

PROJECT DEVELOPMENT PHASE

SPRINT DELIVERY -1

TEAM ID : PNT2022TMID28238
BATCH NO : B3-3M5E
PROJECT : Analytics for Hospitals Health-Care Data
DATE : 7 NOV 2022

Project Development Phase

Sprint-1:

- Data Collection
- Loading of data
- Data Preparation

Sprint-2:

- Data Exploration
- Data Visualization

Sprint-3:

- Dashboard Creation

Sprint-4:

- Report Creation
- Story Creation

DATA COLLECTION

HOSPITAL DATA SET

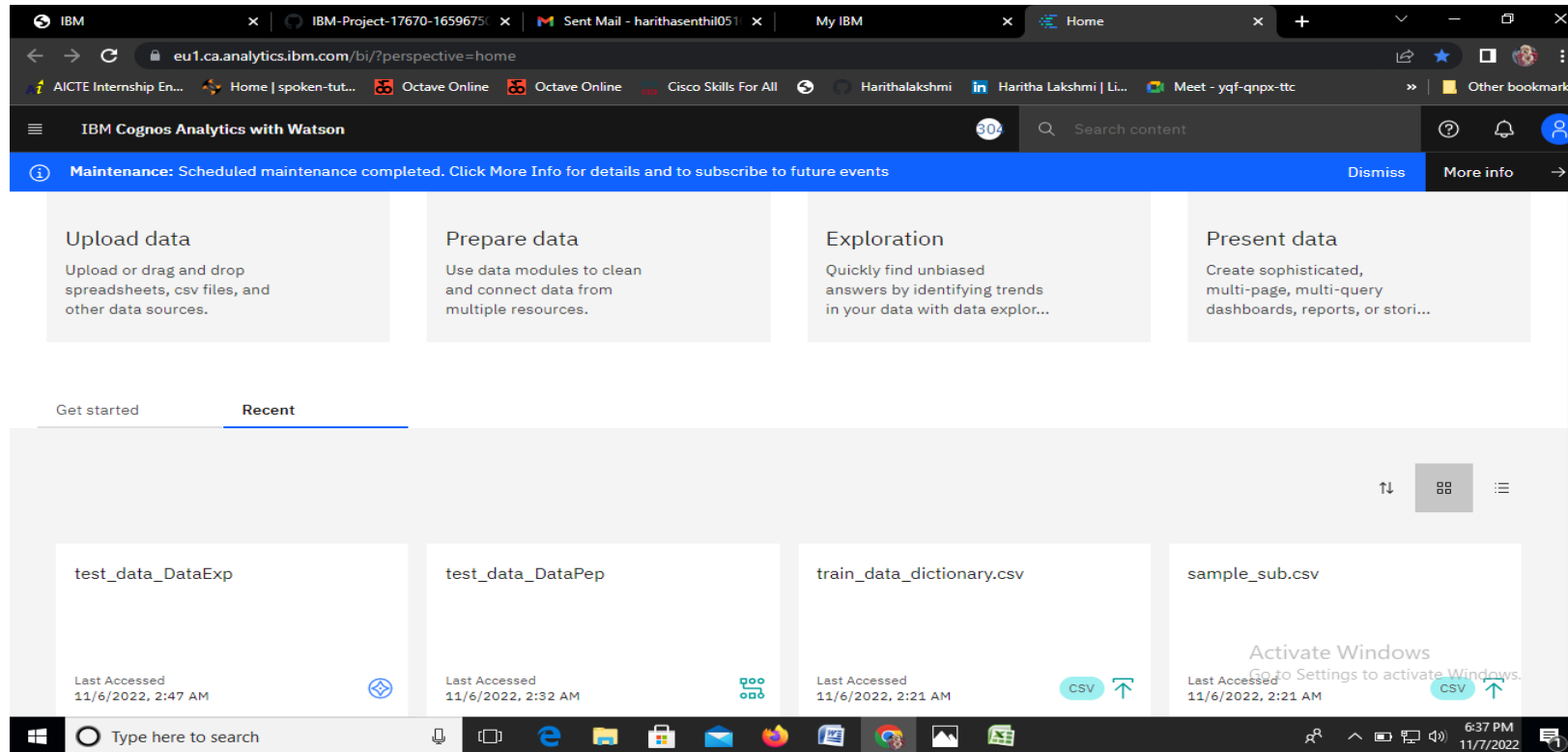
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UNDERSTANDING THE DATA

- This project is based on understanding the Hospital dataset .
- The data is spread across 3 data files (csv) and one data dictionary enclosed.
- Test_data.csv 2.Sample_sub.csv 3.Train_data_dictionary.csv4.Train_data.csv
- The primary data file we use is test_data.csv consist of 17 Columns with 137057 Rows.

LOADING OF DATA

- ❖ Connect the data to IBM Cognos.
- ❖ Cognos supports connecting to a wide variety of data, stored in a variety of places.
- ❖ Loading of the data set in IBM Cognos is important for analyzing.



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Properties

☰ Data module + ⌚

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test_data_DataPep

Navigation paths +

test_data.csv

Row Id

case_id

Hospital_code

abc Hospital...ype_code

📍 City_Code_Hospital

📍 Hospital...ion_code

📊 Available...Hospital

abc Department

abc Ward_Type

abc Ward_Facility_Code

📊 Bed Grade

Grid Relationships Custom tables

↕	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		
	11	318449	10	c	1	

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Replacing NULL into values

The screenshot displays the IBM Cognos Analytics web interface. The browser's address bar shows the URL: `eu1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=i43F71648BD9E459882B55D528CF942C3&objRef=i43F71648BD9E459882B55D528CF942C3&tid=416656094...`. The interface includes a top navigation bar with the IBM Cognos Analytics logo and a search bar. Below this, a 'Data module' panel on the left lists various data sources, with 'City_Code_Hospital' selected. The main area shows a 'Grid' view of a data table. The table has columns: 'Row Id', 'case_id', 'Hospital_code', 'Hospital_type_code', 'City', and 'Region_code'. The 'City' column is currently selected, and a context menu is open over its header. The menu options are: 'Filter...', 'Create calculation...', 'Create data group...', 'Create navigation path...', 'Hide from users', 'Remove', 'Format data...', 'Clean...', 'Sort descending', 'Sort ascending', and 'Properties'. The table data includes rows with 'Row Id' values ranging from 726 to 735. The bottom of the screen shows the Windows taskbar with the search bar and several application icons.

Row Id	case_id	Hospital_code	Hospital_type_code	City	Region_code
726	319164	25	e	1	
727	319165	28	b	11	
728	319166	2	c	5	
729	319167	9	d	5	
730	319168	19	a	7	
731	319169	15	c	5	
732	319170	3	c	3	
733	319171	10	e	1	
734	319172	14	a	1	X
735	319173	27	a		Y

The screenshot displays the IBM Cognos Analytics interface. A data module is open, showing a list of fields on the left, including 'City_Code_Hospital'. A 'Clean' dialog box is overlaid on the data table, titled 'Clean - City_Code_Hospital'. The dialog box has a 'NULL values' section with two options: 'Replace this value with NULL' (unchecked) and 'Replace NULL values with' (checked). The value '7' is entered in the field next to the checked option. The background data table has columns 'City_Code_Hospital' and 'Hospital_region'. The Windows taskbar is visible at the bottom.

PREPARED DATA LINK

https://eu1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&pathRef=.my_folders%2Ftest_data_DataPep

