

Project Development Phase Delivery of Sprint-1

Date	2 November 2022
Team ID	PNT2022TMID29634
Project Name	Analytics for hospital's health care

Project Development Phase:

Sprint-1:

- Data Collection
- Data Preparation

Sprint-2:

- Data Exploration

Sprint-3:

- Dashboard creation

Sprint-4:

- Report Creation
- Story Creation

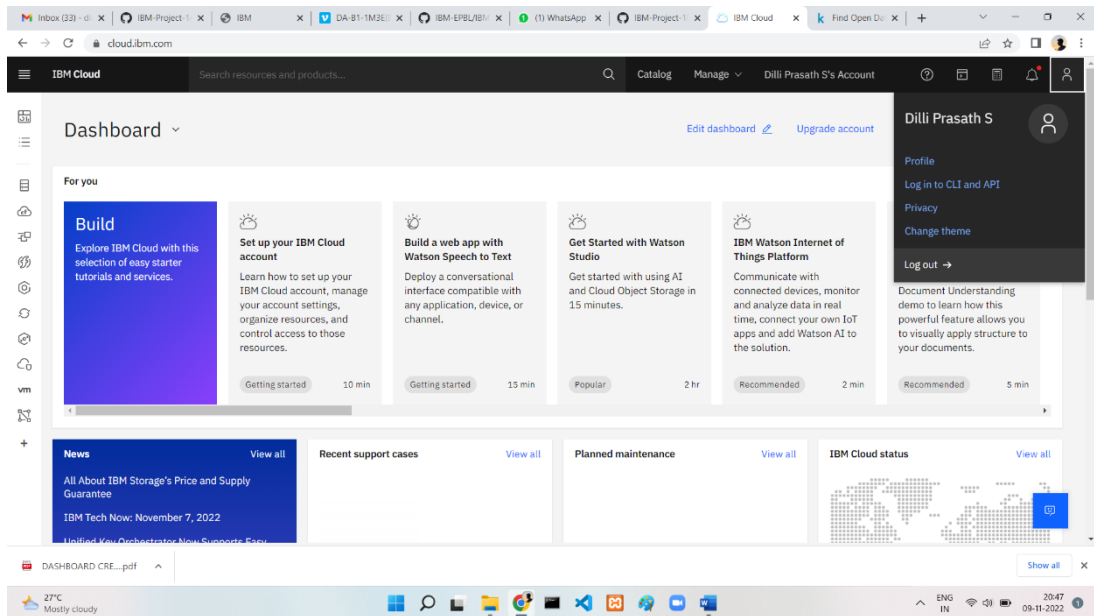
Sprint-1:

Data Collection: Download the Dataset Link:

https://drive.google.com/drive/folders/1qozDgfVw04hGS8Di_SFhUNdUKUdjkhT?usp=sharing

Load the Dataset:

Tool used: IBM Cognos Analytic



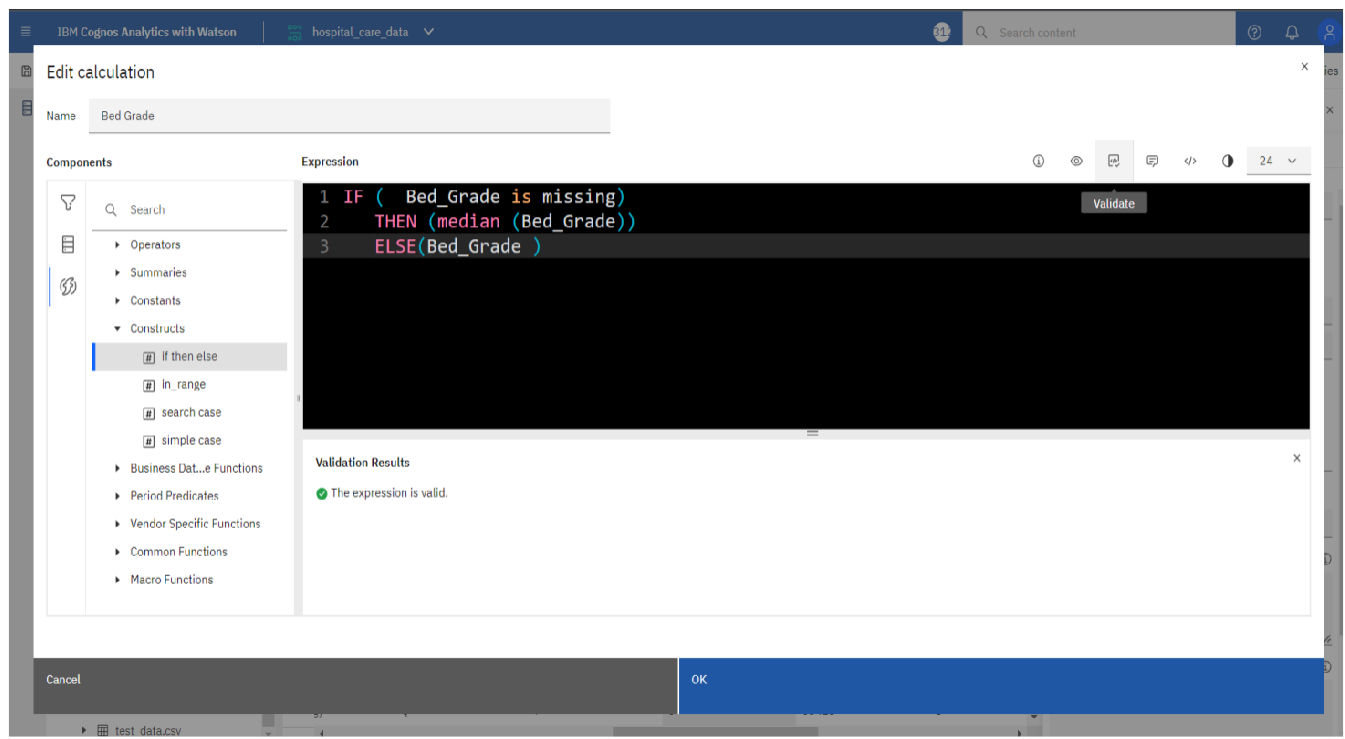
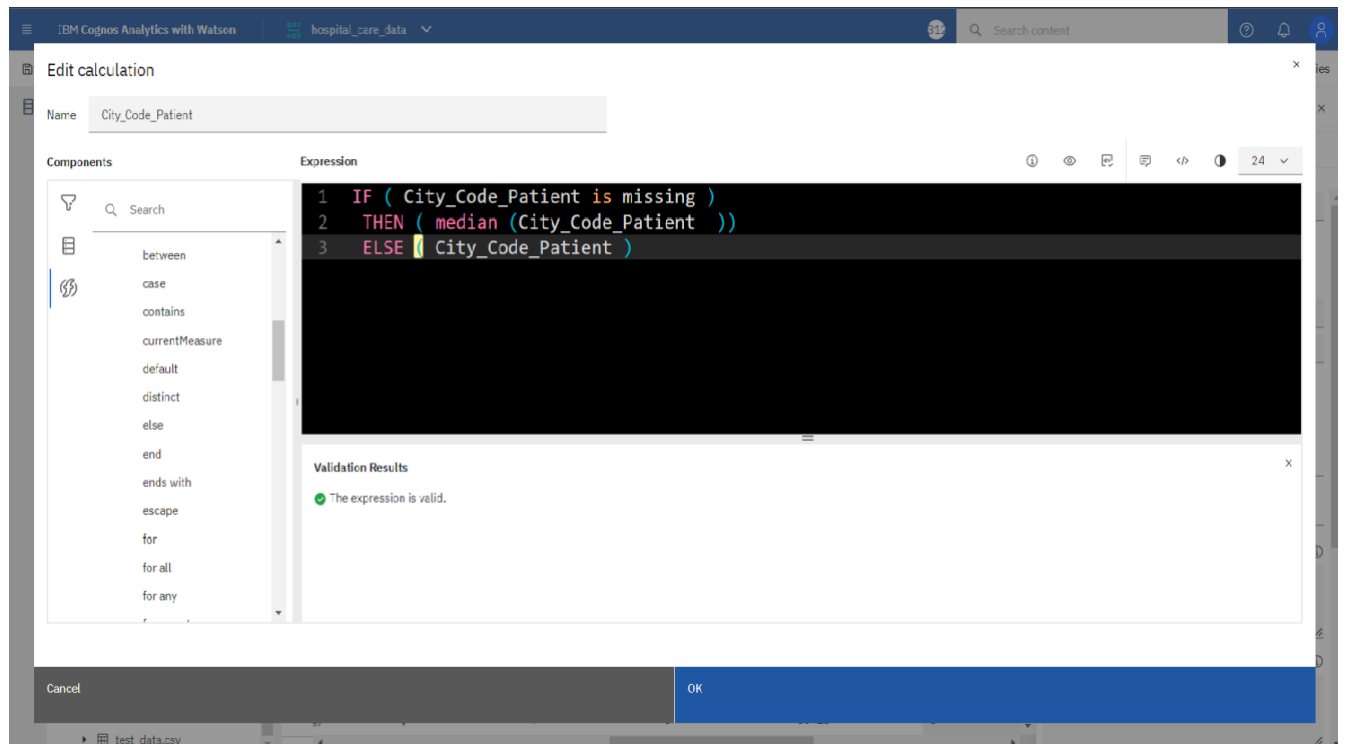
Data Preparation:

Prepare the Dataset

The screenshot displays the IBM Cognos Analytics interface. The top navigation bar includes the text "IBM Cognos Analytics with Watson", a dropdown menu for "hospital_care_data", a search bar, and user profile icons. Below the navigation bar, a "Data module" sidebar on the left contains a search bar and a list of items: "hospital_care_data", "Navigation paths", "train_data.csv", and "test_data.csv". The main area shows a table with columns: "Row Id", "case_id", "Hospital_code", "Hospital_type_code", "City_Code_Hospital", "Hospital_region_code", "Available E...In Hospital", and "Department". The table contains 16 rows of data.

Row Id	case_id	Hospital_code	Hospital_type_code	City_Code_Hospital	Hospital_region_code	Available E...In Hospital	Department
1	1	8	c	3	Z	3	radiotherapy
2	2	2	c	5	Z	2	radiotherapy
3	3	10	e	1	X	2	anesthesia
4	4	26	b	2	Y	2	radiotherapy
5	5	26	b	2	Y	2	radiotherapy
6	6	23	a	6	X	2	anesthesia
7	7	32	f	9	Y	1	radiotherapy
8	8	23	a	6	X	4	radiotherapy
9	9	1	d	10	Y	2	gynecology
10	10	10	e	1	X	2	gynecology
11	11	22	g	9	Y	2	radiotherapy
12	12	26	b	2	Y	4	radiotherapy
13	13	16	c	3	Z	2	radiotherapy
14	14	9	d	5	Z	3	radiotherapy
15	15	6	a	6	X	4	gynecology
16	16	6	a	6	X	3	gynecology

Null Values Cleaning Process:



IBM Cognos Analytics with Watson

hospital_care_data

Search content

Properties

Data...duple

GridRelationshipsCustom tables

Q Search

Tr...SV

R...

C...

H...

abc H...

C...

H...

A...

abc D...

abc ...

abc ...

R...

D...

C...

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V...

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te...SV

I Grade	patientid	City_Code_Patient	Type of Admission	Severity of Illness	Visitors with Patient	Age	Admission_Deposit	Stay
	31397	7	Emergency	Extreme	2	51-60	4911	0-10
	31397	7	Trauma	Extreme	2	51-60	5954	41-50
	31397	7	Trauma	Extreme	2	51-60	4745	31-40
	31397	7	Trauma	Extreme	2	51-60	7272	41-50
	31397	7	Trauma	Extreme	2	51-60	5558	41-50
	31397	7	Trauma	Extreme	2	51-60	4449	11-20
	31397	7	Emergency	Extreme	2	51-60	6167	0-10
	31397	7	Trauma	Extreme	2	51-60	5571	41-50
	31397	7	Trauma	Extreme	2	51-60	7223	51-60
	31397	7	Trauma	Extreme	2	51-60	6056	31-40
	31397	7	Urgent	Extreme	2	51-60	5797	21-30
	31397	7	Urgent	Extreme	2	51-60	5993	11-20
	31397	7	Emergency	Extreme	2	51-60	5141	0-10
	31397	7	Urgent	Extreme	2	51-60	8477	21-30
	63418	8	Emergency	Extreme	2	71-80	2685	0-10
	63418	8	Emergency	Extreme	2	71-80	9398	0-10