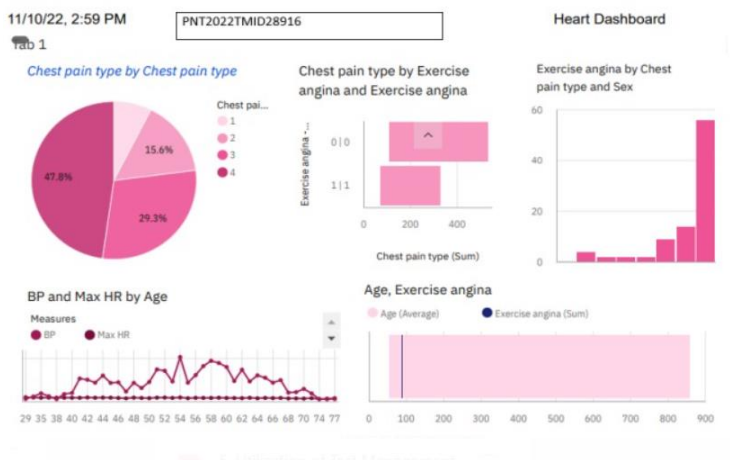


Project Development Phase
Model Performance Test

| | |
|---------------|--|
| Date | 08 November 2022 |
| Team ID | PNT2022TMID28916 |
| Project Name | Project - Visualizing and Predicting Heart Diseases with an Interactive Dash Board |
| Maximum Marks | 10 Marks |

Model Performance Testing:

The project team shall fill in the following information in the model performance testing template.

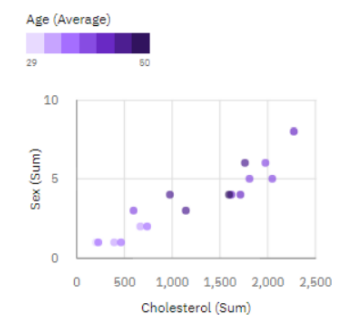
| S.No. | Parameter | Screenshot / Values |
|-------|------------------|--|
| 1. | Dashboard design | <p>No of Visualizations / Graphs –</p> <p>The dashboard is a visual representation of the most relevant information required to achieve one or more goals, condensed and presented on a single screen so that the information can be watched at a glance</p>  <p>The screenshot displays a 'Heart Dashboard' with the following components:</p> <ul style="list-style-type: none"> Top Bar: Shows the date and time '11/10/22, 2:59 PM' and a user ID 'PNT2022TMID28916'. Left Section: A pie chart titled 'Chest pain type by Chest pain type' showing four categories: 47.8%, 15.6%, 29.3%, and an unlabeled category. Top Right Section: A bar chart titled 'Chest pain type by Exercise angina and Exercise angina' showing two bars with values 0 and 1. Bottom Left Section: A line chart titled 'BP and Max HR by Age' showing two data series: BP (blue line) and Max HR (red line) across an age range from 29 to 77. Bottom Right Section: A bar chart titled 'Age, Exercise angina' showing two data series: Age (Average) in blue and Exercise angina (Sum) in red, with values ranging from 0 to 900. |

2. Data Responsiveness

| | | | | | | | | | | | | | | Expand all groups | | Collapse all groups | |
|--------------|------------|------|------|--------|---------|--------------------|------------|------------|------------|------------|-------|--------|-----------|-------------------|--|---------------------|--|
| Requests + | Executions | | | | | Response Time (ms) | | | | | | | | | | | |
| | Total # | OK # | KO # | % KO # | Cnt/s # | Min # | 50th pct # | 75th pct # | 95th pct # | 99th pct # | Max # | Mean # | Std Dev # | | | | |
| All Requests | 6 | 6 | 0 | 0% | 6 | 118 | 169 | 175 | 338 | 381 | 392 | 196 | 90 | | | | |
| request_0 | 1 | 1 | 0 | 0% | 1 | 118 | 118 | 118 | 118 | 118 | 118 | 118 | 0 | | | | |
| request_2 | 1 | 1 | 0 | 0% | 1 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 0 | | | | |
| request_1 | 1 | 1 | 0 | 0% | 1 | 392 | 392 | 392 | 392 | 392 | 392 | 392 | 0 | | | | |
| request_3 | 1 | 1 | 0 | 0% | 1 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 0 | | | | |
| request_4 | 1 | 1 | 0 | 0% | 1 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 0 | | | | |
| request_5 | 1 | 1 | 0 | 0% | 1 | 166 | 166 | 166 | 166 | 166 | 166 | 166 | 0 | | | | |

Data Responsiveness:

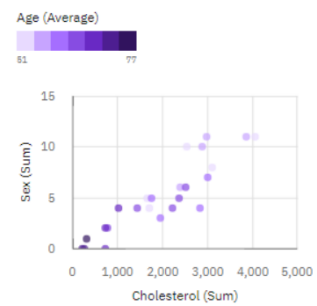
Cholesterol by Sex with points for Age



The above data is to determine cholesterol based on gender and ages between 27 to 50.

PNT2022TMID28916

Cholesterol by Sex with points for Age



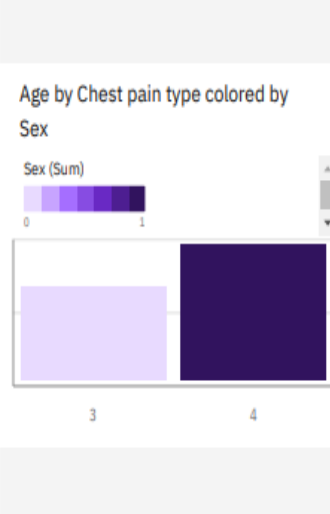
The above data is to determine cholesterol based on gender and ages between 50 to 77.

3. Amount Data to Rendered (DB2 Metrics)

11/11/22, 10:18 PM

New dashboard

Tab 1



FBS over 120 by Thallium colored by Age

Age (Average)

60.25 62.25



11/11/22, 10:18 PM

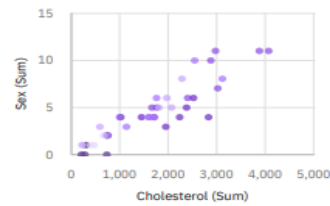
New dashboard

Tab 2

Cholesterol by Sex with points for Age

Age (Average)

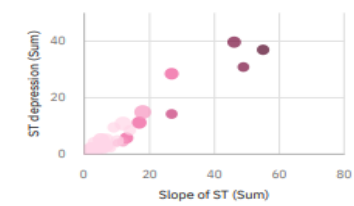
29 77



Slope of ST and ST depression with Age and Sex for BP

Age (Average) Sex (Sum)

42 70 0 24



11/11/22, 10:30 PM

* New dashboard

Tab 3

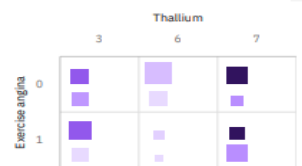
Exercise angina and Thallium with Age and Number of vessels fluro for FBS over 120

Age (Average)

56 63

Number of vessel...

1 35



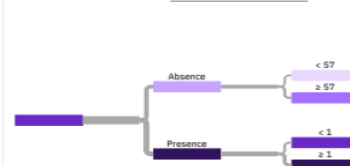
Chest pain type

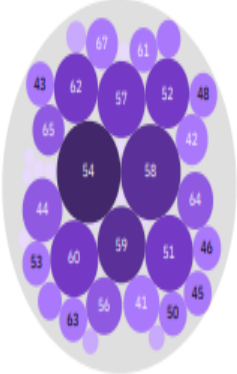
Chest pain type

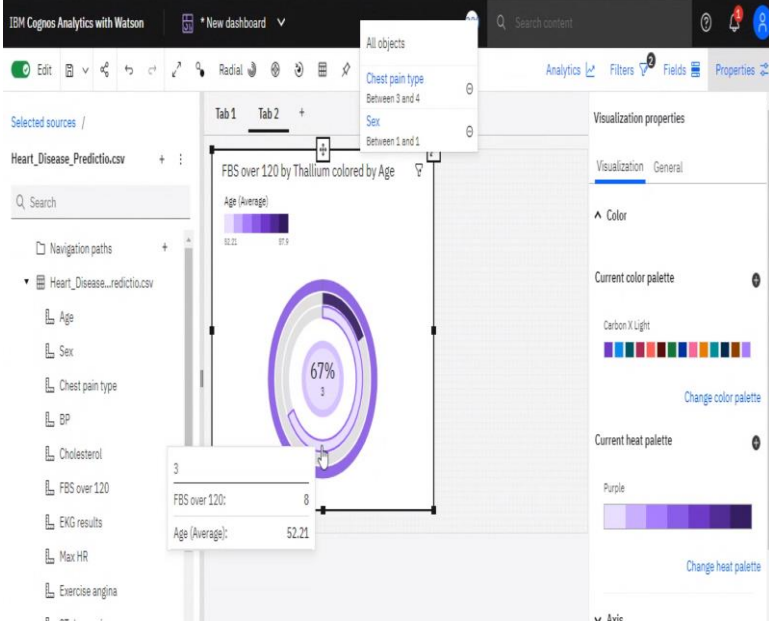
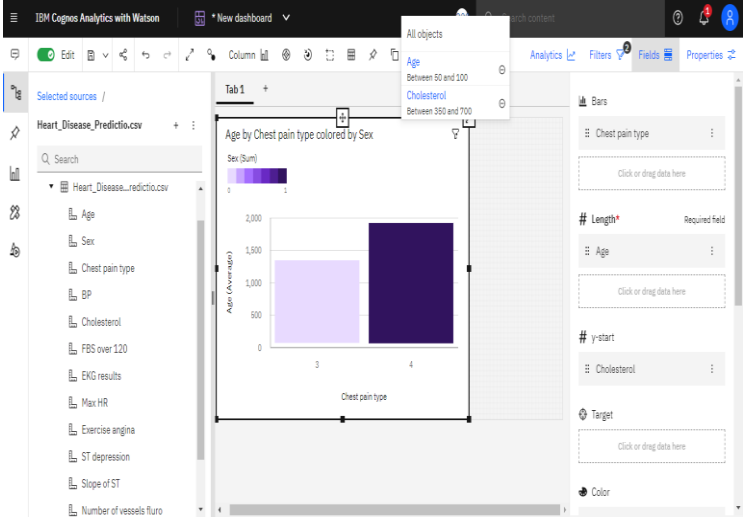
3.26 3.93

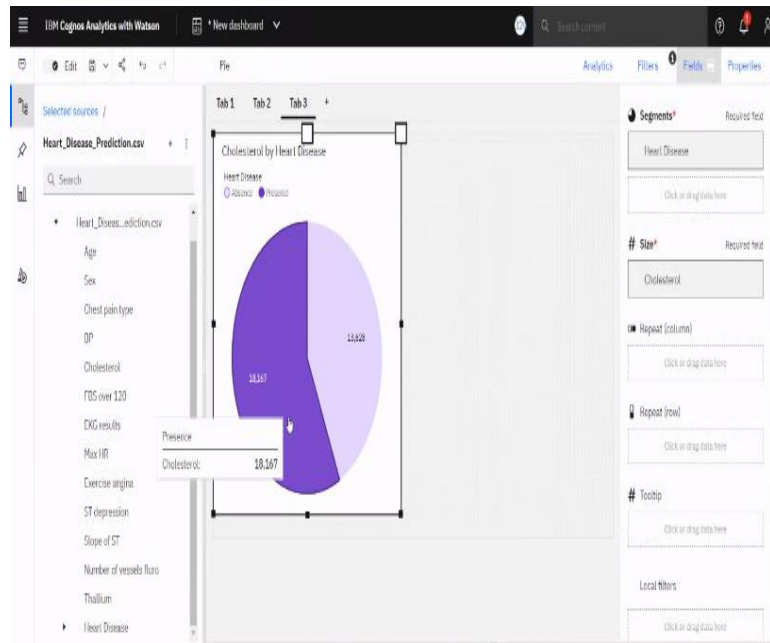
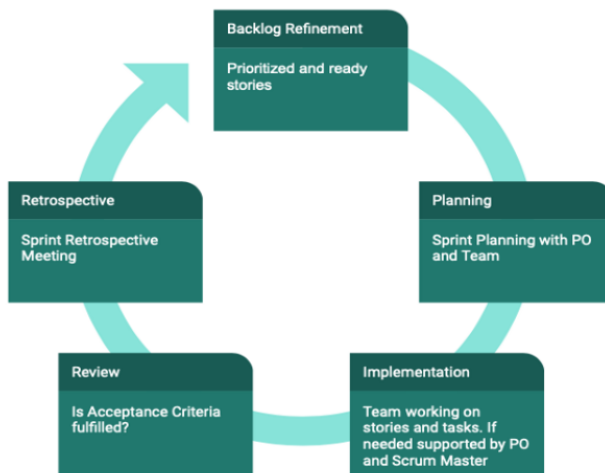
Nodes

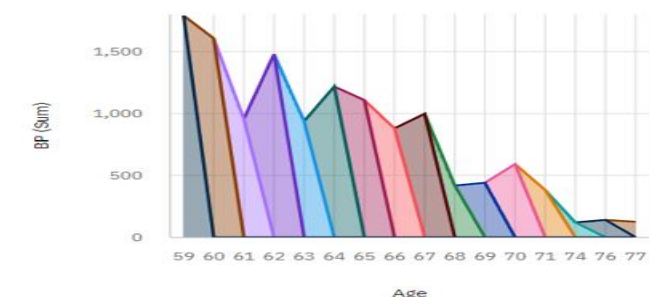
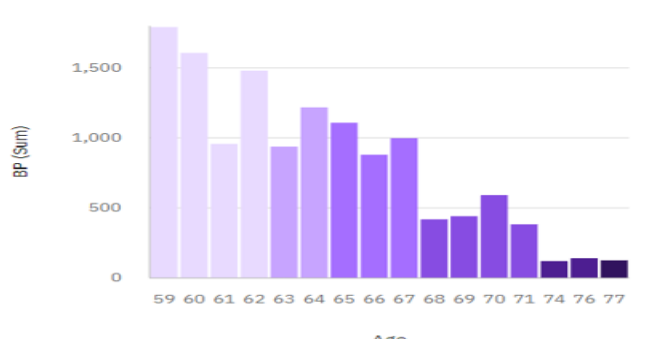
Top 5



| | | |
|--|--|---|
| | | <div>11/11/22, 10:18 PM</div> <div>New dashboard</div> <div>Tab 4</div> <div>Age hierarchy colored by BP and sized by Chest pain type</div> <div><div>Chest pain type (C...</div><div>BP (Sum)</div><div><div>1161202,066</div></div></div> <div></div> <div>Age by BP and Cholesterol</div> <div><div>BP - Cholesterol</div><div><div>94 199</div><div>108 243</div><div>110 254</div><div>118 182</div><div>120 226</div><div>120 295</div><div>125 245</div><div>128 259</div><div>130 250</div><div>132 184</div><div>136 196</div><div>140 197</div><div>140 298</div><div>145 282</div><div>150 270</div><div>160 269</div><div>192 283</div></div><div><div>020406080</div></div><div>Age (Average)</div></div> |
|--|--|---|

| | | |
|----|----------------------|---|
| | |   |
| 5. | Effective User Story | <p>No of Scene Added - As an aging individual, I want an application so that I could predict my own cardiac health. Let's break this down one step further; As the user is an aging individual, we are building a heart disease-predicting application that enables the user to predict their cardiac health immediately within a few seconds. The app has the user log in and signup for the authentication of information, and it uses the Logistic Regression algorithm to predict the result. We have visualized the user's query for their requirement only with respect to the Age and Cholesterol of the user. The prediction gives a result if the disease could be present or not.</p> |



| | | |
|----|---------------------|---|
| 6. | Descriptive Reports | <div>No of Visualizations / Graphs –</div> <div><p>BP by Age colored by Age</p><p>Age</p><p>59 60 61 62 63 64 65 66 67 68 69 70 71 74 76 77</p><p>BP (Sum)</p><p>Age</p></div> <div><p>BP by Age colored by Age</p><p>Age (Average)</p><p>59 77</p><p>BP (Sum)</p><p>Age</p></div> |
|----|---------------------|---|