

## Project Development Phase

### Project Development - Delivery of Sprint-2

Date	23 November 2022
Team ID	PNT2022TMID25280
Project Name	Project – Analytics for Hospitals' Health- Care Data

## Task : Create Interactive Dashboard

### Procedure to Create Dashboard

#### Step1: Login IBM Cognos

IBM Cognos Analytics with Watson

29%

Search content

Hello. Welcome to Cognos Analytics with Watson.

You can get started right away by taking a look at our introduction video, product tour and Getting Started tab.

Watch video

Take a product tour

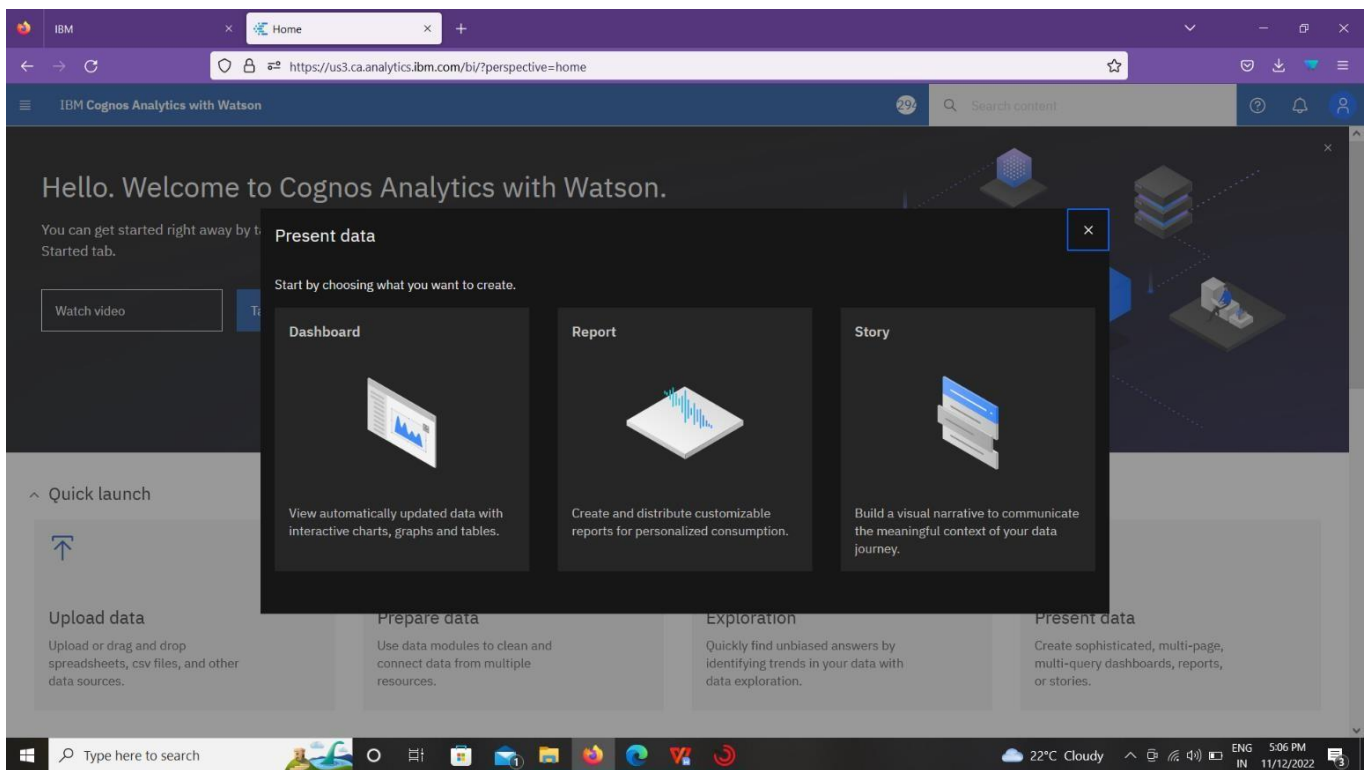
Quick launch

- 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.

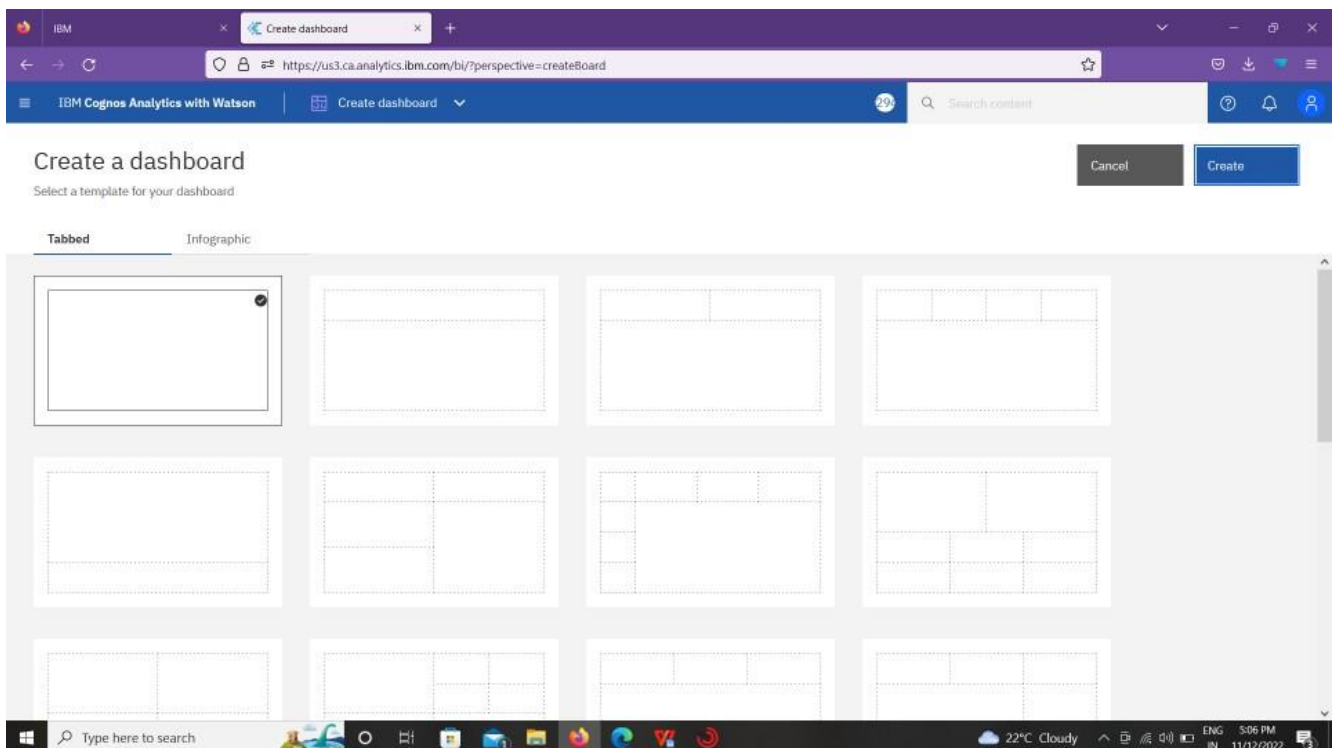
22°C Cloudy

ENG IN 5:06 PM 11/12/2022

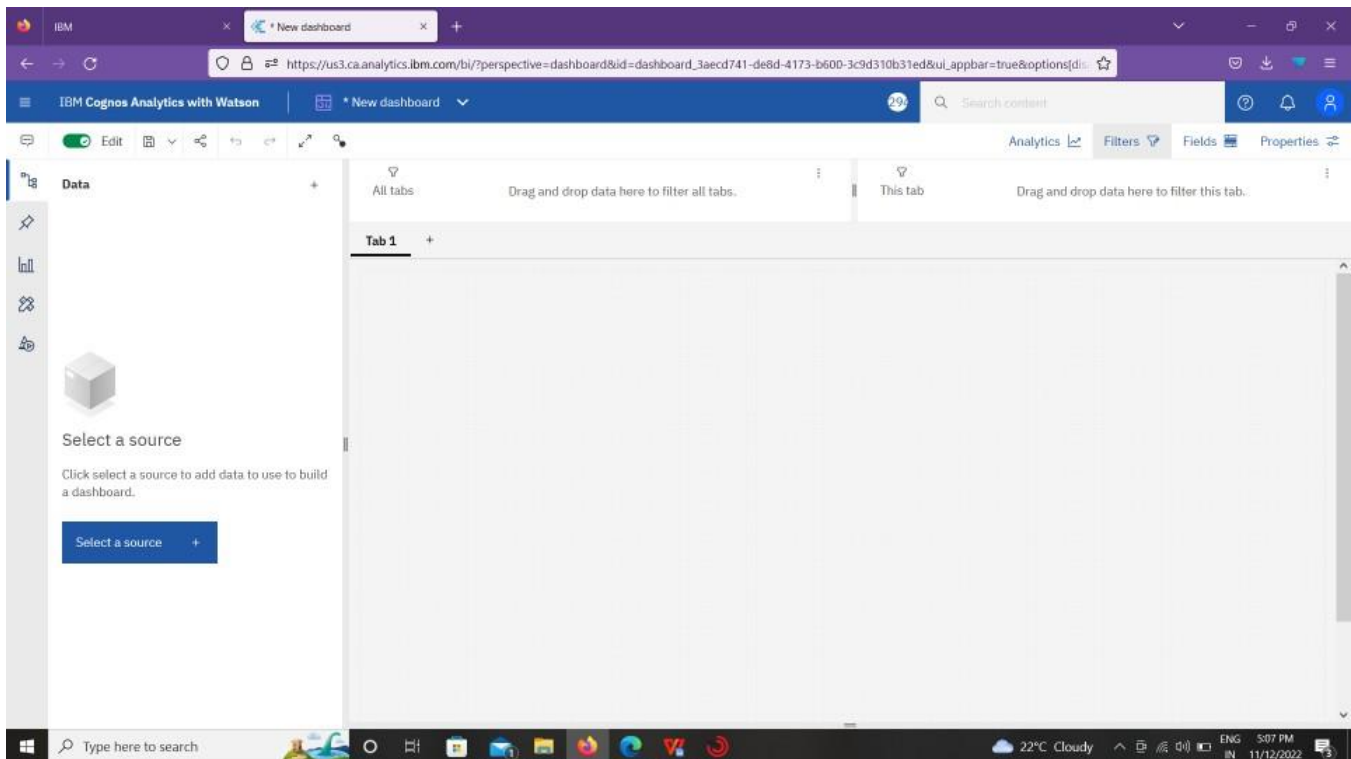
## Step2: Click **Present Data** and Choose **Dashboard**



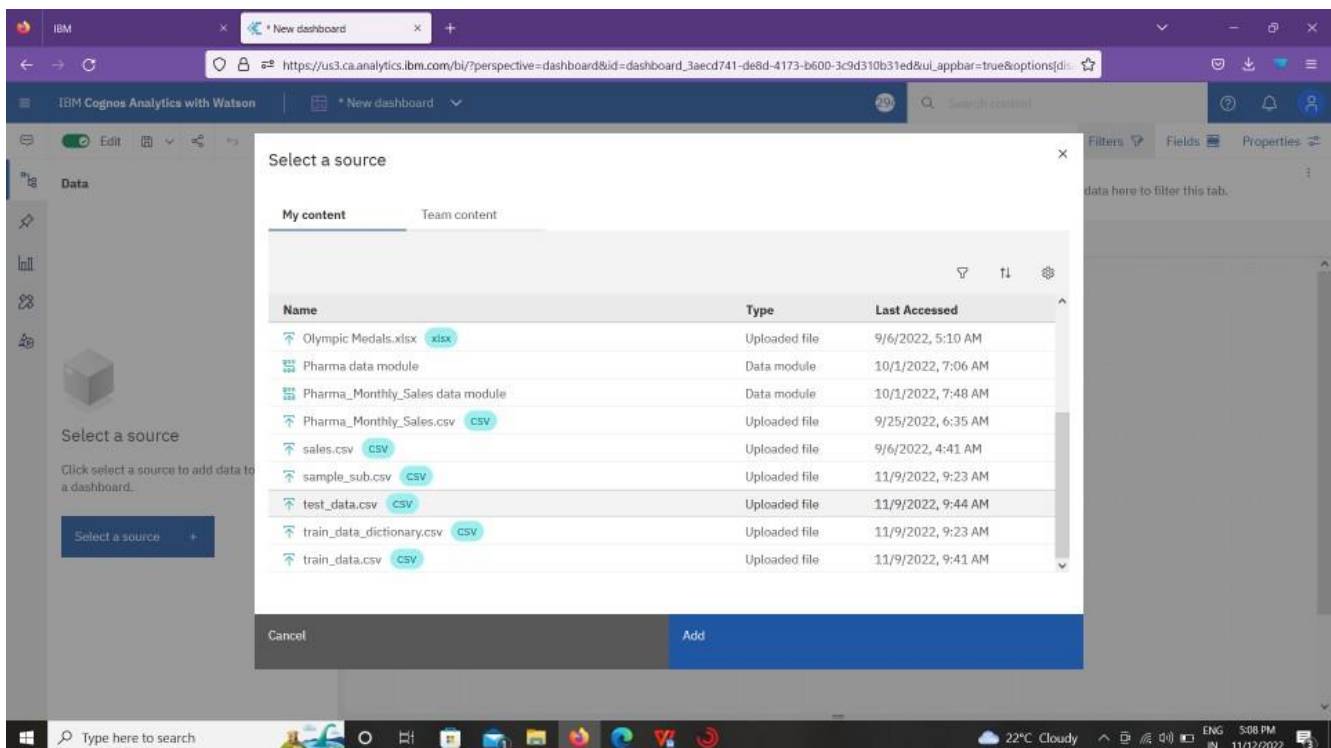
## Step3: Choose your desired **Template** (Tab) and Create the **Dashboard**



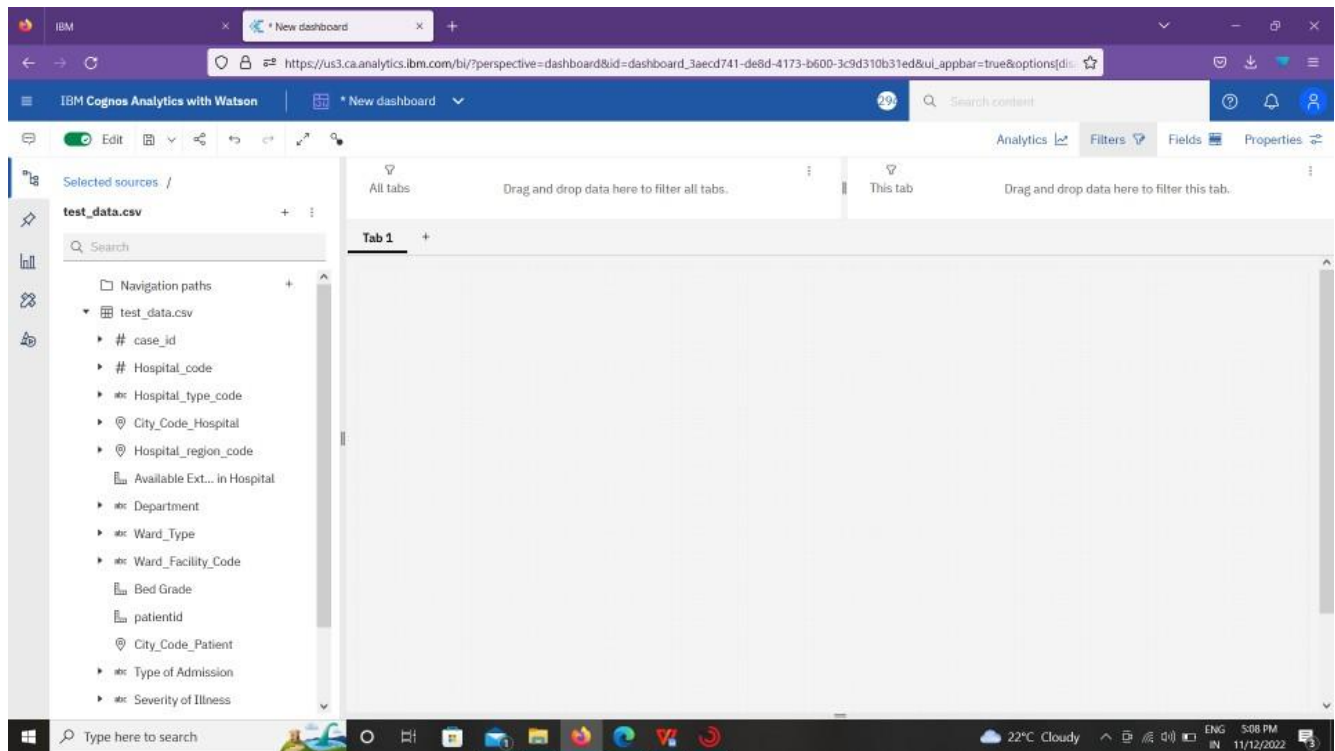
#### Step4: A New Dashboard Tab opens, then Select a Source



#### 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.

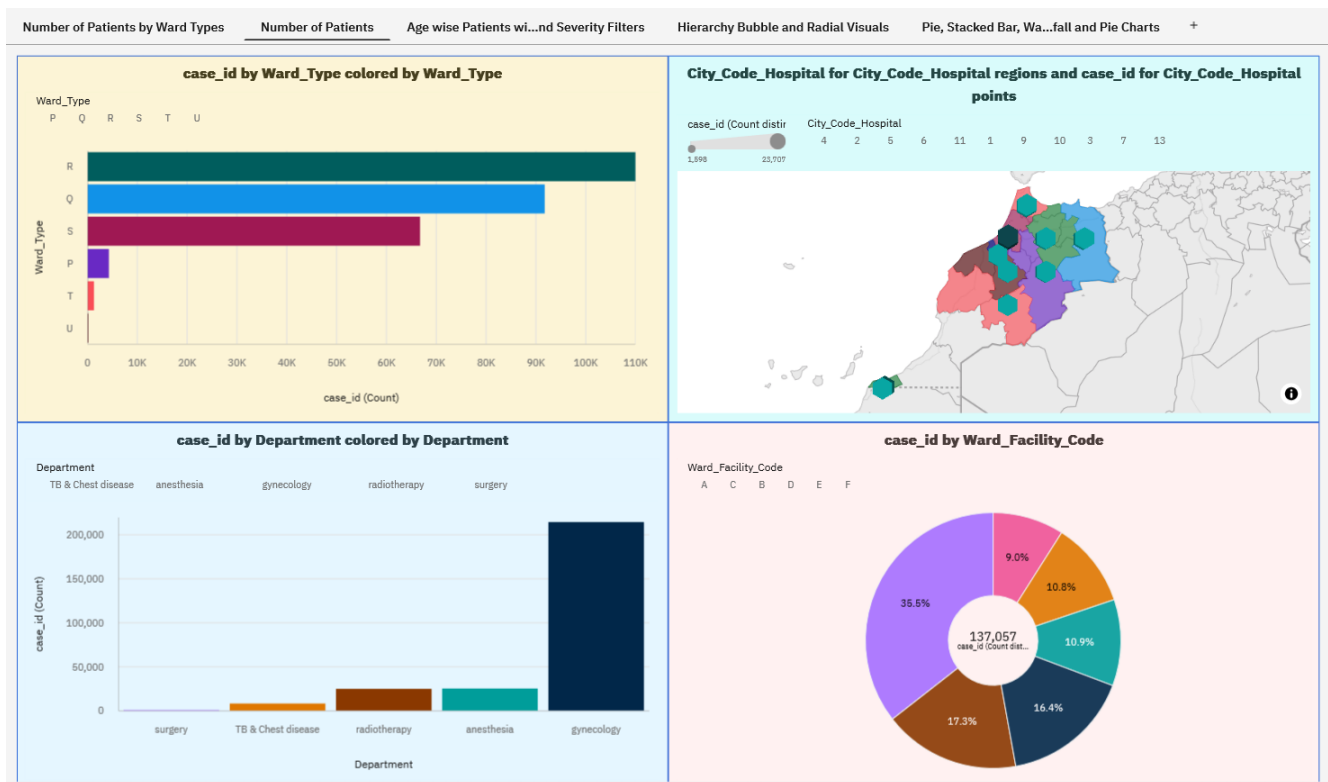
-Number of Patients by Ward Types



## 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

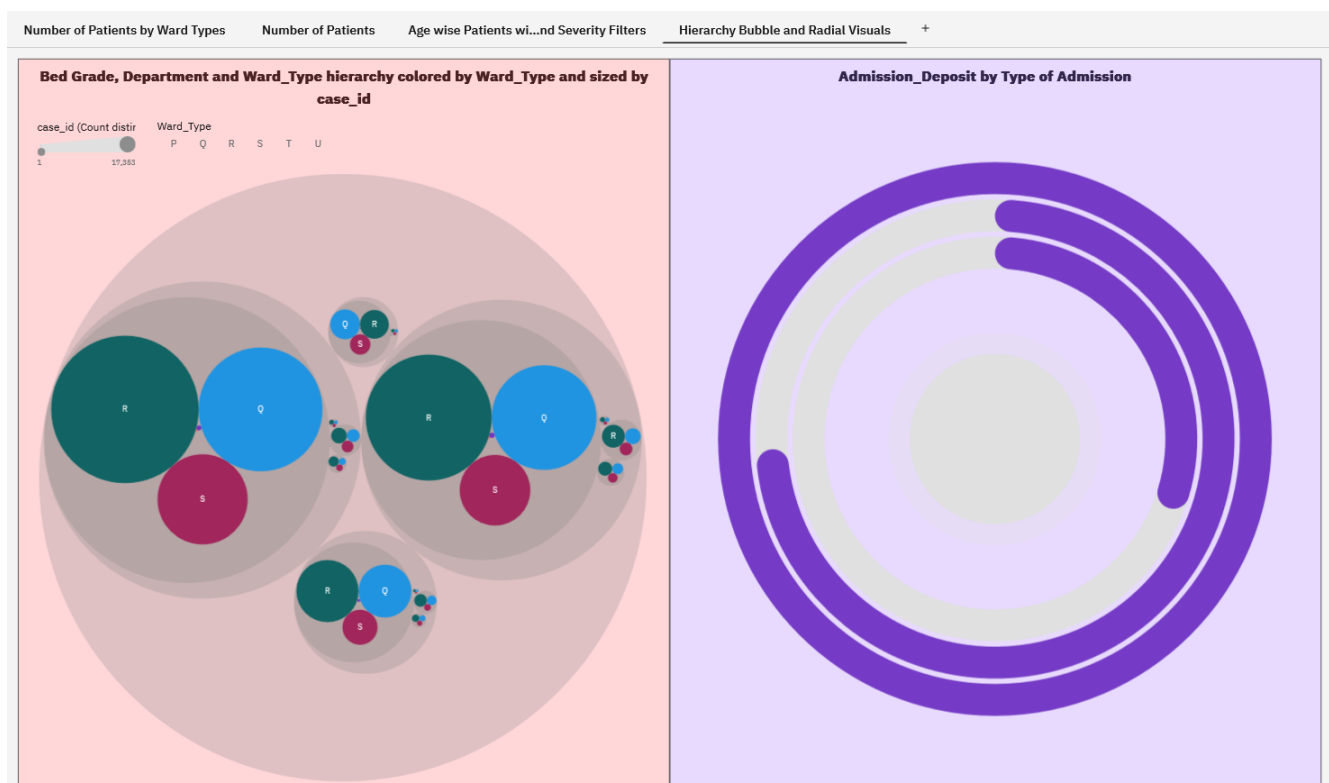
Build a column visual to show case Age wise Number of Patients with Department and Severity Filters.



## 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.

