

## Project Development Phase Delivery of Sprint-1

<b>Date</b>	2 November 2022
<b>Team ID</b>	PNT2022TMID26935
<b>Project Name</b>	Analytics for hospital's health care

### Project Development Phase:

#### Sprint-1:

- Data Collection
- Data Preparation

## Sprint-1:

### Data Collection: Download the Dataset Link:

[https://drive.google.com/drive/folders/1qozDgfVw04hGS8Di\\_SFhUNdUKUdjkhRT?usp=sharing](https://drive.google.com/drive/folders/1qozDgfVw04hGS8Di_SFhUNdUKUdjkhRT?usp=sharing)

## Loading the Dataset:

Tool used: IBM Cognos Analytics

The screenshot displays the IBM Cognos Analytics with Watson dashboard. At the top, a dark header bar contains the title "IBM Cognos Analytics with Watson", a search bar, and user profile icons. Below the header, a large banner area features the text "Hello. welcome to Cognos" and "You can get started right away by taking a look at our Started tab." with buttons for "Watch video" and "Take a product tour". A progress bar in the center indicates "Analyzing test\_data.csv" with "Cancel" and "Details" links. On the right, a user profile menu for "Dinu Ananth" lists options like "My schedules and subscriptions", "Log my session", "About", "Manage product subscription", "Privacy", "Cookie Preferences", "IBM Cognos Analytics Mobile", and "Log out". Below the banner, a "Quick launch" section offers four main actions: "Upload data", "Prepare data", "Exploration", and "Present data", each with a brief description of its functionality.

IBM Cognos Analytics with Watson

Search content

Hello. welcome to Cognos

You can get started right away by taking a look at our Started tab.

Watch video

Take a product tour

Analyzing test\_data.csv

Cancel Details

Dinu Ananth (1537feb9d...)

dinushrewd@gmail.com

Profile and settings

My schedules and subscriptions

Log my session

About

Manage product subscription

Privacy

Cookie Preferences

IBM Cognos Analytics Mobile

Log out

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.

# Data Preparation:

## -Prepare the Dataset

IBM Cognos Analytics with Watson

New data module

516

Search content

Properties

Data module

Search

New data module

Navigation paths

test\_data.csv

train\_data.csv

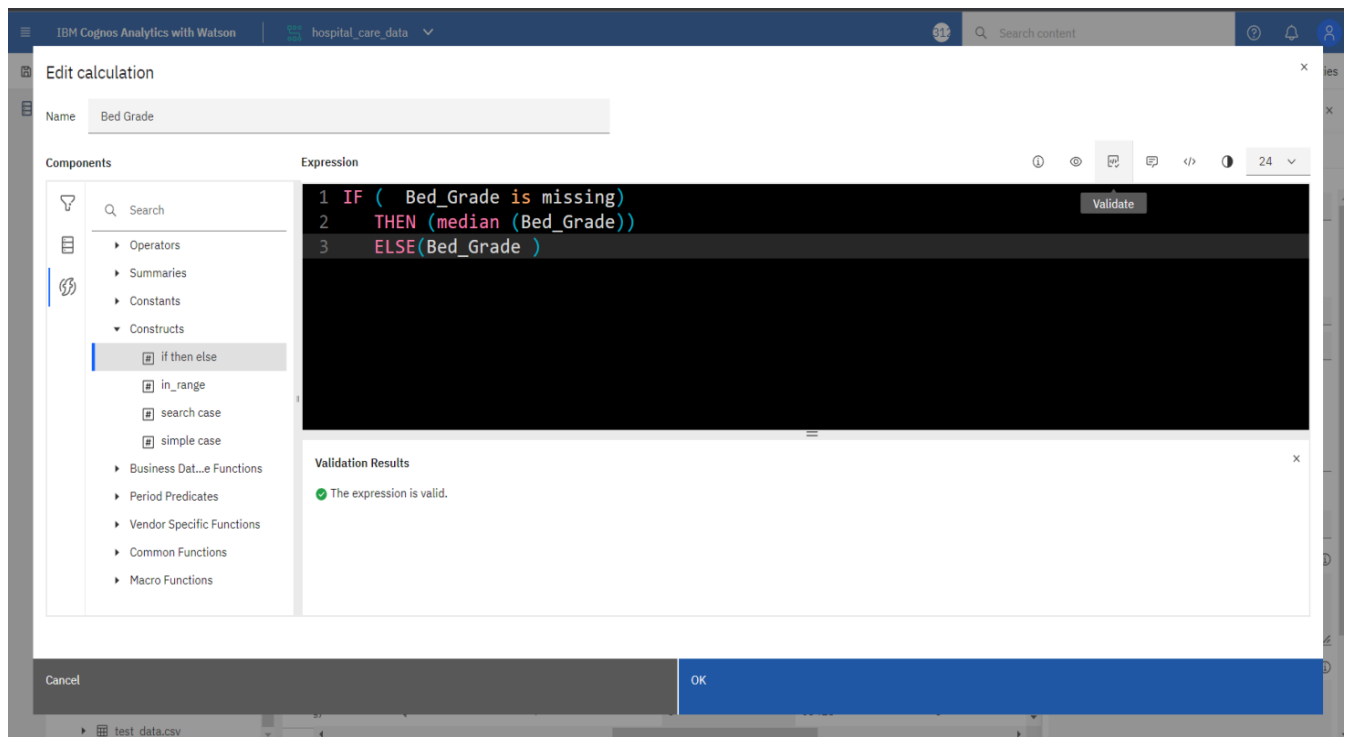
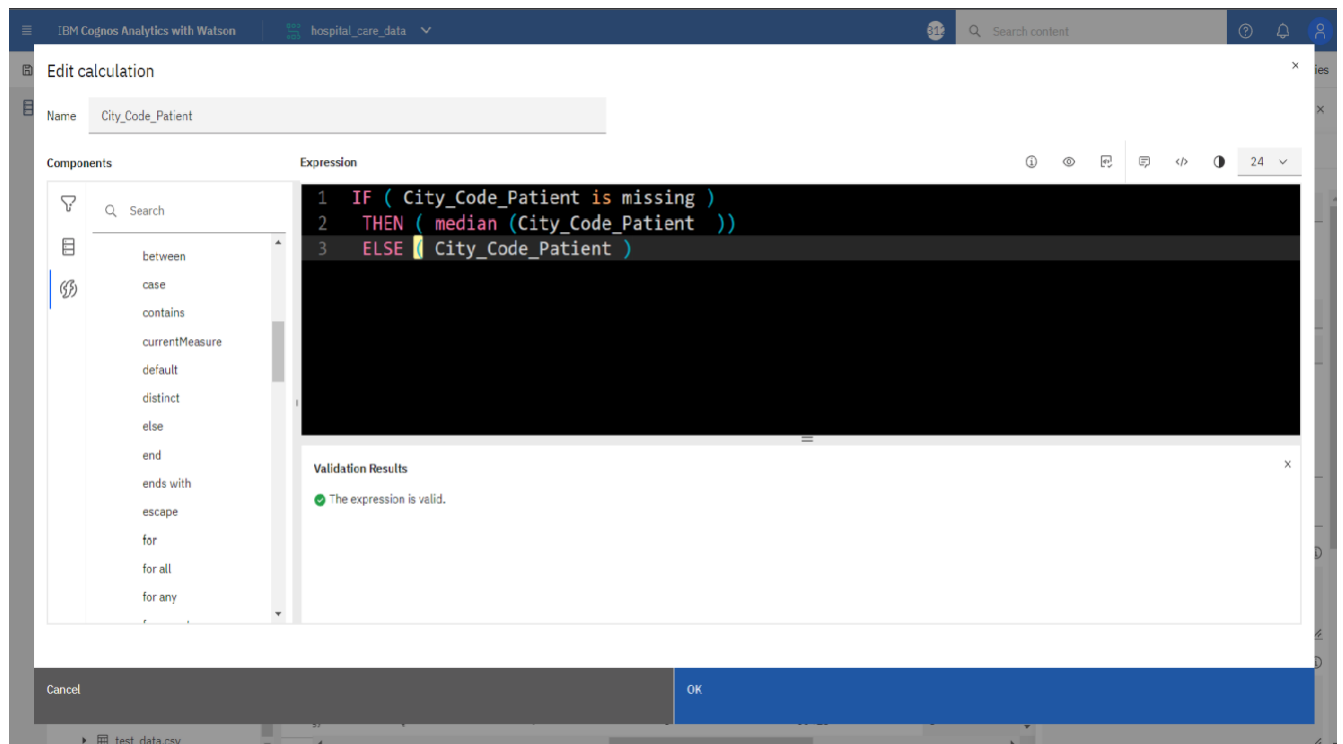
Grid

Relationships

Custom tables

Row Id	case_id	Hospital_code	Hospital_type_code	City_Code_Hospital	Hospital_region_code	Available E...in Hospital	Department
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
17	17	23	a	6	X	4	radiotherapy
18	18	29	a	4	X	4	anesthesia
19	19	32	f	9	Y	4	radiotherapy
20	20	12	a	9	Y	4	radiotherapy

# Null Values Cleaning Process:



IBM Cognos Analytics with Watson									
hospital_care_data									
Search content									
Properties									
Data module									
Grid Relationships Custom tables									
ent	Ward_Type	Ward_Facility_Code	Bed Grade	patientid	City_Code_Patient	Type of Admission	Severity of Illness	Vi	
apy	R	F	2	31397	7	Emergency	Extreme		
apy	S	F	2	31397	7	Trauma	Extreme		
ia	S	E	2	31397	7	Trauma	Extreme		
apy	R	D	2	31397	7	Trauma	Extreme		
apy	S	D	2	31397	7	Trauma	Extreme		
ia	S	F	2	31397	7	Trauma	Extreme		
apy	S	B	3	31397	7	Emergency	Extreme		
apy	Q	F	3	31397	7	Trauma	Extreme		
zy	R	B	4	31397	7	Trauma	Extreme		
zy	S	E	3	31397	7	Trauma	Extreme		
apy	S	B	2	31397	7	Urgent	Extreme		
apy	R	D	1	31397	7	Urgent	Extreme		
apy	R	A	3	31397	7	Emergency	Extreme		
apy	S	F	3	31397	7	Urgent	Extreme		
zy	Q	F	3	63418	8	Emergency	Extreme		
zy	Q	F	3	63418	8	Emergency	Extreme		

## Hospital Data:

IBM Cognos Analytics with Watson									
hospital_care_data									
Search content									
Properties									
Data module									
Grid Relationships Custom tables									
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		

IBM Cognos Analytics with Watson

hospital\_care\_data

Q Search content

Properties

Data ...dule

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Age

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Grid

Relationships

Custom tables

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