

# PROJECT DEVELOPMENT PHASE

## DELIVERY OF SPRINT – 2

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PROJECT NAME	ANALYTICS FOR HOSPITALS' HEALTH CARE DATA

## DATA VISUALISATIONS

The screenshot displays the IBM Analytics Project Workspace interface. The top navigation bar includes 'IBM', a menu icon, and 'SETTINGS'. Below the navigation bar, there are tabs for 'Guided Project', 'Project Workspace', and 'Chat with Mentor'. The main content area is divided into a left sidebar and a central workspace.

**Left Sidebar:**

- Analytics For Hospitals' Health-Care Data (selected)
- Solution Requirements
- Project Objectives
- Project Flow (selected)
- IBM Account
- IBM Cognos Analytics
- Working With The Dataset
- Data Visualizations
- Ideation Phase
- Project Design Phase - I
- Project Design Phase - II
- Project Planning Phase
- Project Development

**Central Workspace:**

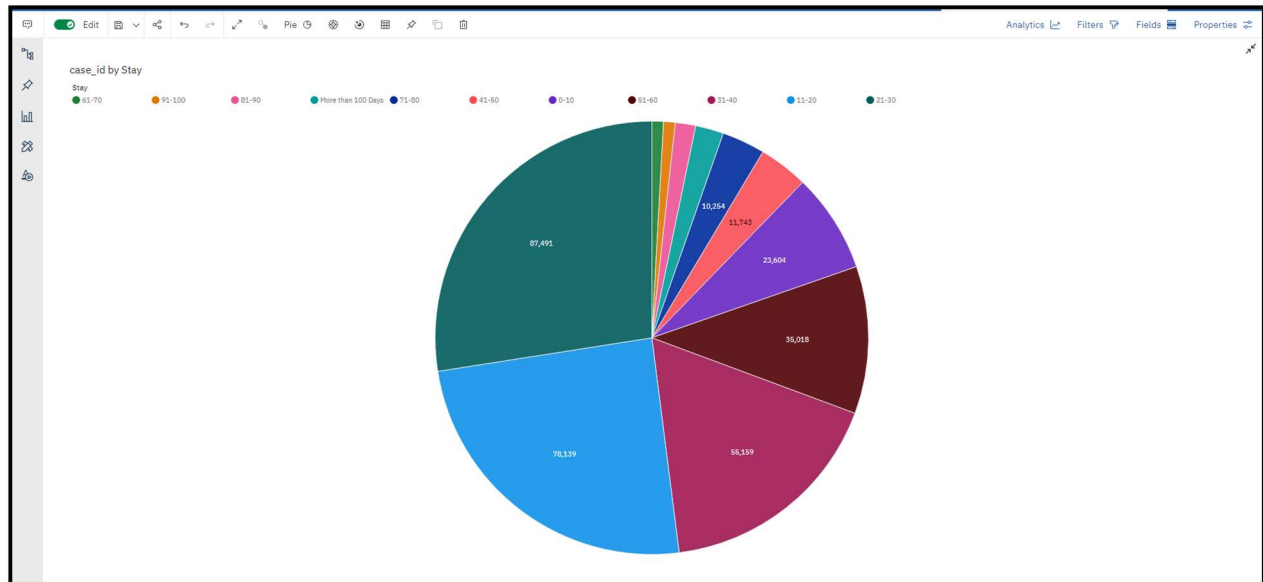
### Project Flow

- Users create multiple analytical graphs/charts/Visualizations.
- Using the Analytical Visualizations, build the required Dashboard(s).
- Saving and visualizing the final dashboard in the IBM Cognos Analytics.

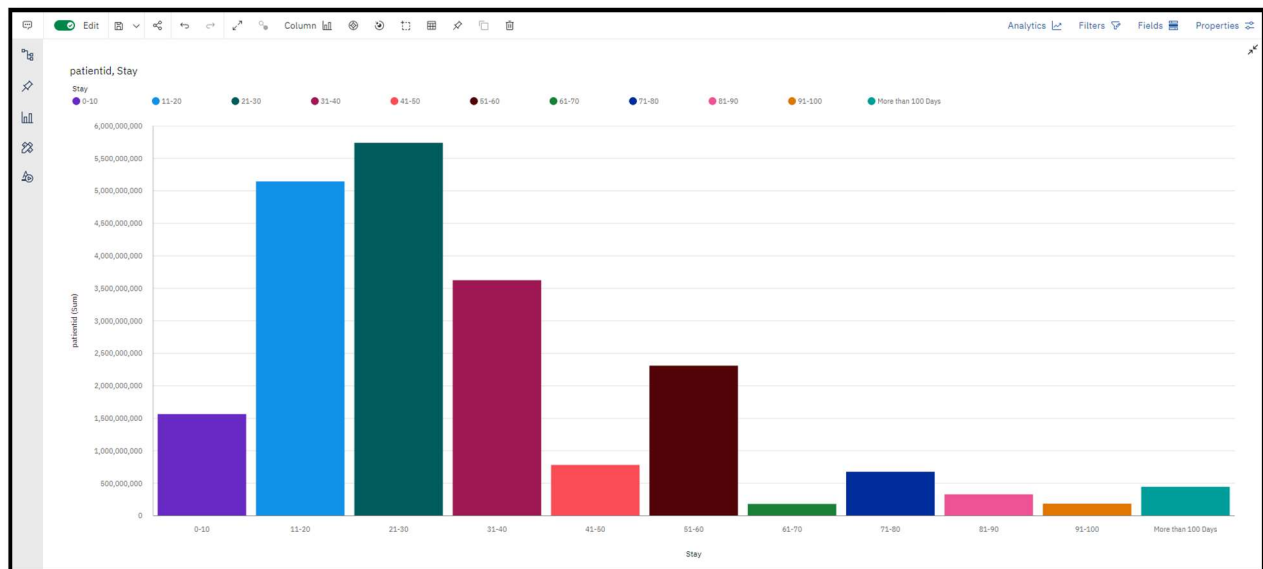
To accomplish this, we have to complete all the activities and tasks listed below:

- IBM Cloud Account
- Login to Cognos Analytics
- Working with the Dataset
  - Understanding the Dataset
  - Loading the Dataset
- Build the following visualizations
  - Length of Stay for each case of patients.
  - Stay by Patient ID using Column Chart
  - Severity of illness by Patient Id using Tree Map
  - Age, Department Wise Patient using Table
  - Room Availability by Pie Chart
  - Dashboard Creation
  - Department wise no. of admissions by Waterfall Chart

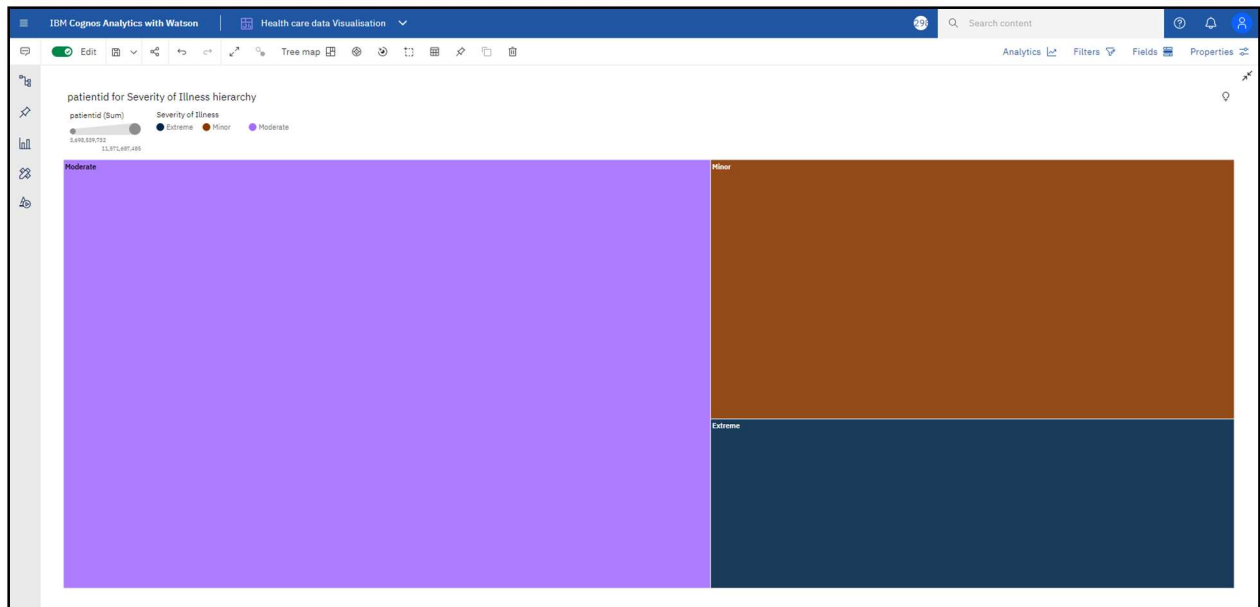
## 1. Length of Stay for each case of patients:



## 2. Stay by Patient ID using Column Chart:



### 3. Severity of illness by Patient-Id using Tree Map:

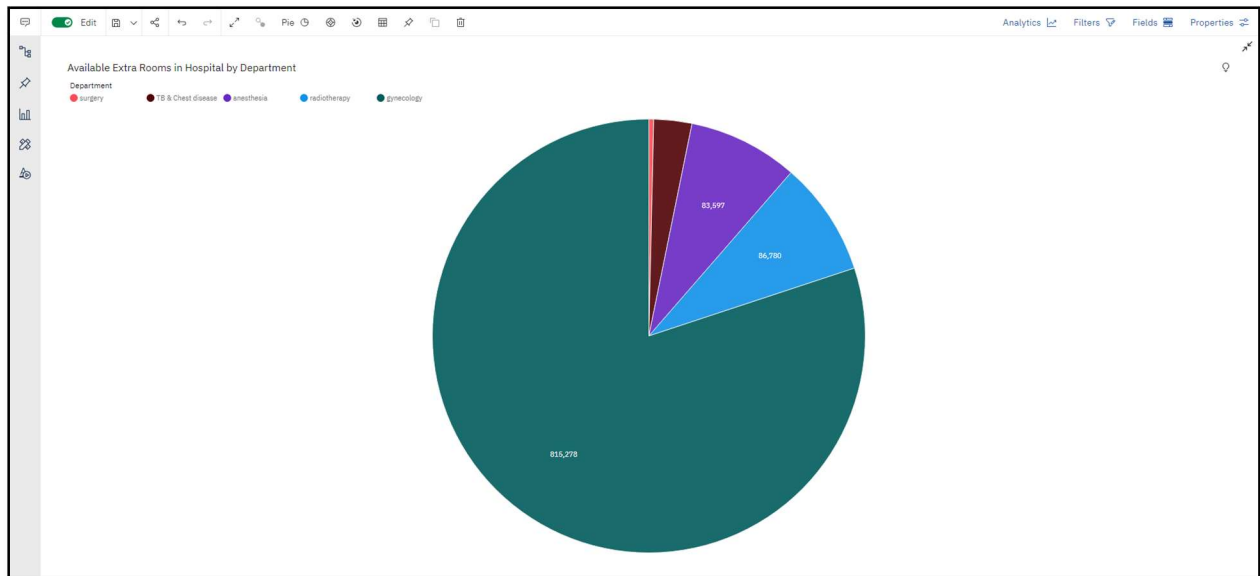


### 4. Age, Department Wise Patient using Table:

The table visualization shows the distribution of patients by age and department. The table has two columns: Department and Age. The Department column lists 'TB & Chest Disease' and 'anesthesia'. The Age column lists age ranges from 0-10 to 91-100.

Department	Age
TB & Chest Disease	0-10
	11-20
	21-30
	31-40
	41-50
	51-60
	61-70
	71-80
	81-90
	91-100
anesthesia	0-10
	11-20
	21-30
	31-40
	41-50
	51-60
	61-70
	71-80
	81-90
	91-100

## 5. Room Availability by Pie Chart:



## 6. Department wise no. of admissions by Waterfall Chart:

