

General Observations

1. There are 303 patients
2. 207 patients are male and 96 patients are female.
3. The range of age of the patients is 29-77 years old and the patients with the highest frequency are 55-60 years old.

Feature Name	Patients with less/no probability of heart disease	Patients with more probability of heart disease
Sex	Approximately 55% or 114 of the male patients and 25% or 72 of the female patients are at less risk of developing a heart disease	Approximately 45% or 93 of the male patients and 75% or 72 of the female patients have a higher chance of developing a heart disease
Chest Pain	Out of 138 patients, 104 patients have the result 0, 9 patients have the value 1, 18 patients have the value 2 and 7 patients have the value 3	Out of 165 patients, 39 patients have the result 0, 41 patients have the value 1, 69 patients have the value 2 and 16 patients have the value 3
Fasting Blood Sugar	Of the 138 patients, 116 patients or 84% of the patients who have less chance of getting a heart disease do not suffer from blood sugar	Of the 165 patients, 142 patients or 86% of the patients who have more chance of getting a heart disease suffer from blood sugar
resting electrocardiographic results	79 out of 138 patients got the result 0, 56 patients got the result 1 and the remaining 3 patients got the result 2.	Of the 165 patients, 68 of them got the result 0, 96 of them got the result 1 and the remaining 2.
Exercise induced angina	55% or 76 patients out of 138 patients have exercise induced angina	86% or 142 patients out of 168 patients have exercise induced angina

Slope of the peak exercise ST segment	91 out of 138 patients got the result as 1, 35 of them got the result as 2 and the remaining 12 patients got the result as 0	107 out of 165 patients got the result as 2, 49 of them got the result 1 and the remaining 9 patients got the result 0
number of major vessels colored by flourosopy	45 patients got the result 0, 44 patients got the result 1, 31 patients got the result 2, 17 patients got the result 3 and 1 patient got the result 4	130 patients got the result 0, 21 patients got the result 1, 7 patients got the result 2, 3 patients got the result 3 and 4 patients got the result 4
Thal	1 patient got the result as 0, 12 patients got the result as 1, 36 patients got the result as 2 and 89 patients got the result as 3	1 patient got the result as 0, 6 patients got the result as 1, 130 patients got the result as 3 and 28 patients got the result as 4
Age	The mean age of patients who have less probability of getting a heart disease is 56.6	The mean age of patients who have a higher probability of getting a heart disease is 52.5
Resting blood pressure	The mean value of the blood pressure for patients with less risk of getting a heart disease is 134.3 .	The mean value of the blood pressure for patients with more risk of getting a heart disease is 129.30 .
Serum cholestrol	The mean value of the serum cholesterol for patients with less risk of getting a heart disease is 251 .	The median value of the serum cholesterol for patients with more risk of getting a heart disease is 242.23 .
thalach	The mean value of the maximum heart rate achieved of patients having less risk of heart disease is 139.1	The mean value of the maximum heart rate achieved of patients having more risk of heart disease is 158.46
oldpeak	The mean value of distribution of ST depression induced by exercise relative to rest for patients having less risk of getting a heart disease is 1.58	The mean value of distribution of ST depression induced by exercise relative to rest for patients having less risk of getting a heart disease is 0.58