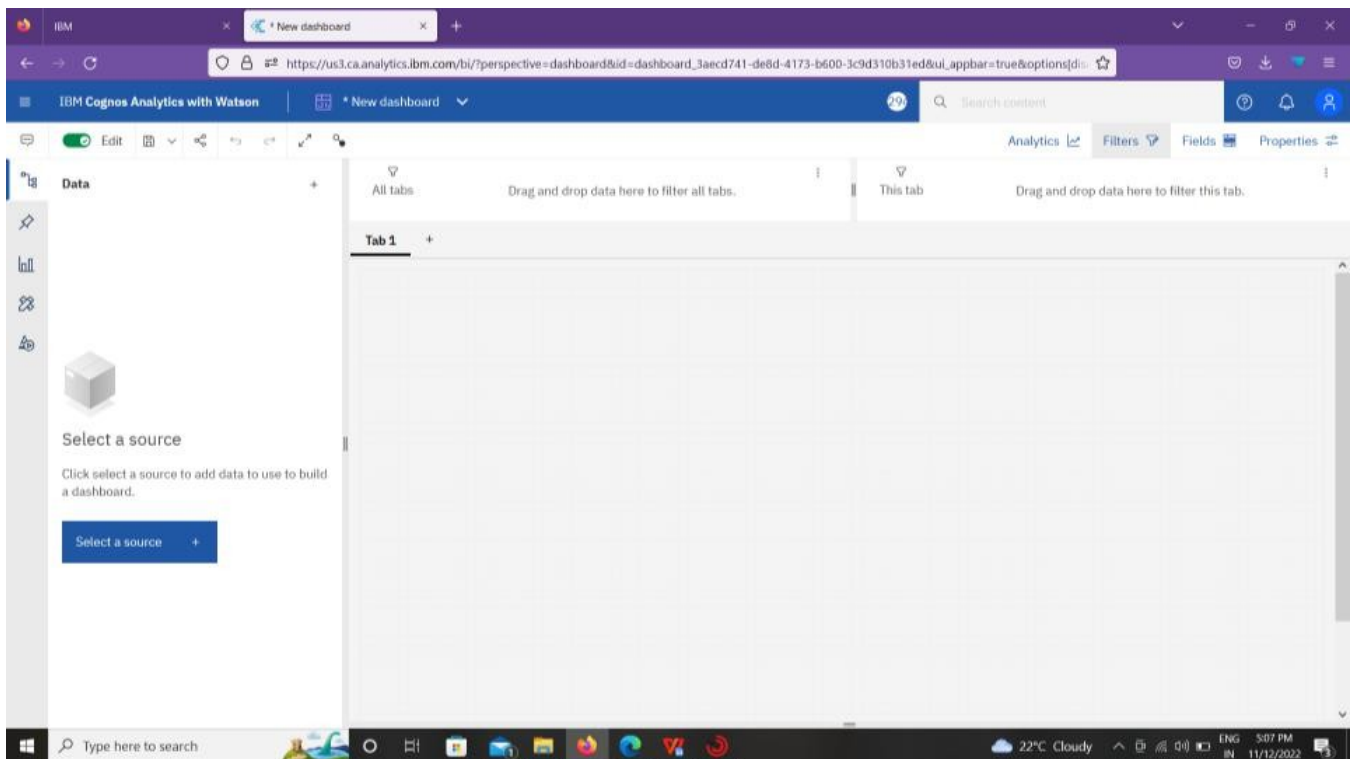
## Step2: Click Present Data and Choose Dashboard



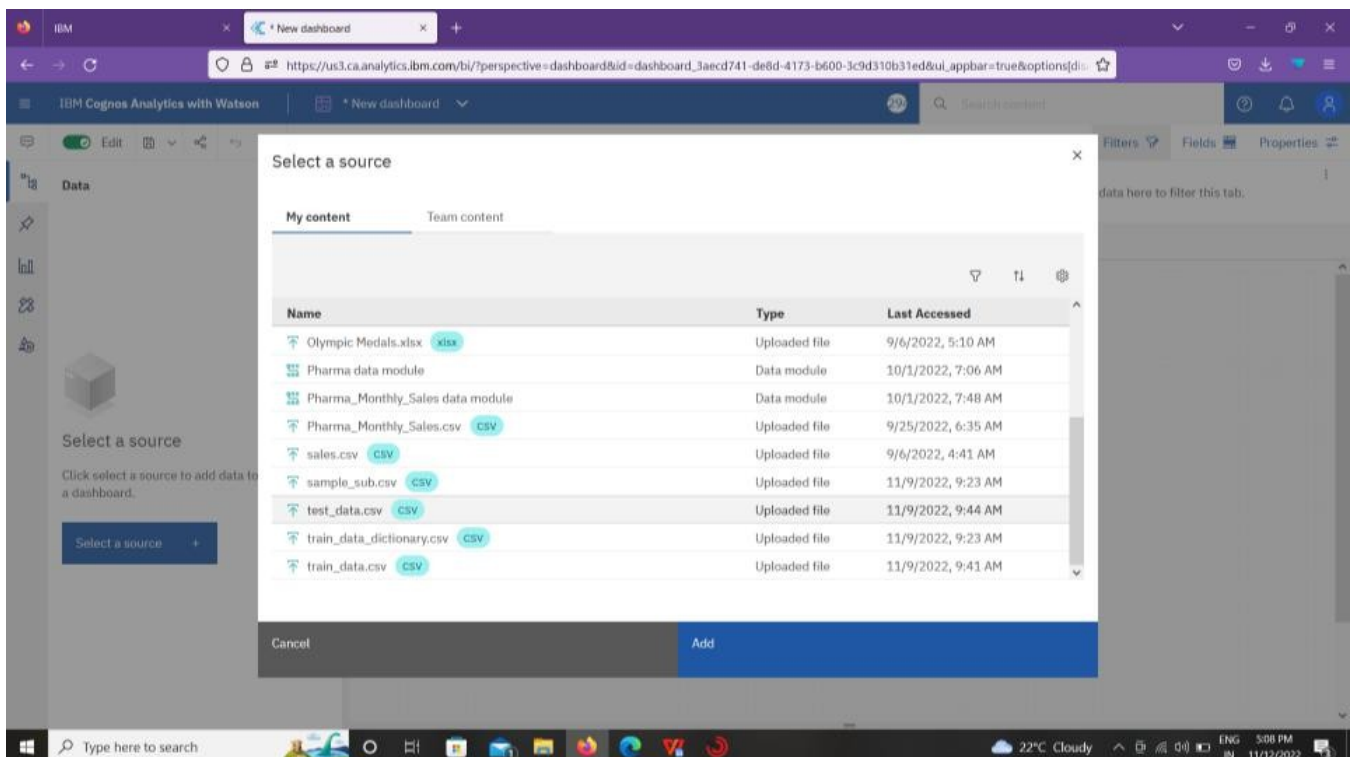
## Step3: Choose your desired Template (Tab) and Create the Dashboard



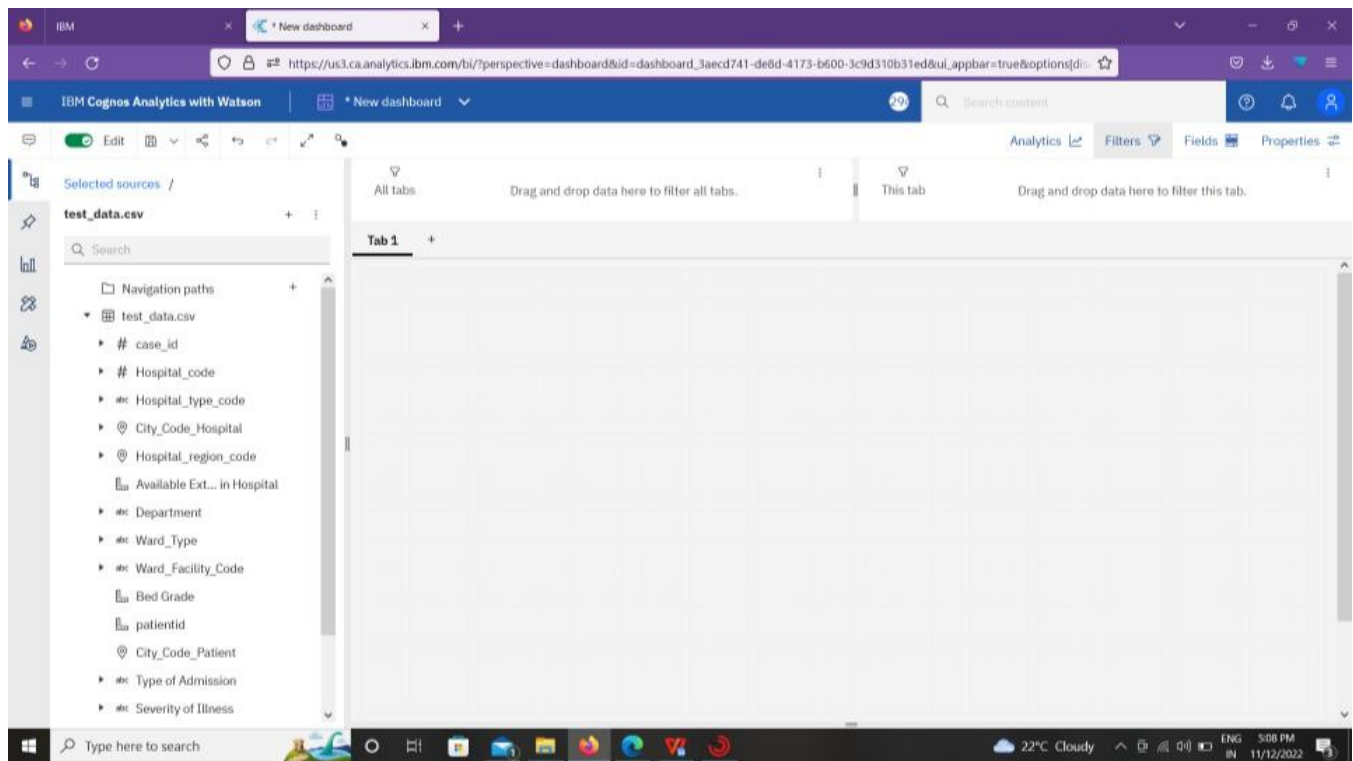
#### Step4: A New Dashboard Tab opens, then **Select a Source**



#### Step5: Select and **Add a Source (Test\_Data.csv)**



## Step6: Create a new Dashboard by adding multiple Visualizations



# Interactive Dashboard

## 1. Number of Patients by Ward Types

To build a dashboard with the following visual to present various analytics of Hospitals.

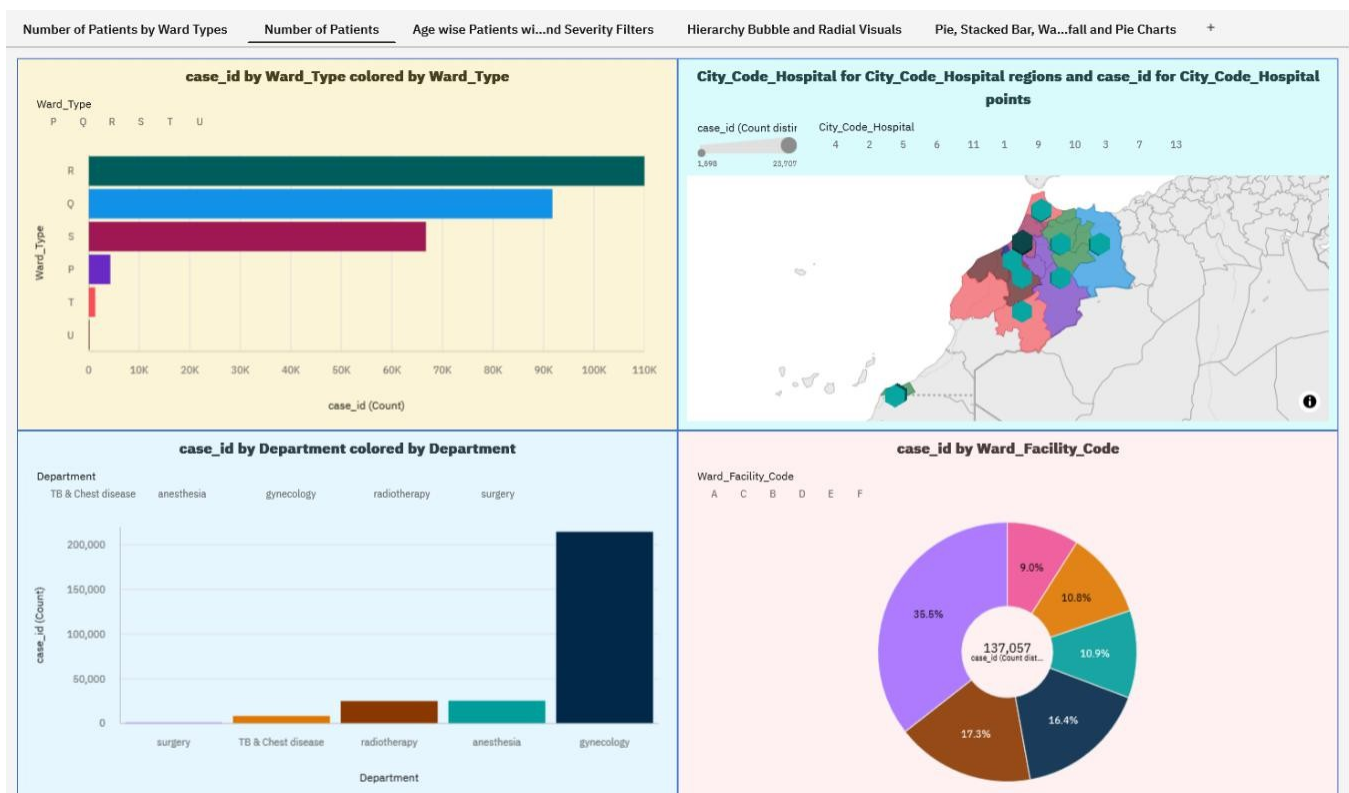
-Number of Patients by Ward Types



## 2. Dashboard to show number of Patients

To build a dashboard with the following visuals to present various analytics of Hospitals.

- a Bar Chart to show case number of Cases based on Ward Type
- a Geo Map to show case number of cases based on City, Hospital and Region
- a Column Chart to show case Number of Cases by each Department
- a Pie-Chart show case the Number of Cases by Ward Facility type



### 3. Age wise Patients with Department and Severity Filters

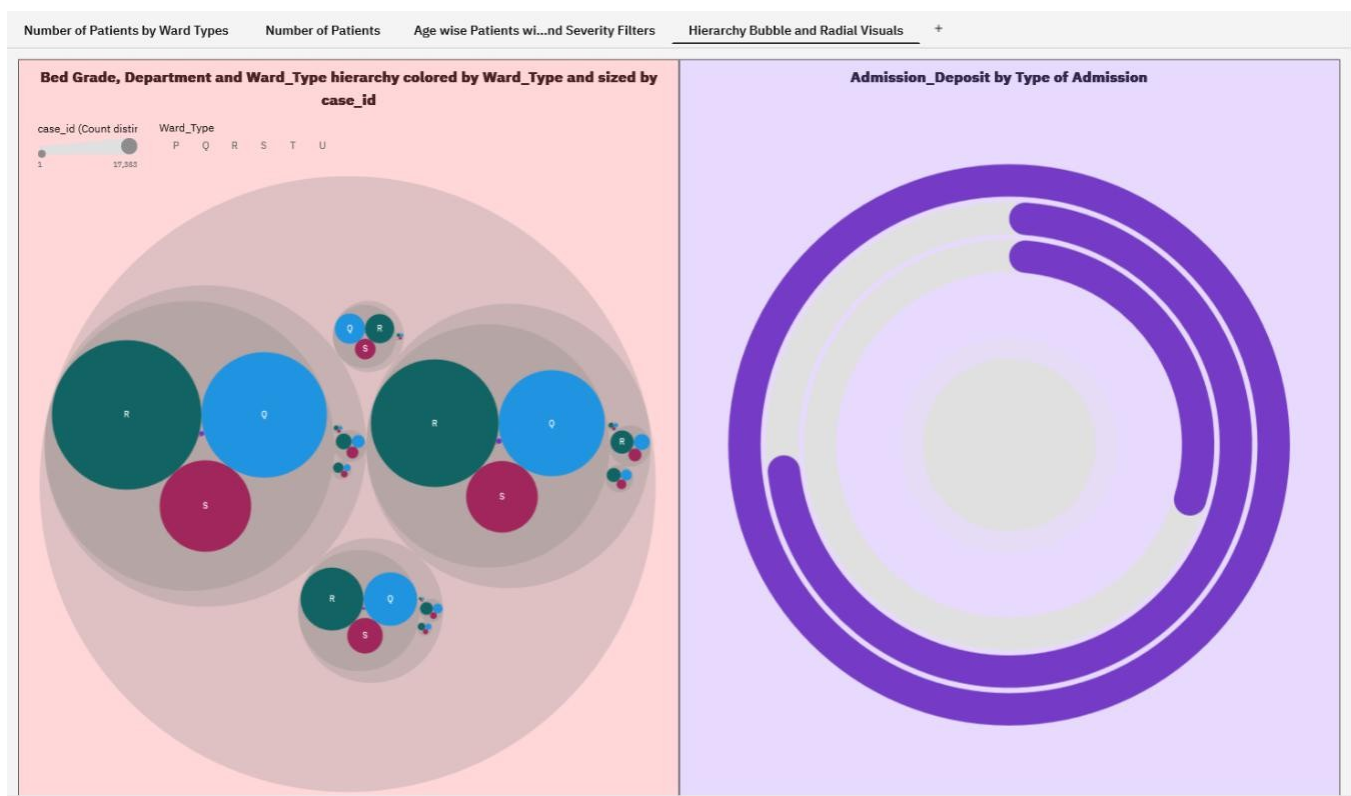
Build a column visual to show case Age wise Number of Patients with Department and Severity Filters.



## 4. Dashboard with Hierarchy Bubble and Radial Visuals

Create a Dashboard with Hierarchy Bubble and Radial Visuals as follows:

- Hierarchy Bubble to show case Bed Grade with Number of Cases by Department and Ward-wise.
- Radial chart to show case Department wise Admission Deposit Amount





## 5. Dashboard showing Pie, Stacked Bar, Waterfall and Pie Charts

Build a Dashboard to show case the following analytical visuals.

- a Pie-Chart showing Severity of illness by number of cases.
- a Stacked Bar Chart to visualize Department-wise, Age-wise number of cases.
- a Waterfall chart visualizing the Department wise number of Patients.
- a Pie-Chart showing the Availability of Extra rooms with Analytics.

