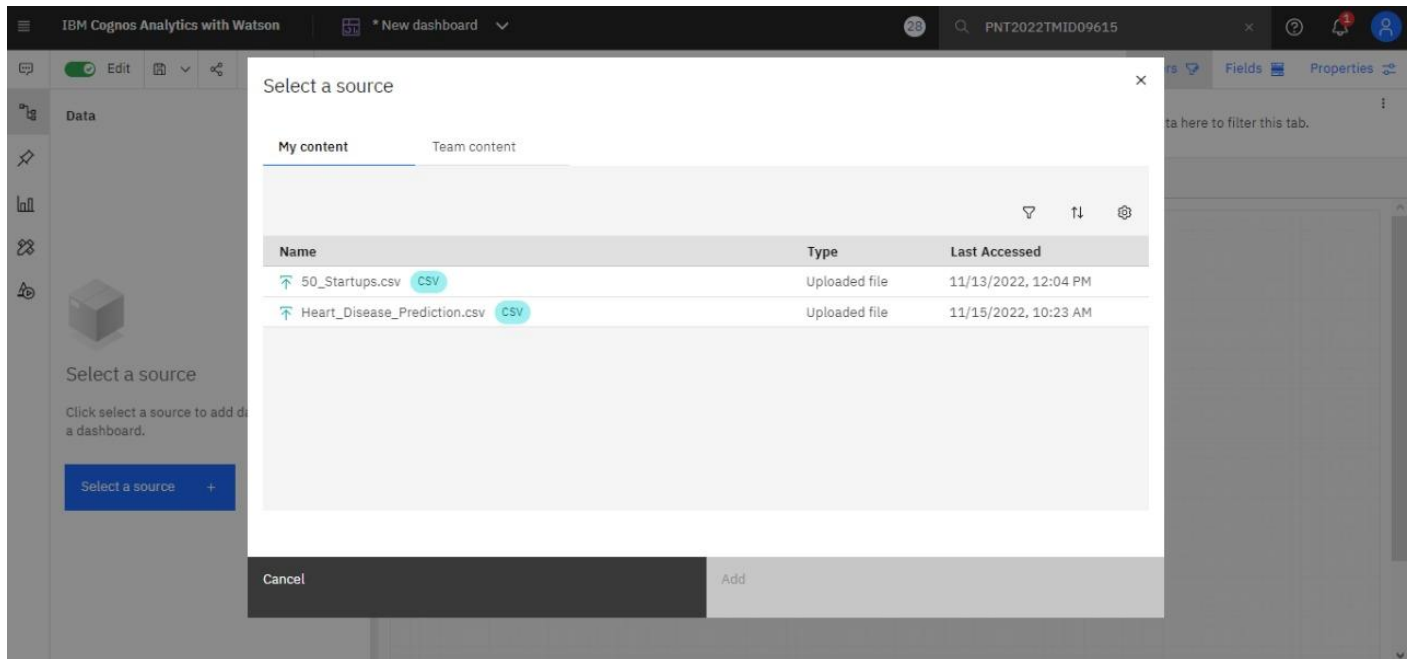


# Sprint 1

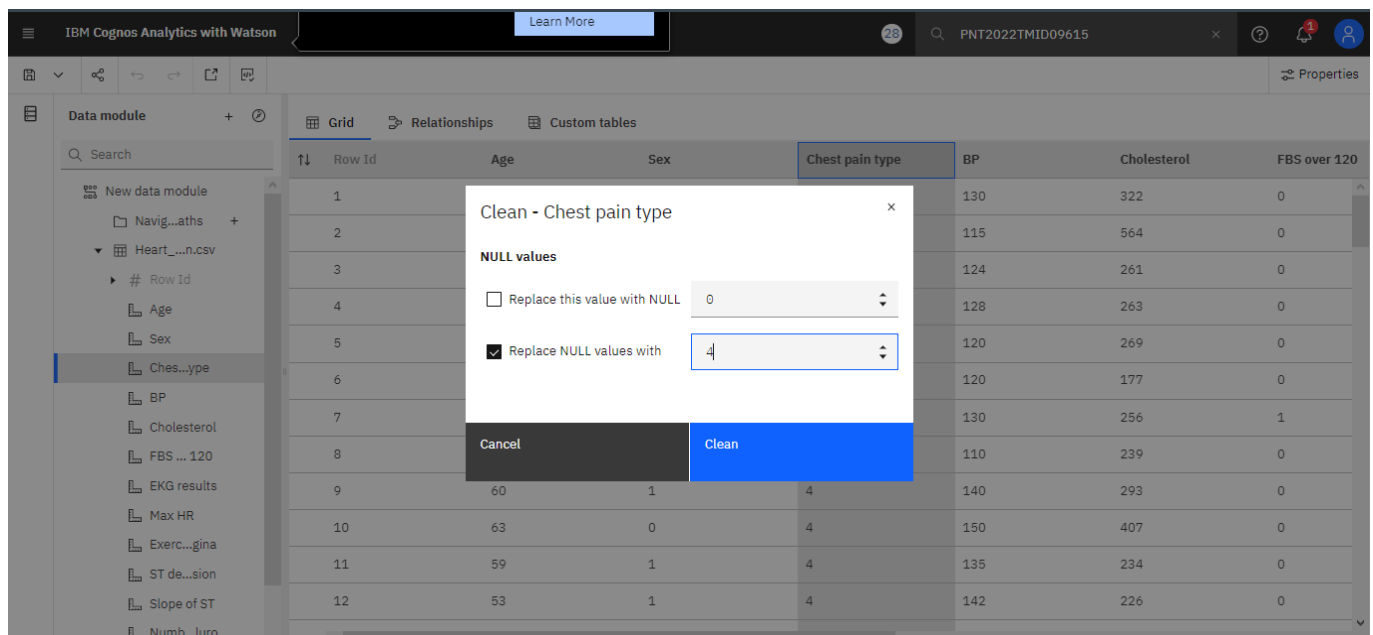
Date	15 November 2022
Team ID	PNT2022TMID09615
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dashboard

## Uploading Heart disease Prediction Dataset Using Cognos Analysis: USN-1:

- As a user, I can gather the details of the patients and store the data set.
- Uploading the dataset of heart\_disease\_prediction.csv file to IBM Cognos Analytic



## Data Cleaning and Data Processing using Cognos Analytics: USN-2:



IBM Cognos Analytics with Watson

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1

Grid

Relationships

Custom tables

Row Id	Age	Sex	Chest pain type	BP	Cholesterol	FBS over 120
1	70	1	4	130	322	0
2	67	0	3	115	564	0
3	57	1	2	124	261	0
4	64	1	4	128	263	0
5	74	0	2	120	269	0
6	65	1	4	120	177	0
7	56	1	3	130	256	1
8	59	1	4	110	239	0
9	60	1	4	140	293	0
10	63	0	4	150	407	0
11	59	1	4	135	234	0
12	53	1	4	142	226	0

New data module

Heart...n.csv

# Row Id

Age

Sex

Chest...ype

BP

Cholesterol

FBS ... 120

EKG results

Max HR

Exerc...gina

ST de...sion

Slope of ST

Numb...luro

IBM Cognos Analytics with Wa

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1

Grid

Relationships

Custom tables

S over 120	EKG results	Max HR	Exercise angina	ST depression	Slope of ST	Number of vessels fluro
2	2				2	3
2					2	0
0					1	0
0					2	1
2					1	1
0					1	0
2					2	1
2					2	1
2		170	0	1.2	2	2
2		154	0	4	2	3
0		161	0	0.5	2	0
2		111	1	0	1	0

Clean - Number of vessels fluro

NULL values

Replace this value with NULL

0

Replace NULL values with

0

Cancel

Clean

IBM Cognos Analytics with Watson

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Properties

Data module

Grid Relationships Custom tables

Search

He...v

# R...

Age

Sex

C...

BP

C...

F...

E...

...

E...

S...

S...

N...

T...

abc H...

↑↓	Max HR	Exercise angina	ST depression	Slope of ST	Number of vessels fluro	Thallium	Heart Disease
	109	0	2.4	2	3	3	Presence
	160	0	1.6	2	0	7	Absence
	141	0	0.3	1	0	7	Presence
	105	1	0.2	2	1	7	Absence
	121	1	0.2	1	1	3	Absence
	140	0	0.4	1	0	7	Absence
	142	1	0.6	2	1	6	Presence
	142	1	1.2	2	1	7	Presence
	170	0	1.2	2	2	7	Presence
	154	0	4	2	3	7	Presence
	161	0	0.5	2	0	7	Absence
	111	1	0	1	0	7	Absence

## Creating The Data Module using Cognos Analytics: USN-3:

IBM Cognos Analytics with Watson

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Properties

Data module

Grid Relationships Custom tables

Search

Heart\_Dise...ction.csv

# Row Id

Age

Sex

Chest pain type

BP

Cholesterol

FBS over 120

EKG results

Max HR

Exercise angina

ST depression

Slope of ST

Number of...ls fluro

Thallium

abc Heart Disease

↑↓	Exercise angina	ST depression	Slope of ST	Number of vessels fluro	Thallium	Heart Disease
	0	2.4	2	3	3	Presence
	0	1.6	2	0	7	Absence
	0	0.3	1	0	7	Presence
	1	0.2	2	1	7	Absence
	1	0.2	1	1	3	Absence
	0	0.4	1	0	7	Absence
	1	0.6	2	1	6	Presence
	1	1.2	2	1	7	Presence
	0	1.2	2	2	7	Presence
	0	4	2	3	7	Presence
	0	0.5	2	0	7	Absence
	1	0	1	0	7	Absence