

SPRINT-4 Fully Functional Website and Dashboard Linked Together


1.Home page:

Visualizing and Predicting Heart Diseases with an Interactive Dash Board

HomeLoginRegisterPredictionVisualisations

About Project

This is a student project which attempts to predict the probability of either a heart disease being present or absent based on health details of the user (blood pressure, heart rate, cholesterol levels, thallium levels etc). The project attempts to make heart disease prediction more accessible and affordable to people hailing from a variety of backgrounds.




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2.Registration Page:

Visualizing and Predicting Heart Diseases with an Interactive Dash Board

HomeLoginRegisterPredictionVisualisationsLogout



login


already have an account? [sign in](#)

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3.Login Page:

Visualizing and Predicting Heart Diseases with an Interactive Dash Board

HomeLoginRegisterPredictionVisualisations



login

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4. Prediction Page:

Visualizing and Predicting Heart Diseases with an Interactive Dash Board

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Heart Disease Test Form

Age

Sex

-- Select an Option --

Chest Pain Type

-- Select an Option --

Resting Blood Pressure in mm Hg

Serum Cholestorl in mg/dl

Fasting Blood Sugar > 120 mg/dl

-- Select an Option --

Resting ECG Results

-- Select an Option --

Maximum Heart Rate

Exercise Induced Angina

-- Select an Option --

ST Depression Induced

Slope of the Peak Exercise ST Segment

-- Select an Option --

Number of Vessels Colored by Flourosopy

-- Select an Option --

Thalassemia

-- Select an Option --

Result

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5. Prediction Page after user data entry:

Visualizing and Predicting Heart Diseases with an Interactive Dash Board

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Heart Disease Test Form

Age

40

Sex

Male

Chest Pain Type

Atypical Angina

Resting Blood Pressure in mm Hg

120

Serum Cholestorl in mg/dl

200

Fasting Blood Sugar > 120 mg/dl

True

Resting ECG Results

Normal

Maximum Heart Rate

150

Exercise Induced Angina

No

ST Depression Induced

0.3

Slope of the Peak Exercise ST Segment

Flat

Number of Vessels Colored by Flourosopy

1

Thalassemia

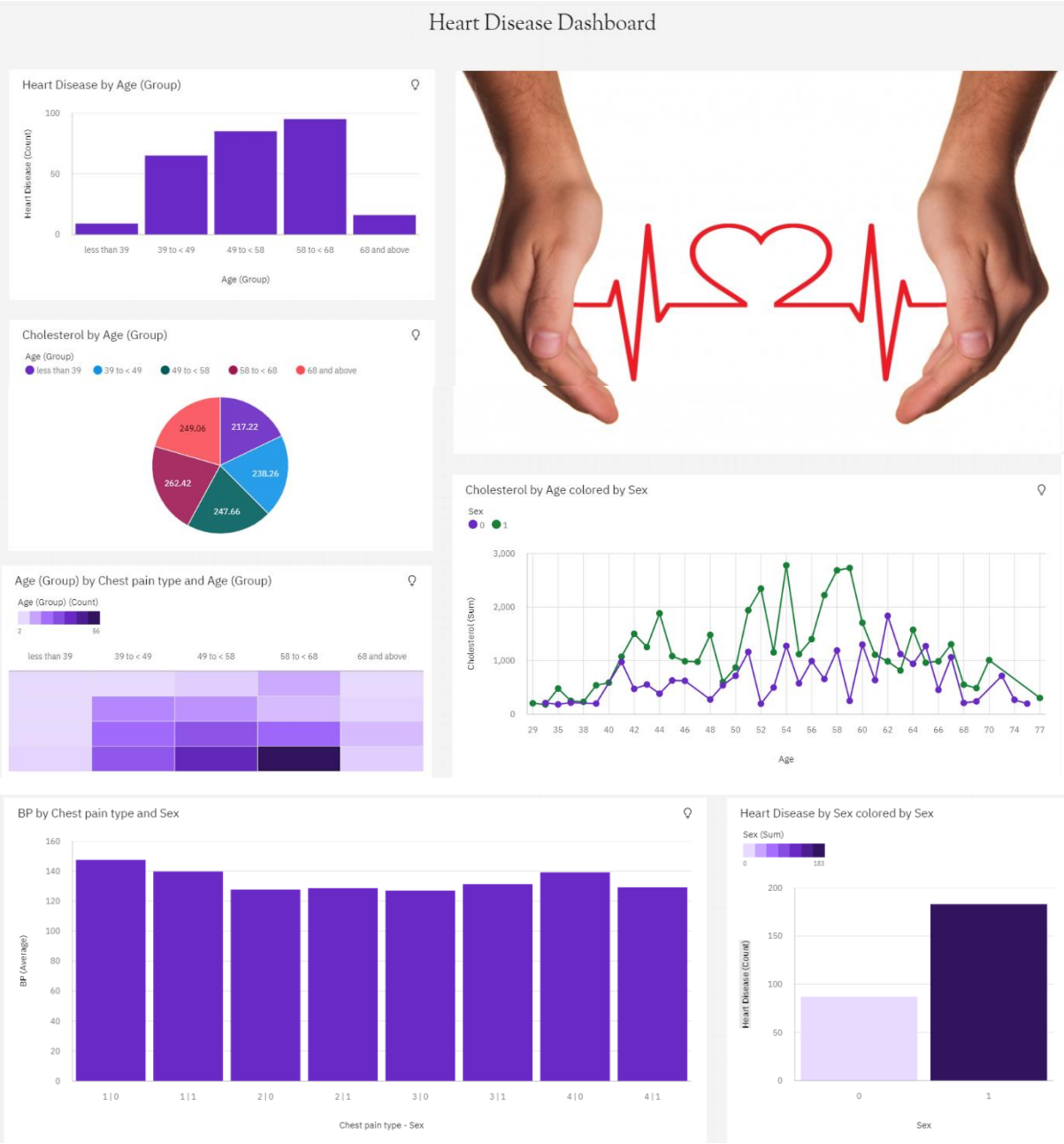
Fixed defect

Result

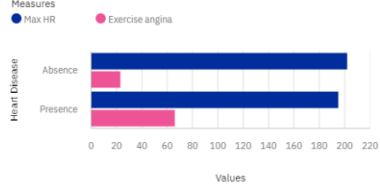
Absence of heart diseases

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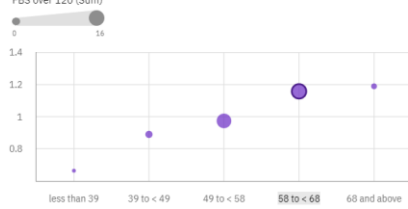
6. Visualisations Page:



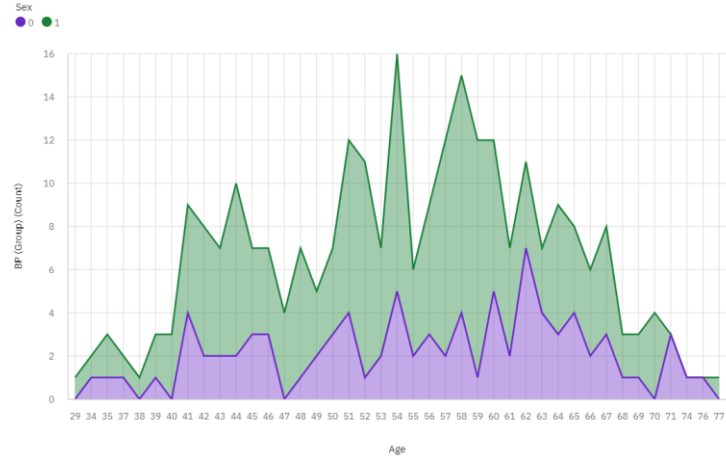
Max HR and Exercise angina by Heart Disease



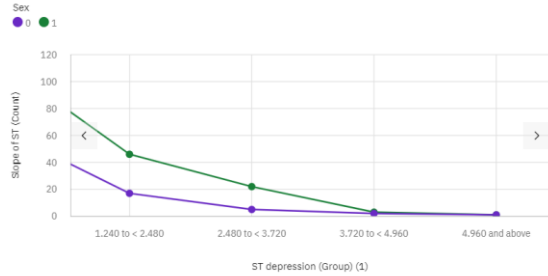
Age (Group) by EKG results sized by FBS over 120



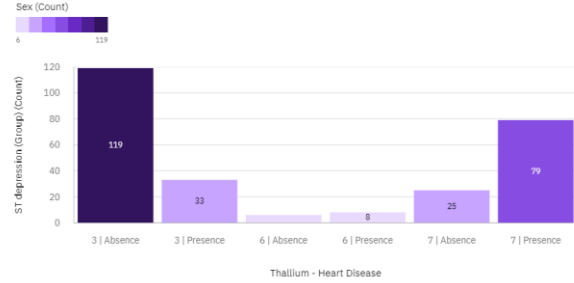
BP by Age



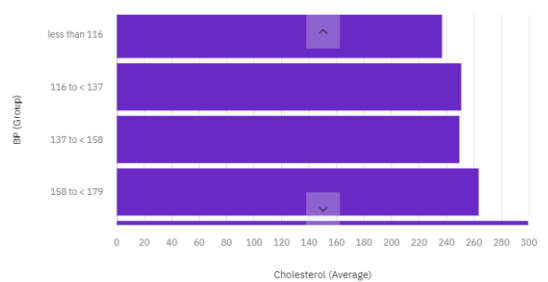
Slope of ST by ST depression (Group) (1) colored by Sex



ST depression (Group) by Thallium and Heart Disease colored by Sex



Cholesterol by BP (Group)



Slope of ST and Number of vessels fluro by Max HR (Group) (1)

