

# Project Development Phase

## Delivery of Sprint2

Date	16 November 2022
Team ID	PNT2022TMID17411
Project Name	Visualizing and Predicting Heart Diseases With an Interactive Dashboard

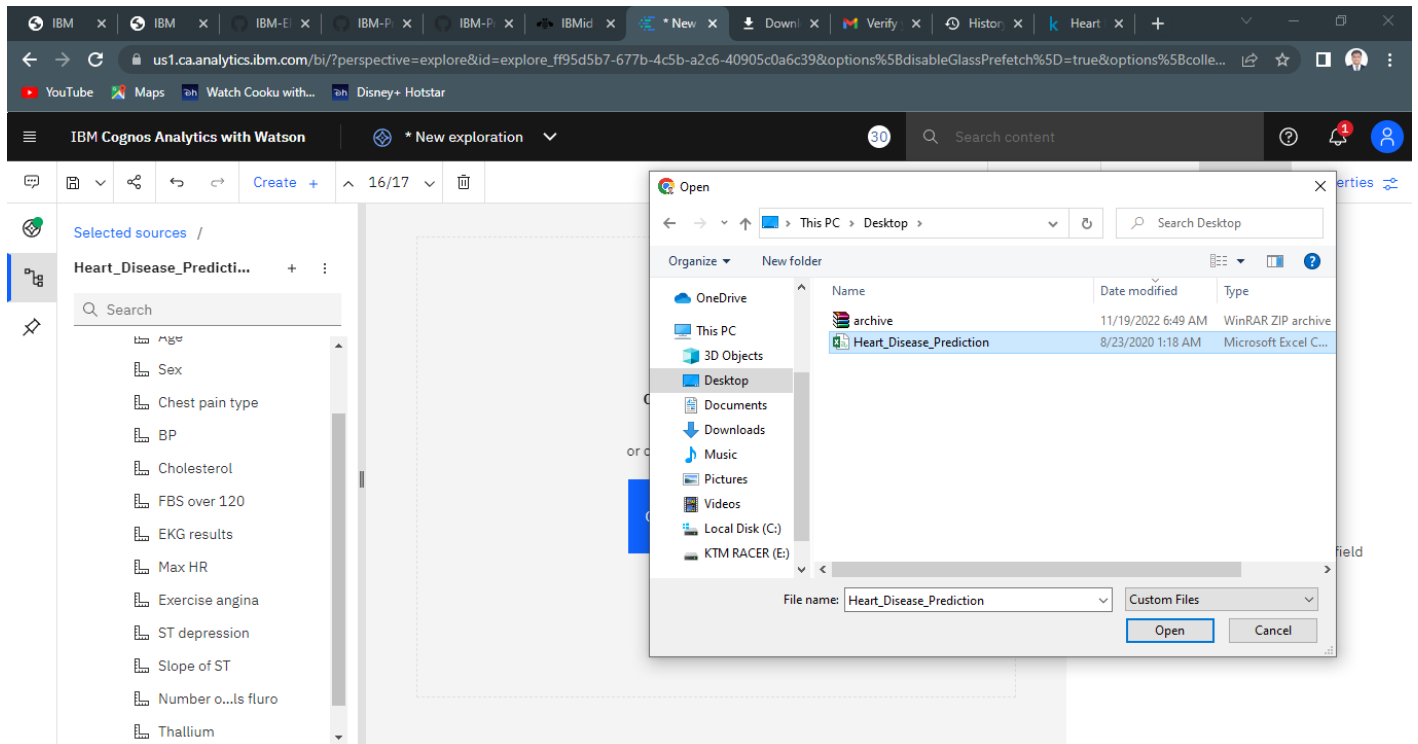
## DATA PREPARATION PHASE:

Once the Dataset is uploaded into the IBM Cognos dashboard, we need to prepare the dataset. The data preparation includes cleaning up the data, removing the null values, removing the duplicate values, structuring the data so that the data is well understood for exploration and analysis.

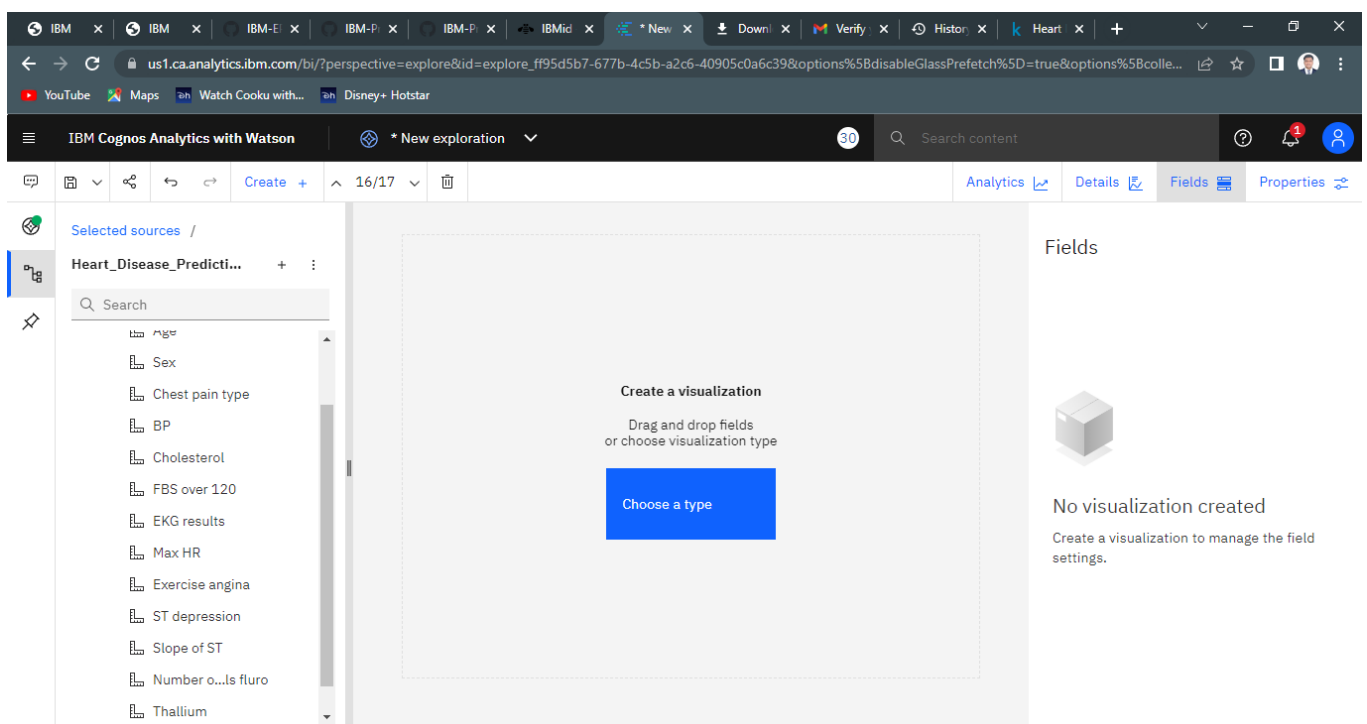
## IBM Cognos Dashboard:

The screenshot displays the IBM Cognos Analytics with Watson dashboard. The top navigation bar includes the IBM Cognos Analytics with Watson logo, a search bar, and user profile information. The main content area features a welcome message and two primary action buttons: "Watch video" and "Take a product tour". A sidebar on the right contains a user profile for Aravind M (c33b6c6b48...) and a list of settings and subscriptions. At the bottom, a "Quick launch" section provides four main action buttons: "Upload data", "Prepare data", "Exploration", and "Present data".

## Select the uploaded dataset from the menu:



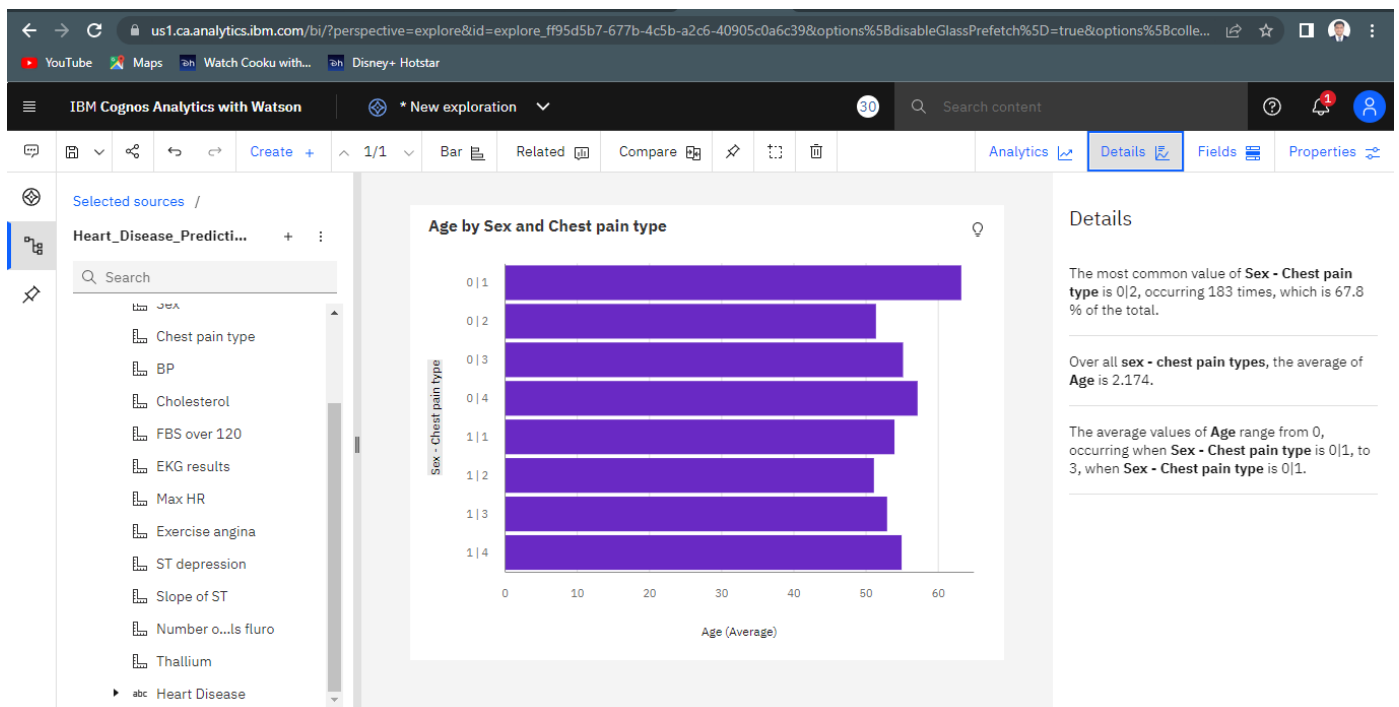
## Exploring the Data modules:



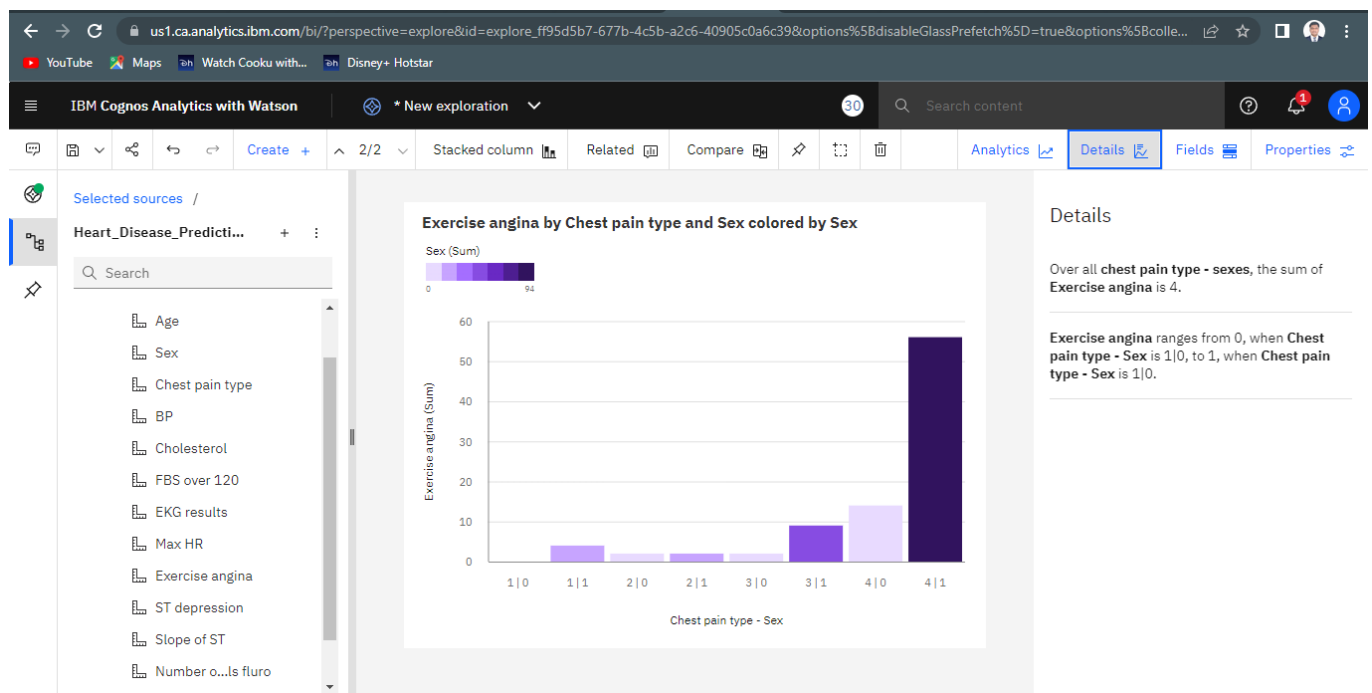
# Data Exploration:

- ✓ Average Age for different Chest Pain Types
- ✓ Average Exercise Angina during Chest Pain
- ✓ BP Variation with respect to Age
- ✓ Effect of Existing Heart disease on Average of Exercise Angina
- ✓ Average Age for different types of Chest pain in Existing Heart diseases
- ✓ Serum Cholesterol Levels vs Age
- ✓ Maximum Heart Rate in Existing Heart disease by Exercise Angina
- ✓ Dashboard showing Different types of Visuals

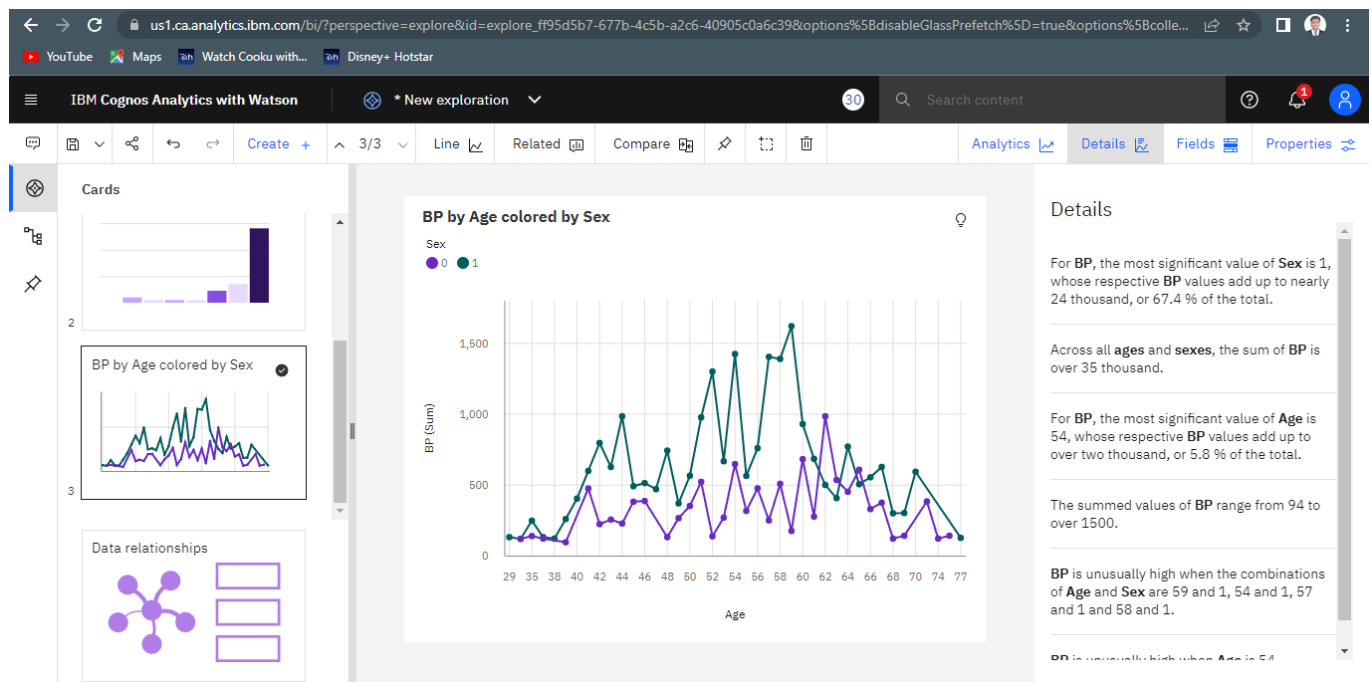
## Average Age for different Chest Pain Types:



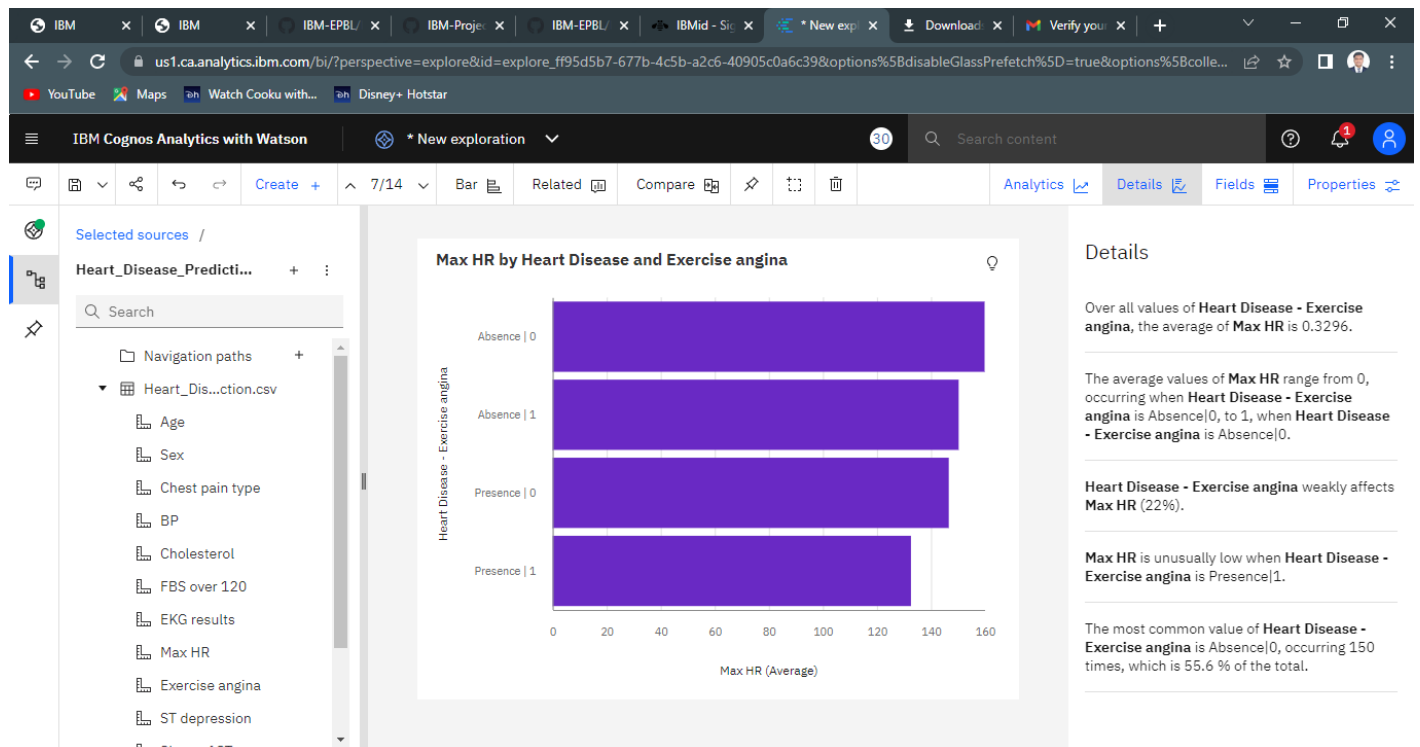
# Average Exercise Angina during Chest Pain:



# BP Variation with respect to Age:



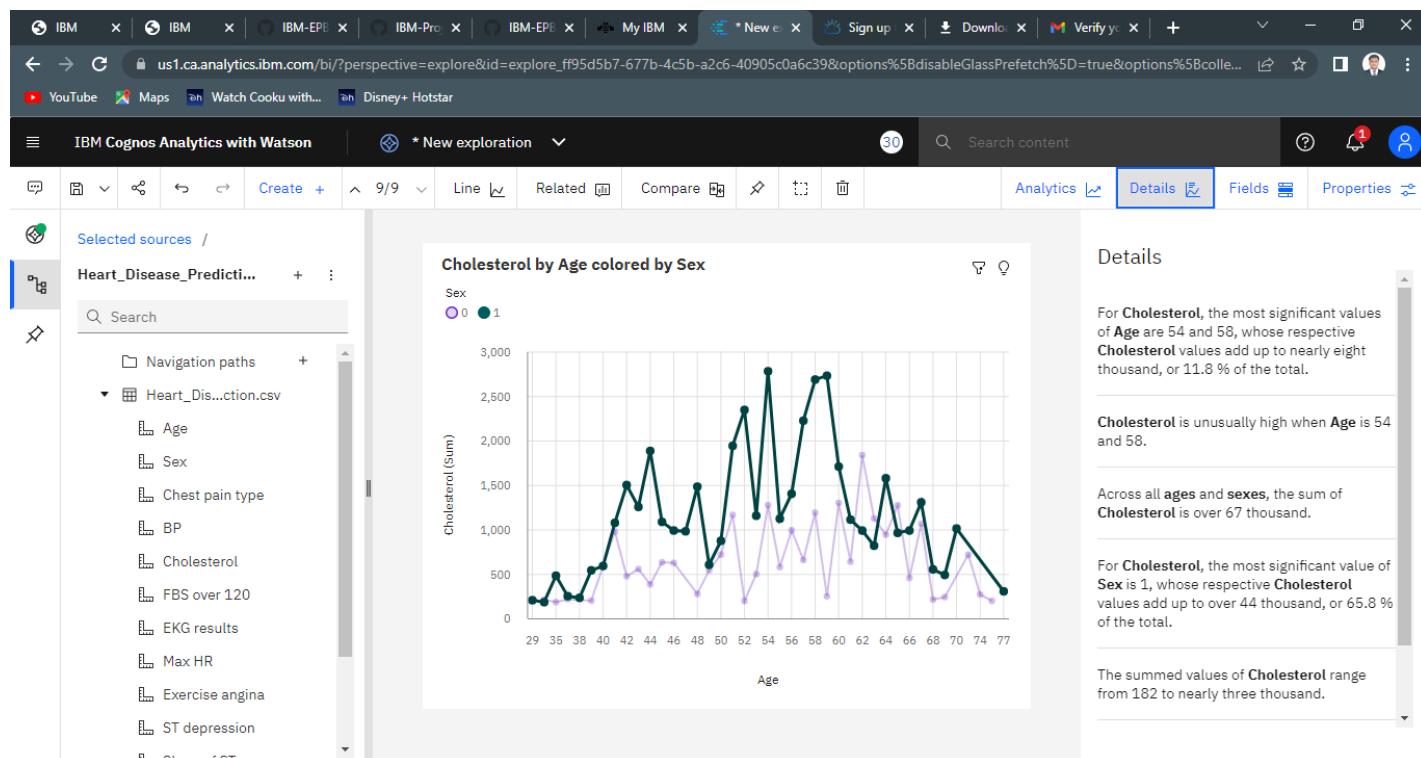
# Effect of Existing Heart disease on Average of Exercise Angina:



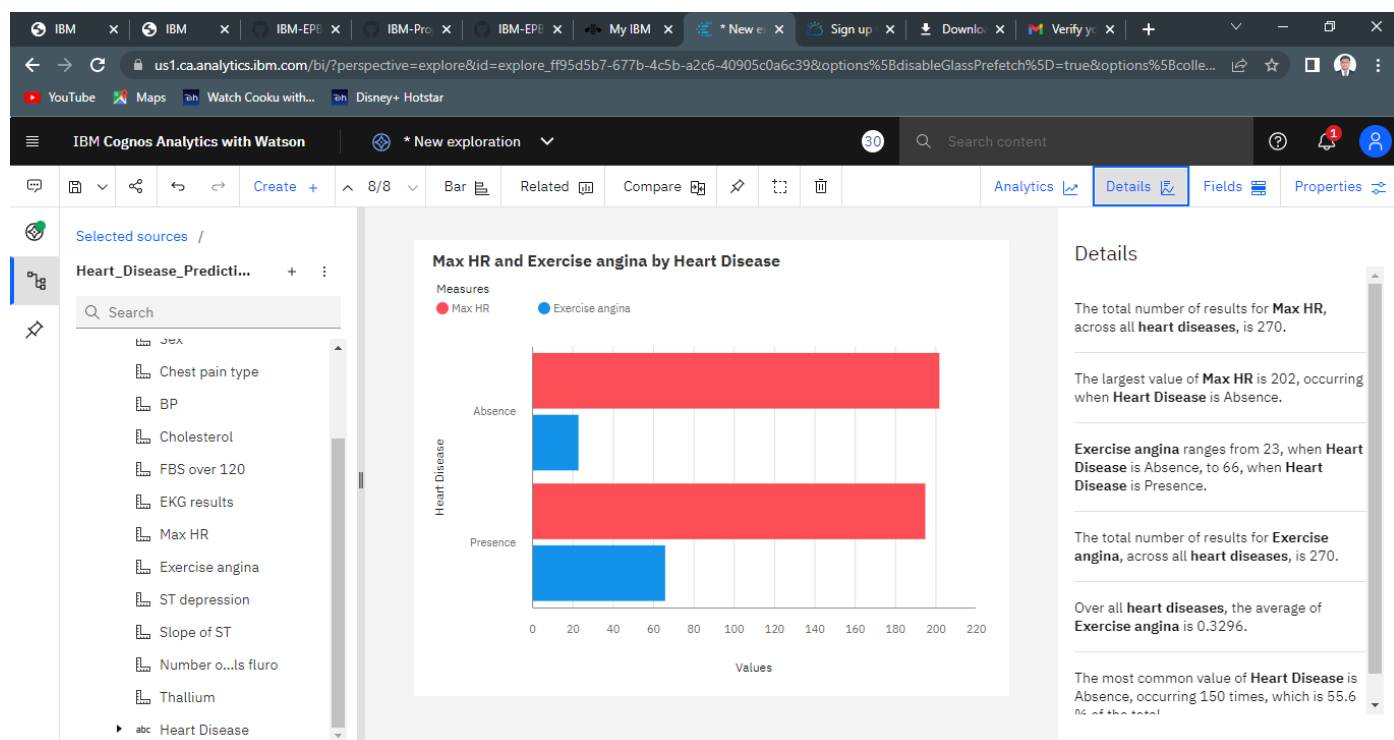
# Average Age for different types of Chest pain in Existing Heart diseases:

Heart Disease for Chest Pain Type and Sex					
Heart Disease	1	2	3	4	Summary
0	4	16	32	35	87
1	16	26	47	94	183
Summary	20	42	79	129	270

# Serum Cholesterol Levels vs Age:



# Maximum Heart Rate in Existing Heart disease by Exercise Angina:



# Dashboard showing Different types of Visuals:

