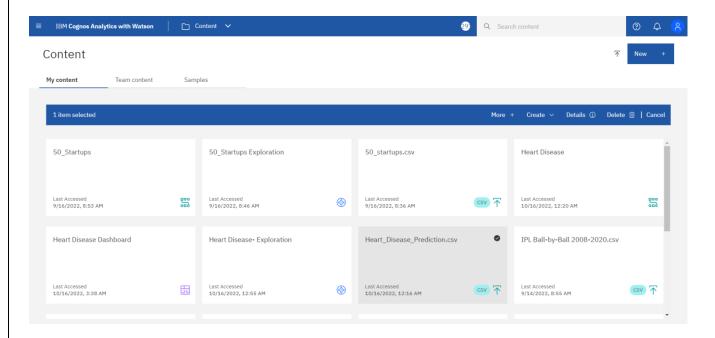# SPRINT 1

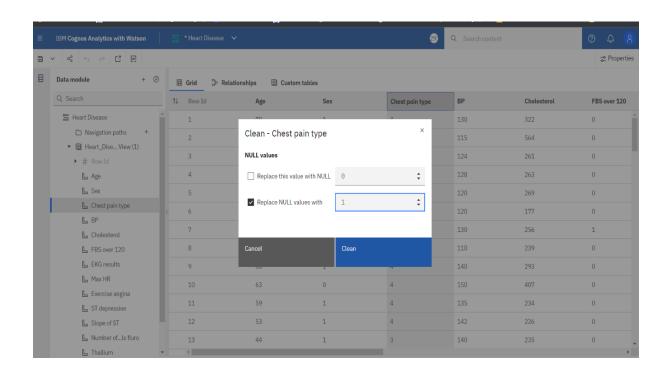| Date	18 November 2022
Team ID	PNT2022TMID54403
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dashboard

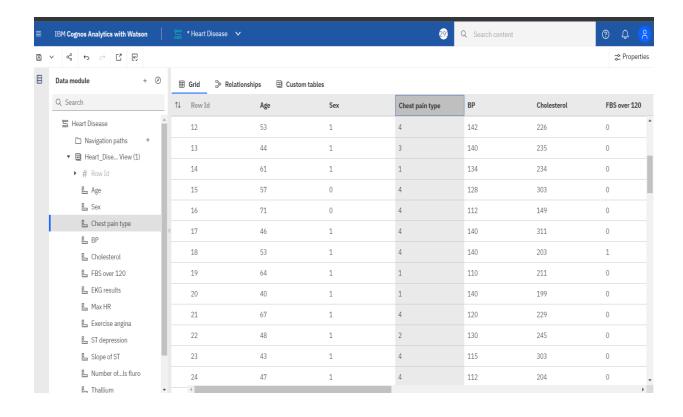**Uploading Heart disease Prediction Dataset Using Cognos Analysis: USN-1:**

- As a user, I can gather the details of the patients and store the data set.
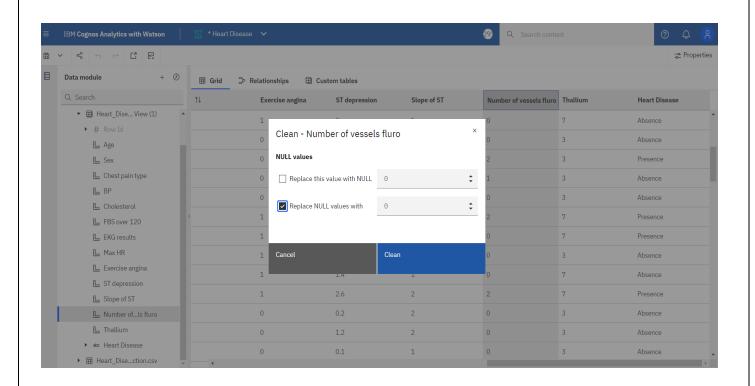- Uploading the dataset of heart_disease_prediction.csv file to IBM Cognos Analytic
-
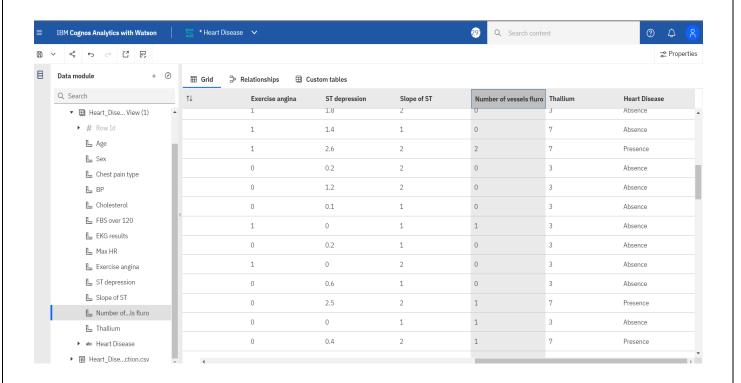
Data Cleaning and Data Processing using Cognos Analytics: USN-2:

First screenshot:

IBM Cognos Analytics with Watson — * Heart Disease

Properties

Data module

Search

- Heart_Dise... View (1)
  - # 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
  - Heart Disease
- Heart_Dise...ction.csv

Grid | Relationships | Custom tables

	Exercise angina	ST depression	Slope of ST	Number of vessels fluro	Thallium	Heart Disease
	1			0	7	Absence
	0			0	3	Absence
	0			2	3	Presence
	0			1	3	Absence
	0			0	3	Absence
	1			2	7	Presence
	1			0	7	Presence
	1			0	3	Absence
	1	1.4	1	0	7	Absence
	1	2.6	2	2	7	Presence
	0	0.2	2	0	3	Absence
	0	1.2	2	0	3	Absence
	0	0.1	1	0	3	Absence

Clean - Number of vessels fluro ✕

NULL values

☐ Replace this value with NULL [0 ⇕]

☑ Replace NULL values with [0 ⇕]

Cancel | Clean

Second screenshot:

IBM Cognos Analytics with Watson — * Heart Disease

Properties

Data module

Search

- Heart_Dise... View (1)
  - # 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
  - Heart Disease
- Heart_Dise...ction.csv

Grid | Relationships | Custom tables

	Exercise angina	ST depression	Slope of ST	Number of vessels fluro	Thallium	Heart Disease
	1	1.8	2	0	3	Absence
	1	1.4	1	0	7	Absence
	1	2.6	2	2	7	Presence
	0	0.2	2	0	3	Absence
	0	1.2	2	0	3	Absence
	0	0.1	1	0	3	Absence
	1	0	1	1	3	Absence
	0	0.2	1	0	3	Absence
	1	0	2	0	3	Absence
	0	0.6	1	0	3	Absence
	0	2.5	2	1	7	Presence
	0	0	1	1	3	Absence
	0	0.4	2	1	7	Presence

Creating The Data Module using Cognos Analytics: <u>USN-3:</u>