Project Development Phase

Delivery of Sprint2

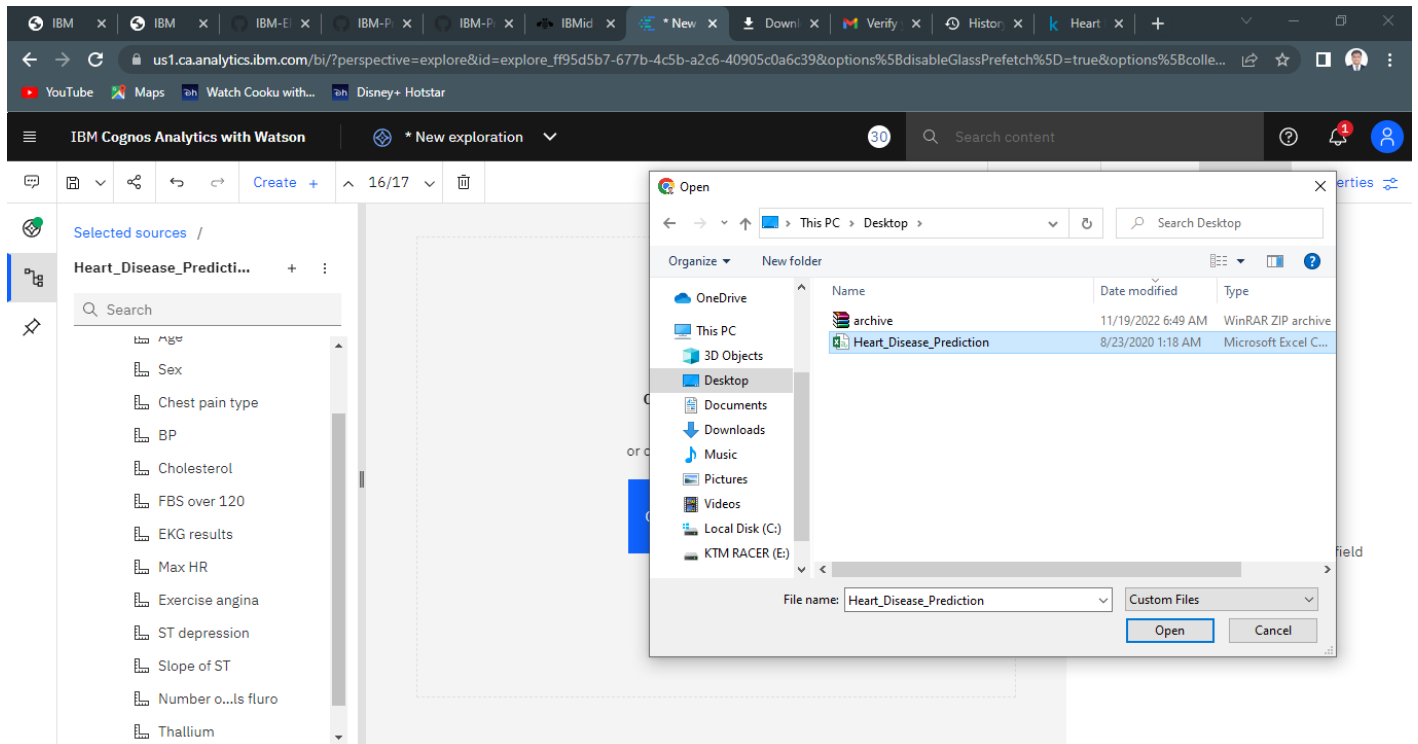| Date	16 November 2022
Team ID	PNT2022TMID17411
Project Name	Visualizing and Predicting Heart Diseases With an Interactive Dashboard

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.
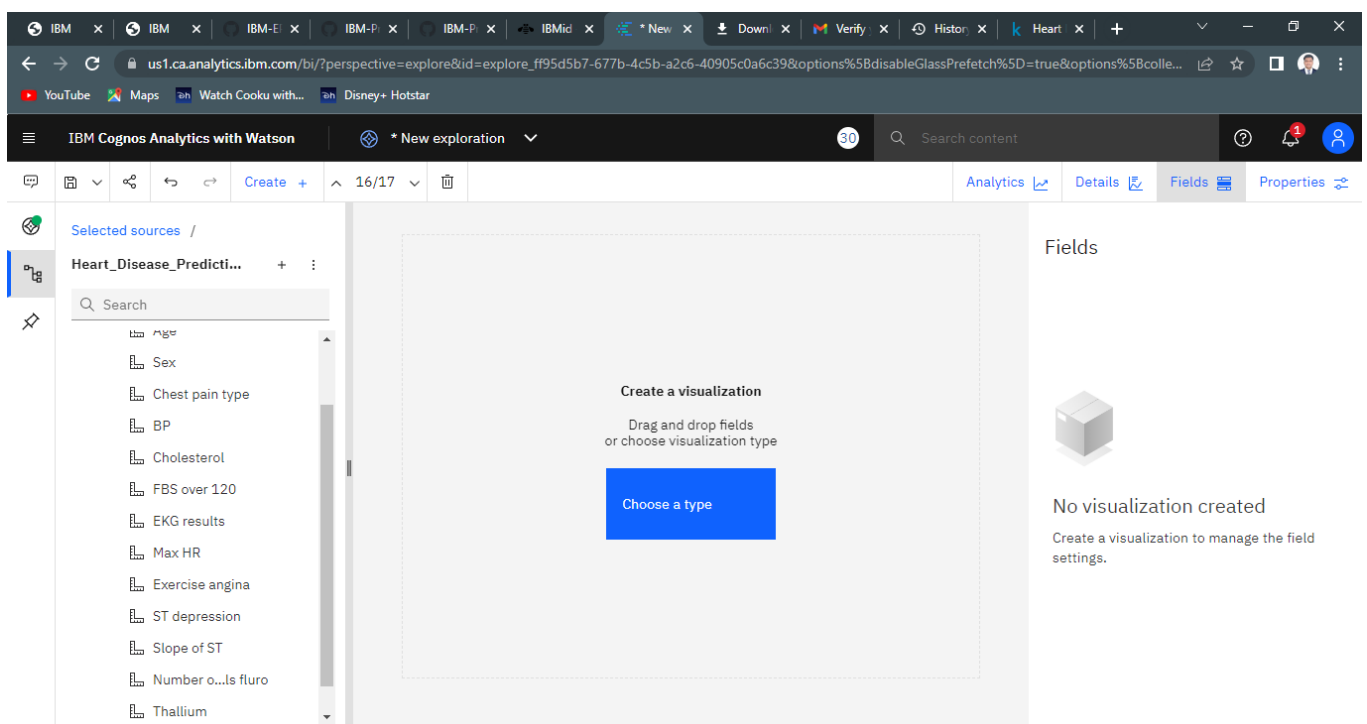
IBM Cognos Dashboard:
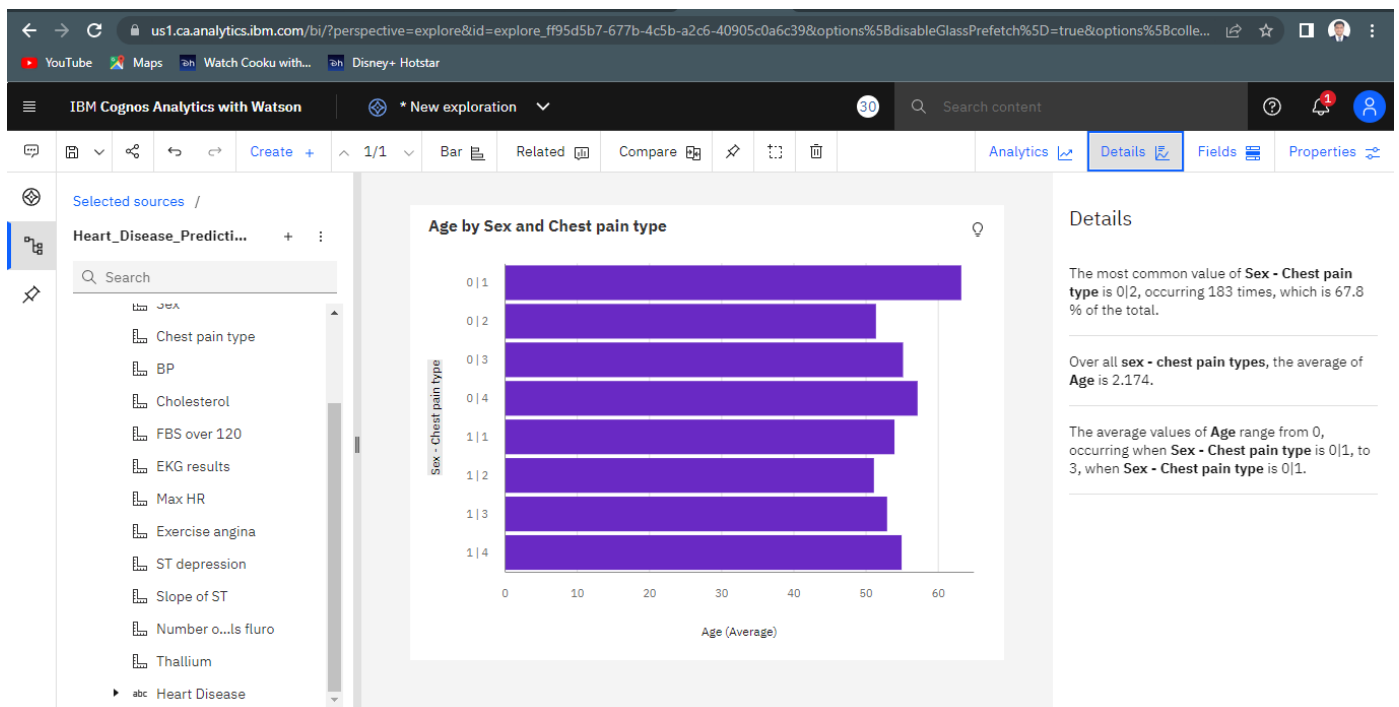
Select the uploaded dataset from the menu:
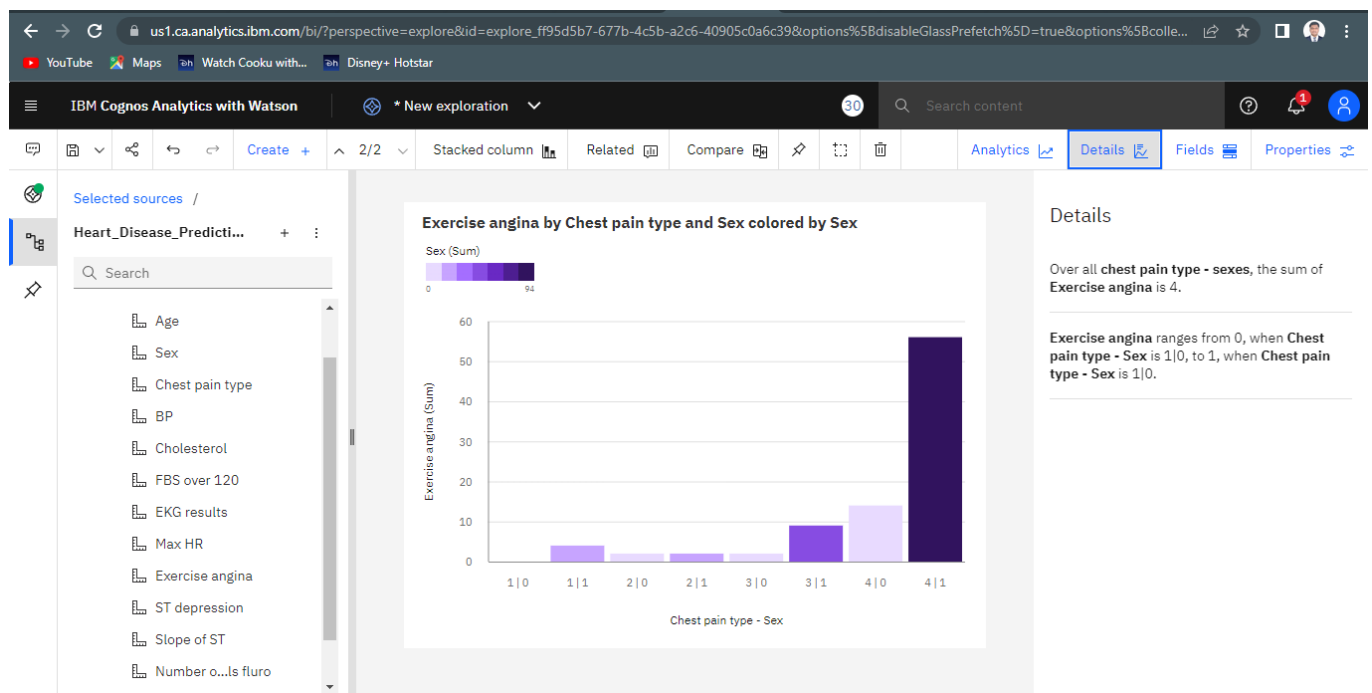

Exploring the Data modules:

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

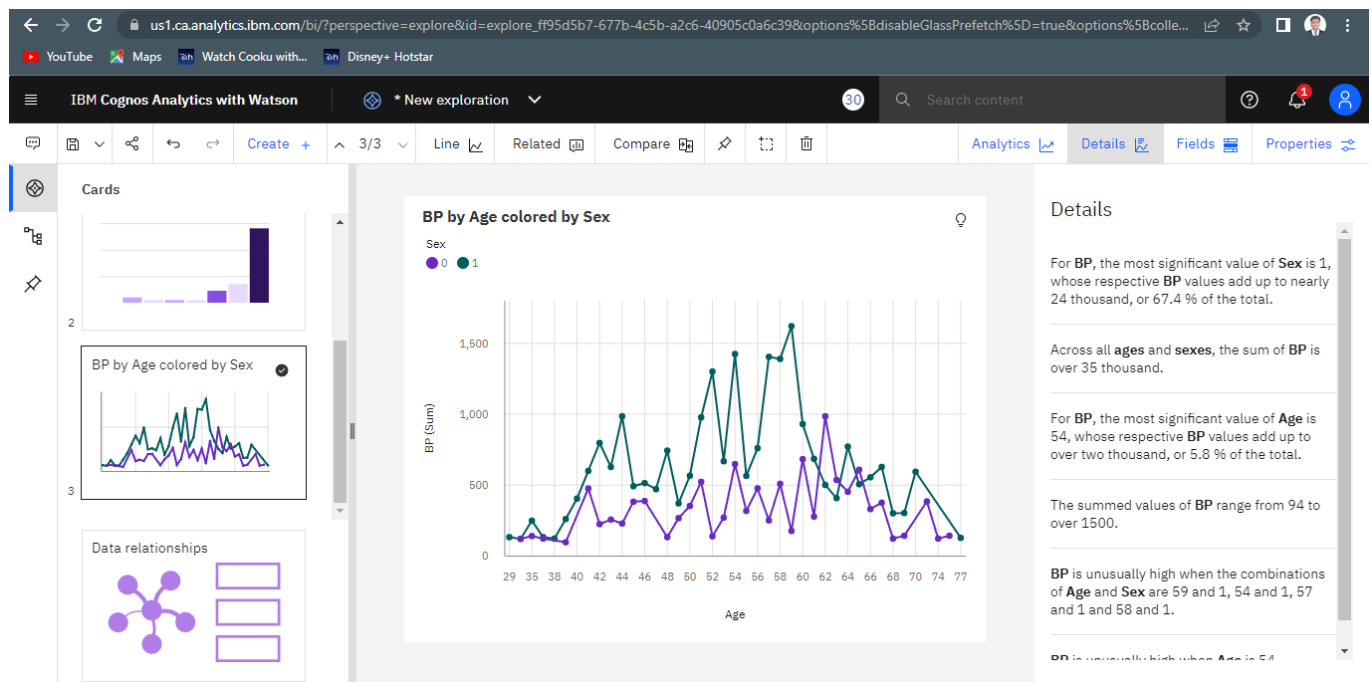- ✓ Dashboard showing Different types of Visuals

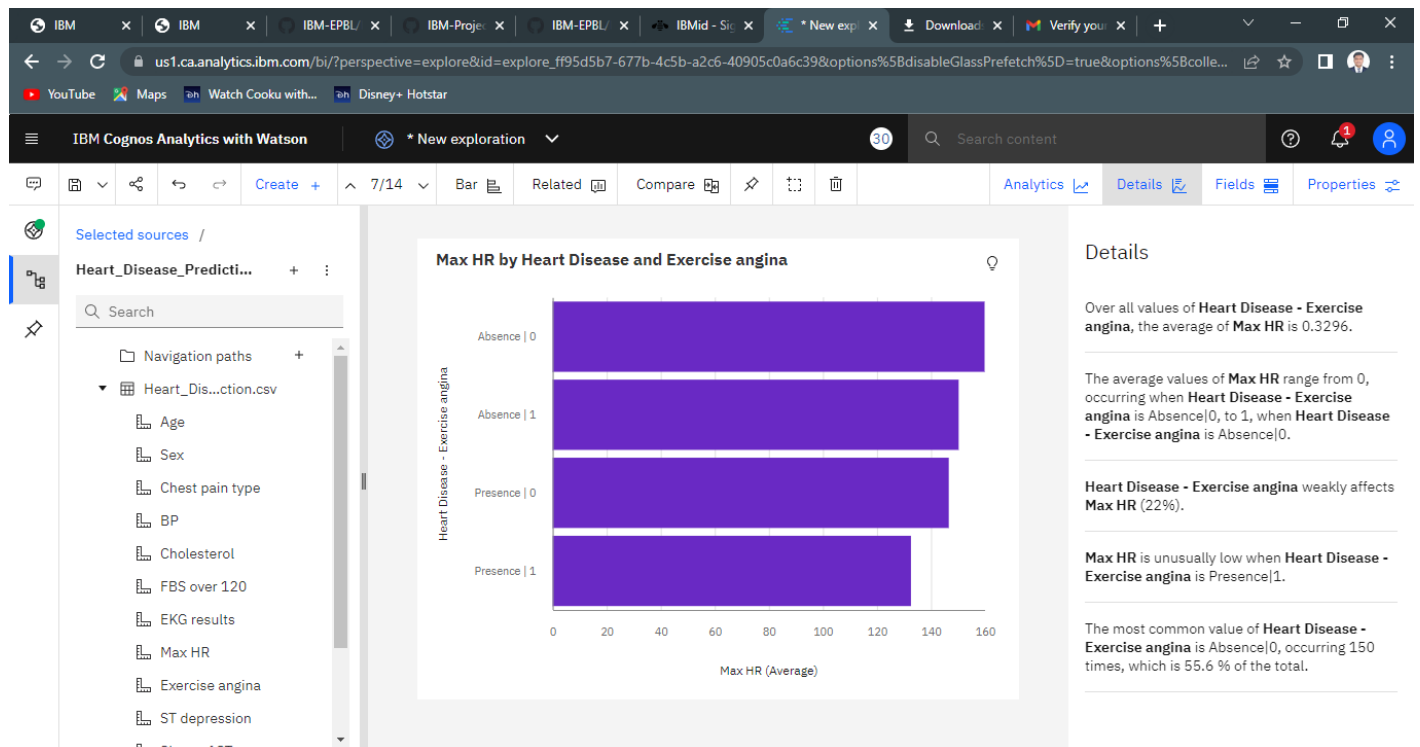# Average Age for different Chest Pain Types:

Average Exercise Angina during Chest Pain:
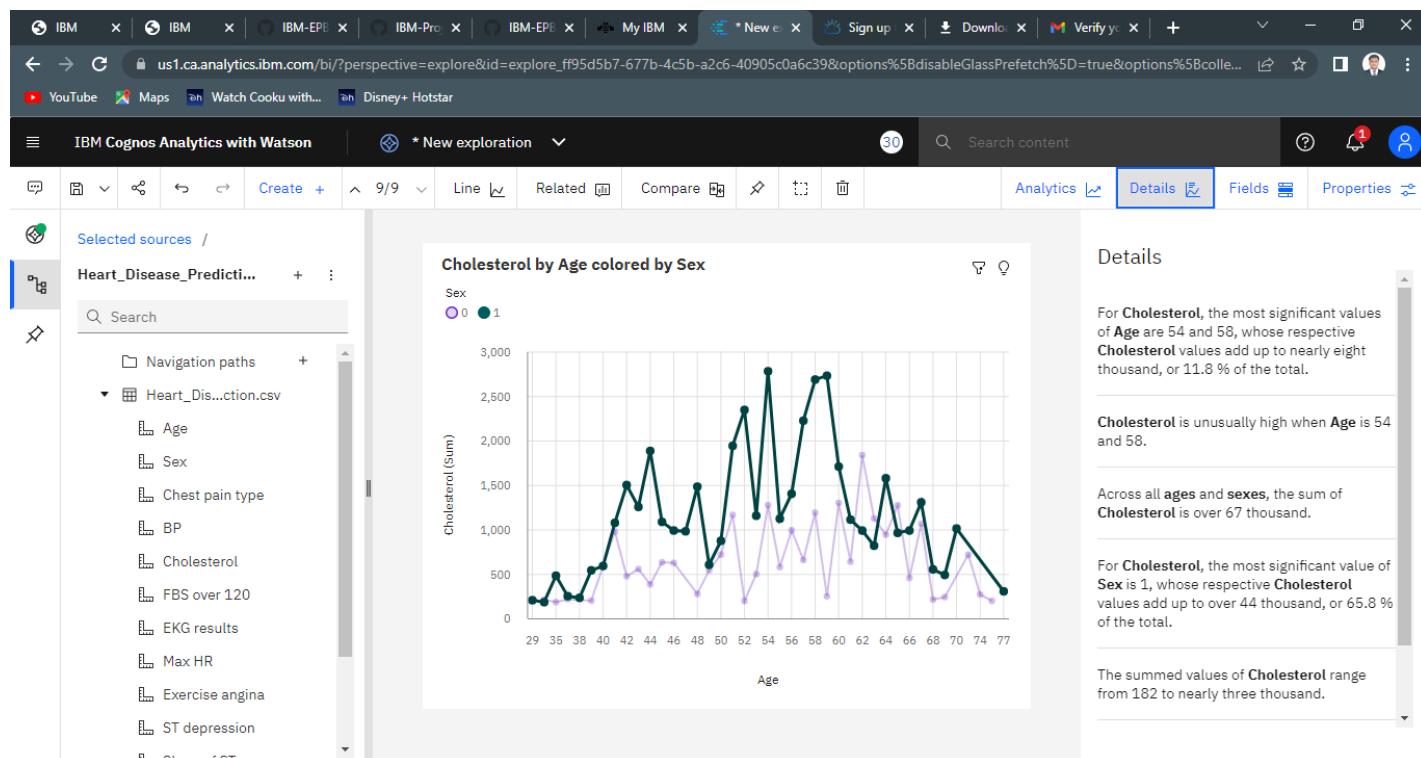

BP Variation with respect to Age:

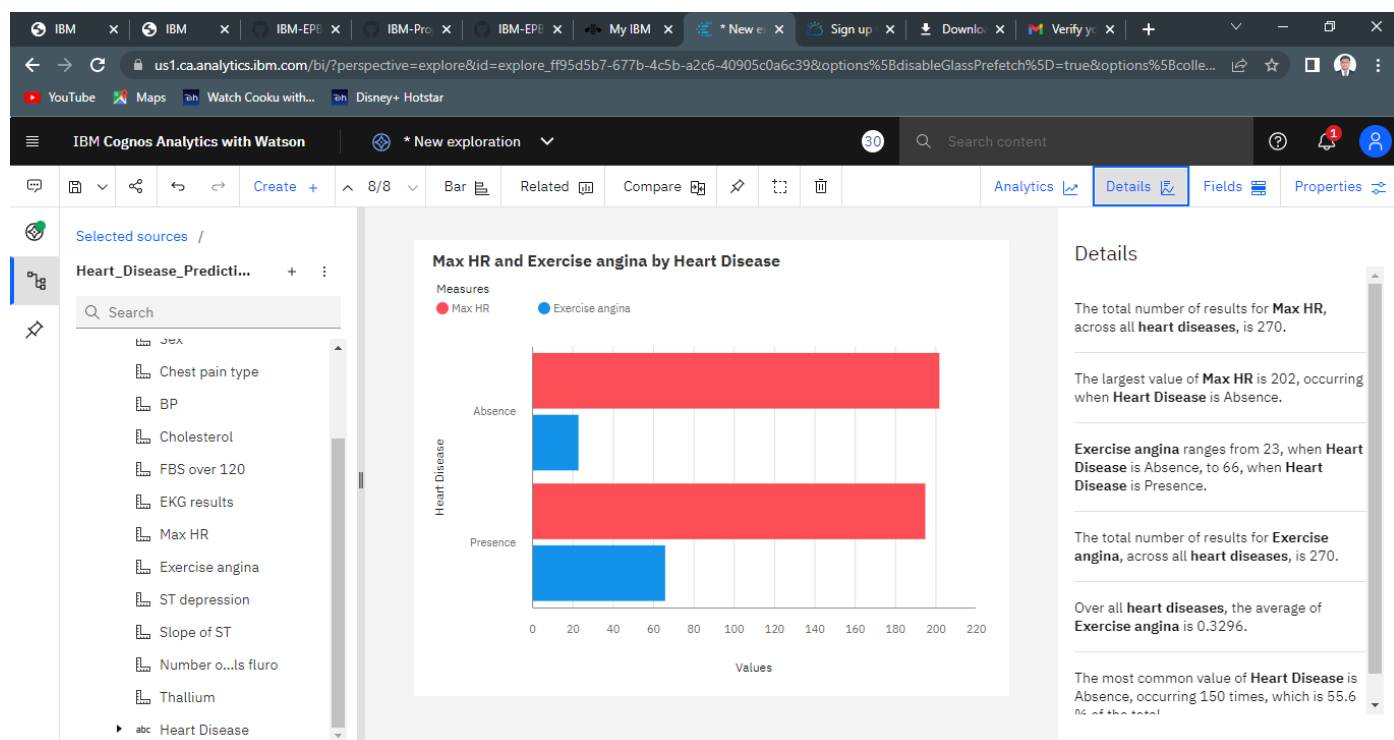# Effect of Existing Heart disease on Average of Exercise Angina:

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: