

# Project Development Phase

## Sprint 1

TEAM ID	PNT2022TMID42544
PROJECT TOPIC	Analytics For Hospital Health Care Data

## Project Development Phases Deliverable:

SPRINT 1	<ul style="list-style-type: none"><li>➤ Data Collection</li><li>➤ Loading Of Data</li><li>➤ Data Preparation</li></ul>
SPRINT 2	<ul style="list-style-type: none"><li>➤ Data Exploration</li><li>➤ Data Visualisation</li></ul>
SPRINT 3	<ul style="list-style-type: none"><li>➤ Dashboard Creation</li></ul>
SPRINT 4	<ul style="list-style-type: none"><li>➤ Report</li><li>➤ Story</li></ul>

### 1.UNDERSTANDING THE DATA:

The project is based on understanding the Hospital Health Care Data Sets

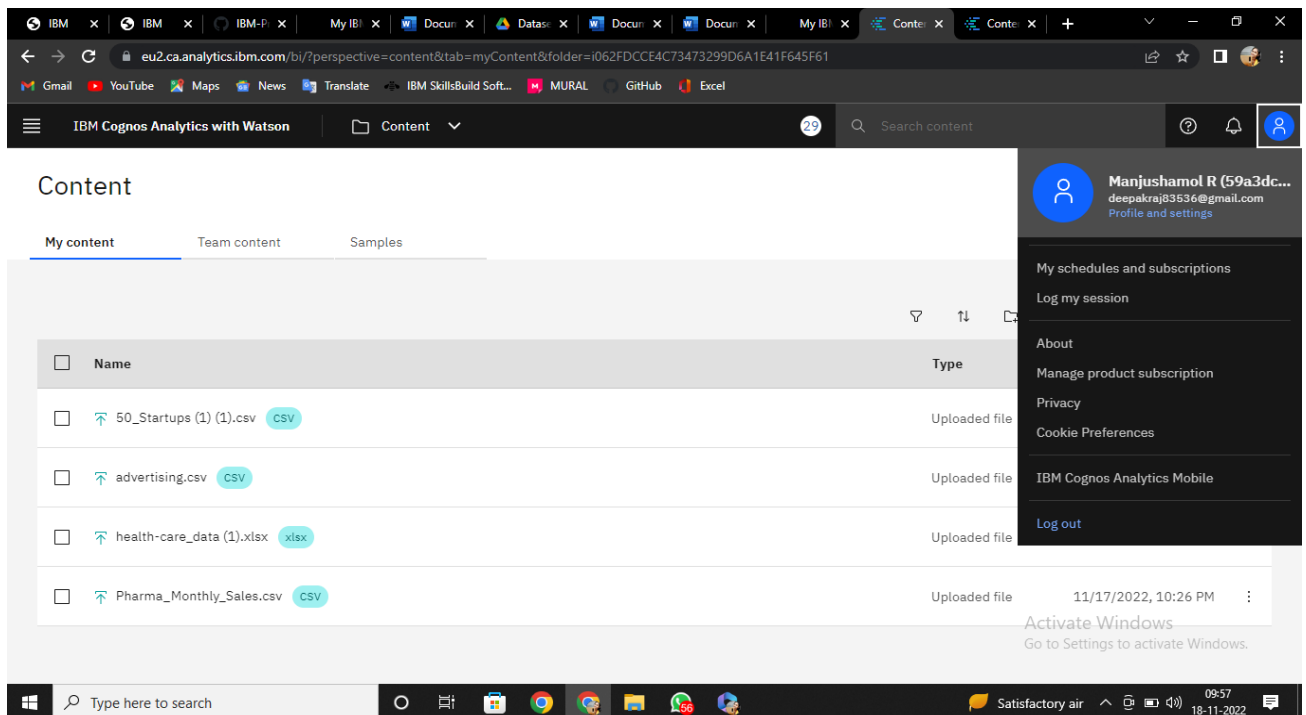
#### I. Dataset Link:

**Link:**[https://drive.google.com/drive/folders/1nG052ql\\_jl8asE7N\\_TQZgXV86rsFH8DP?usp=share\\_link](https://drive.google.com/drive/folders/1nG052ql_jl8asE7N_TQZgXV86rsFH8DP?usp=share_link)

## 2.DATA COLLECTION:

The Data sets are collected from various hospitals, depends upon monthly wise diseases

## 3.LOADING OF DATA:



The screenshot displays the IBM Cognos Analytics web interface. The browser address bar shows the URL: `eu2.ca.analytics.ibm.com/bi/?perspective=content&tab=myContent&folder=i062FDCCE4C73473299D6A1E41F645F61`. The page title is "Content". The navigation bar includes "My content", "Team content", and "Samples". The main content area shows a table of uploaded files:

Name	Type
50_Startups (1) (1).csv	Uploaded file
advertising.csv	Uploaded file
health-care_data (1).xlsx	Uploaded file
Pharma_Monthly_Sales.csv	Uploaded file

The right sidebar shows the user profile for "Manjushamol R (59a3dc...)" with email "deepakraj83536@gmail.com" and options for "My schedules and subscriptions", "Log my session", "About", "Manage product subscription", "Privacy", "Cookie Preferences", "IBM Cognos Analytics Mobile", and "Log out". The Windows taskbar at the bottom shows the date and time as 09:57 on 18-11-2022.

## 4.DATA PREPARATION:

The screenshot displays the IBM Cognos Analytics web interface. The browser address bar shows the URL: [eu2.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=3133491260\\_b1ca2f18e2da493aa373e400fec467bf\\_sessionTemp&objRef=&tid=3133491260\\_b1ca2f18e2da4...](https://eu2.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=3133491260_b1ca2f18e2da493aa373e400fec467bf_sessionTemp&objRef=&tid=3133491260_b1ca2f18e2da4...). The interface includes a top navigation bar with tabs for 'IBM', 'IBM-EPBL/IBM-Proje...', 'My IBM', '\* New data module', 'Home', and 'IBM-Project-17136-16'. A search bar is present with the text 'Search content'. Below the navigation bar, the 'Data module' section is active, showing a list of data modules under 'health-car...a (1).xlsx'. The 'Grid' view is selected, displaying a table with the following columns: Row Id, case\_id, Hospital\_code, Hospital\_type\_code, City\_Code\_Hospital, and Hospital\_region\_c. The table contains 10 rows of data. The bottom of the screen shows a Windows taskbar with the search bar, task view button, and several application icons. The system tray indicates a temperature of 30°C, cloudy weather, and the date/time 19:36 on 17-11-2022.

Row Id	case_id	Hospital_code	Hospital_type_code	City_Code_Hospital	Hospital_region_c
1	318439	21	c	3	Z
2	318440	29	a	4	X
3	318441	26	b	2	Y
4	318442	6	a	6	X
5	318443	28	b	11	X
6	318444	23	a	6	X
7	318445	26	b	2	Y
8	318446	25	e	1	X
9	318447	23	a	6	X
10	318448	23	a		X

# 5.NULL VALUES

The screenshot shows the IBM Cognos Analytics interface. On the left, a 'Data module' pane lists various fields. The 'City\_Code\_Hospital' field is selected, and a context menu is open over it. The menu options include: Filter..., Create calculation..., Create data group..., Create navigation path..., Search for members..., Refresh members, Hide from users, Remove, Refresh properties..., Format data..., Clean..., Rename, Cut, Copy, and Properties. The 'Clean...' option is highlighted. The main area displays a data grid with columns: case\_id, Hospital\_code, Hospital\_type\_code, City\_Code\_Hospital, and Hospital\_region\_code. The data rows show various values for these fields.

case_id	Hospital_code	Hospital_type_code	City_Code_Hospital	Hospital_region_code
318439	21	c	3	Z
318440	29	a	4	X
318441	26	b	2	Y
318442	6	a	6	X
318443	28	b	11	X
318444	23	a	6	X
318445	26	b	2	Y
318446	25	e	1	X
318447	23	a	6	X
318448	23	a	6	X

The screenshot shows the same IBM Cognos Analytics interface, but with the 'Clean - City\_Code\_Hospital' dialog box open. The dialog box has a title bar 'Clean - City\_Code\_Hospital' and a close button. It contains a section titled 'NULL values' with two options: 'Replace this value with NULL' and 'Replace NULL values with'. Both options have a dropdown menu set to '0'. There are 'Cancel' and 'Clean' buttons at the bottom of the dialog box. The background data grid is dimmed.

Row Id	case_id	Hospital_code	Hospital_type_code	City_Code_Hospital	Hospital_region_code
1				3	Z
2				4	X
3				2	Y
4				6	X
5				11	X
6				6	X
7				2	Y
8	318446	25	e	1	X
9	318447	23	a	6	X
10	318448	23	a	6	X

## **6.PREPARED DATA LINK:**

[https://eu2.ca.analytics.ibm.com/bi/?perspective=home  
&folder=i37991FC0A356474EBF18BB50DDB9D062](https://eu2.ca.analytics.ibm.com/bi/?perspective=home&folder=i37991FC0A356474EBF18BB50DDB9D062)

Done by,

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