

By Mallela Preethi



Importing all dependencies

[1] import pandas as pd
 import matplotlib.pyplot as plt
 %matplotlib inline
 import seaborn as sns

[2] from google.colab import files uploaded = files.upload()

Choose Files heart.csv

• **heart.csv**(text/csv) - 38114 bytes, last modified: 6/27/2024 - 100% done Saving heart.csv to heart.csv

df = pd.read_csv('heart.csv') # Reading file
 df.head()

→		age	sex	ср	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	slope	ca	thal	target
	0	52	1	0	125	212	0	1	168	0	1.0	2	2	3	0
	1	53	1	0	140	203	1	0	155	1	3.1	0	0	3	0
	2	70	1	0	145	174	0	1	125	1	2.6	0	0	3	0
	3	61	1	0	148	203	0	1	161	0	0.0	2	1	3	0
	4	62	0	0	138	294	1	1	106	0	1.9	1	3	2	0



```
[7] df.shape # Knowing the shape of dataframe(no.of rows and columns)
```

→ (1025, 14)

This dataset contains 1025 records with 14 columns

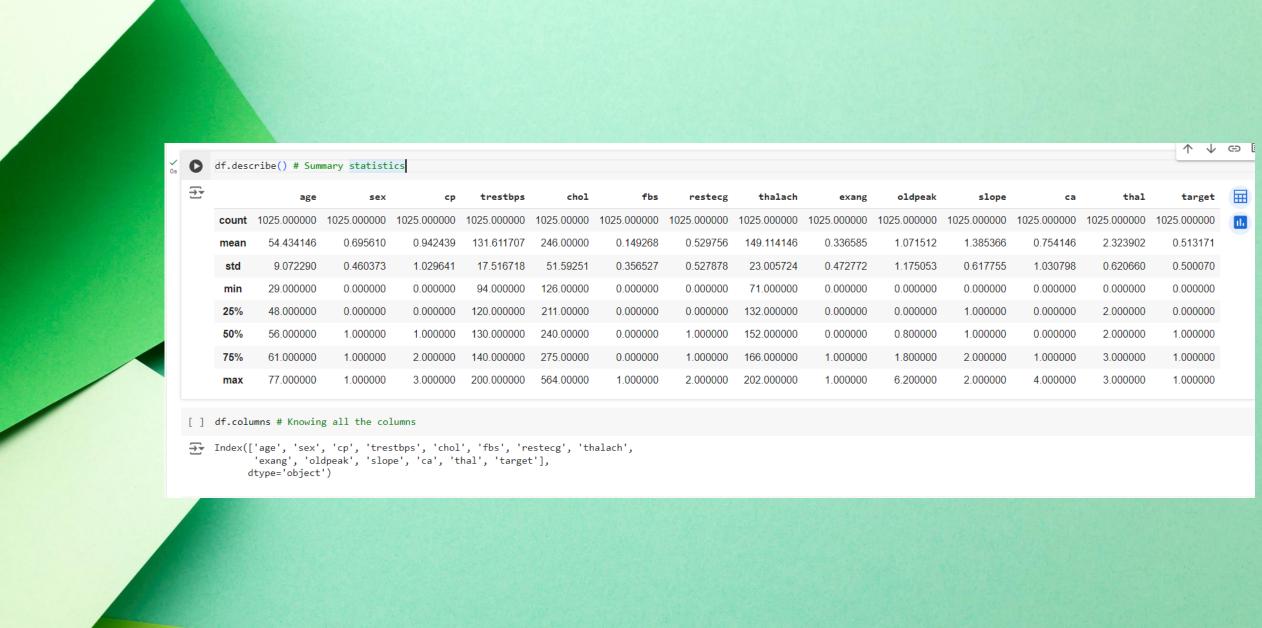
of our dataset of our dataset

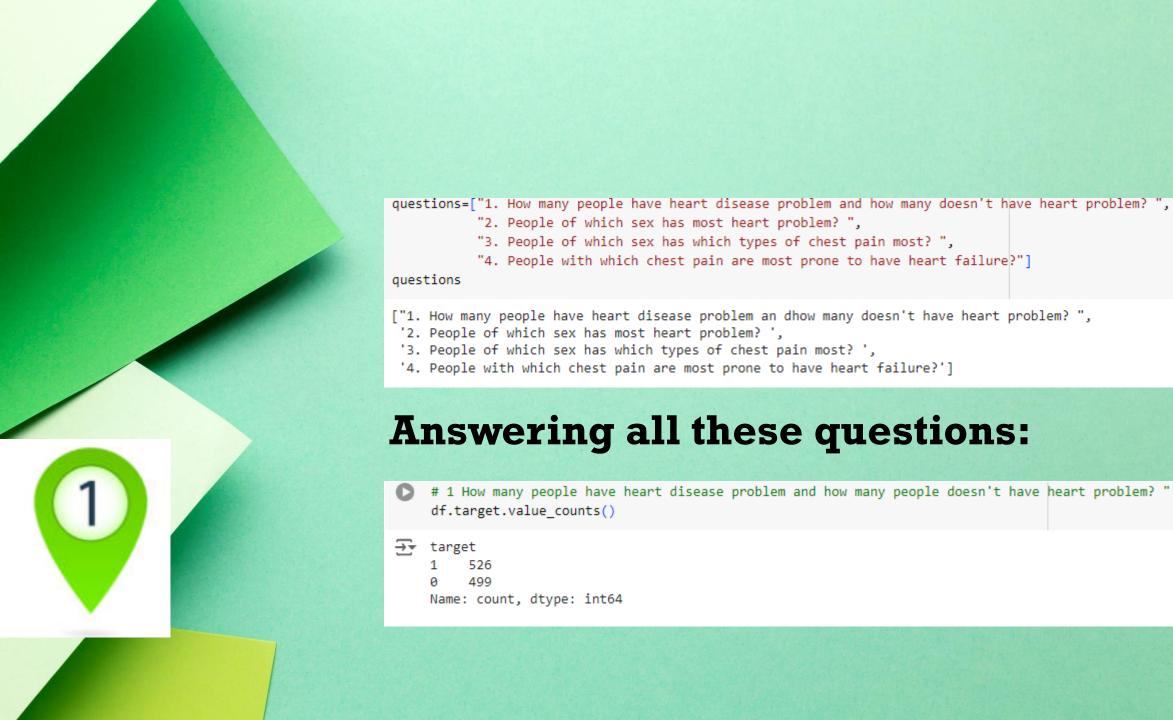
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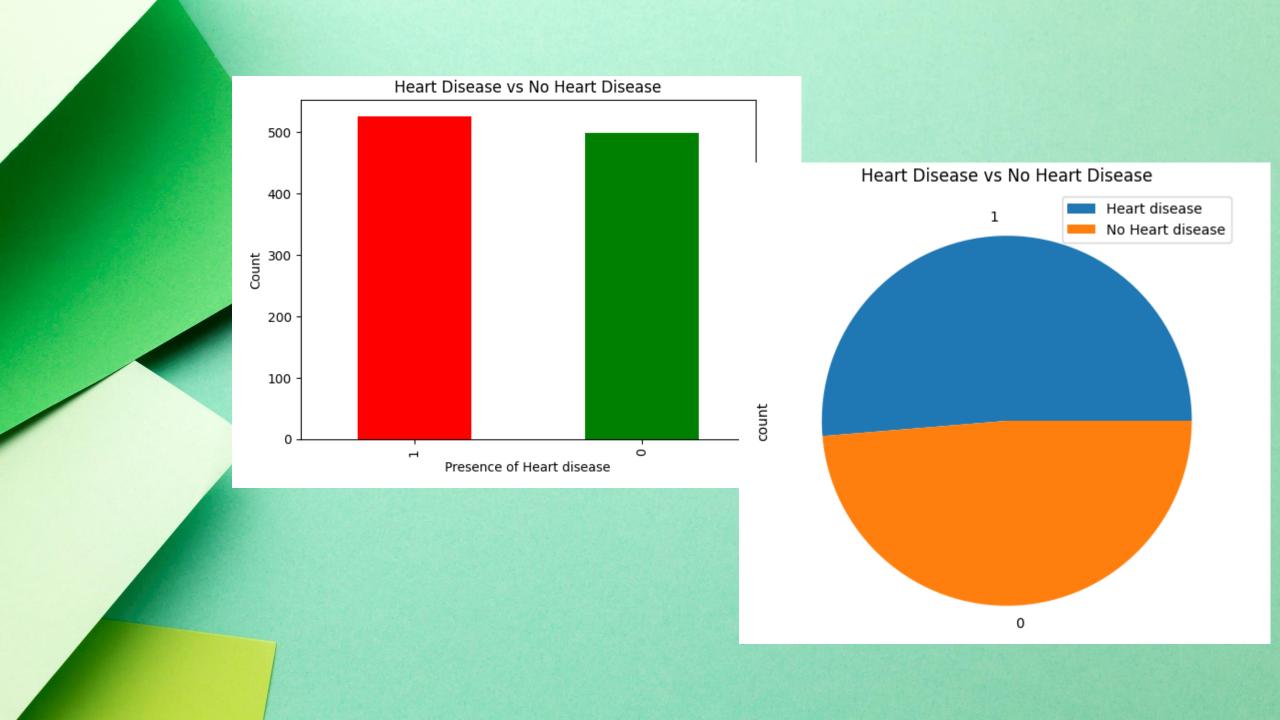
#	Column	Non-I	Null Count	Dtype				
0	age	1025	non-null	int64				
1	sex	1025	non-null	int64				
2	ср	1025	non-null	int64				
3	trestbps	1025	non-null	int64				
4	chol	1025	non-null	int64				
5	fbs	1025	non-null	int64				
6	restecg	1025	non-null	int64				
7	thalach	1025	non-null	int64				
8	exang	1025	non-null	int64				
9	oldpeak	1025	non-null	float64				
10	slope	1025	non-null	int64				
11	ca	1025	non-null	int64				
12	thal	1025	non-null	int64				
13	target	1025	non-null	int64				
dtyp	es: float6	4(1),	int64(13)					
memory usage: 112.2 KB								

memory usage: 112.2 Kb

There are no missing values

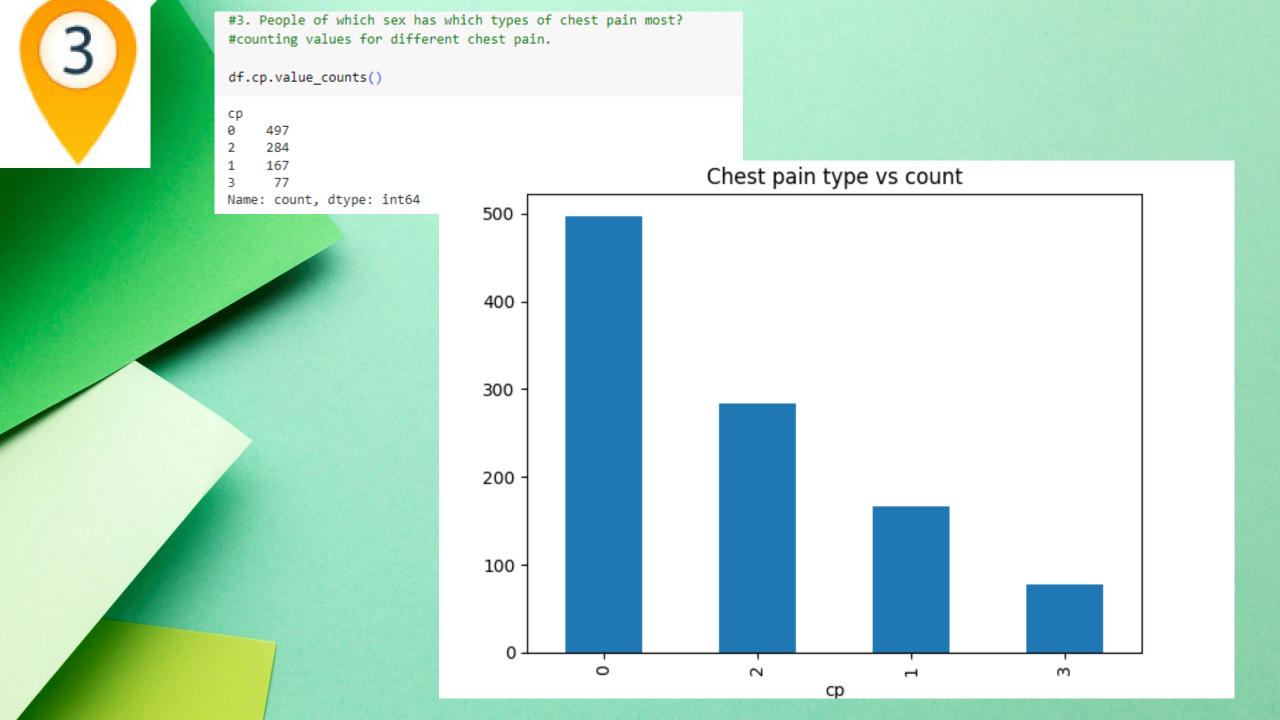


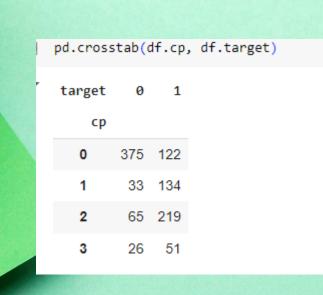


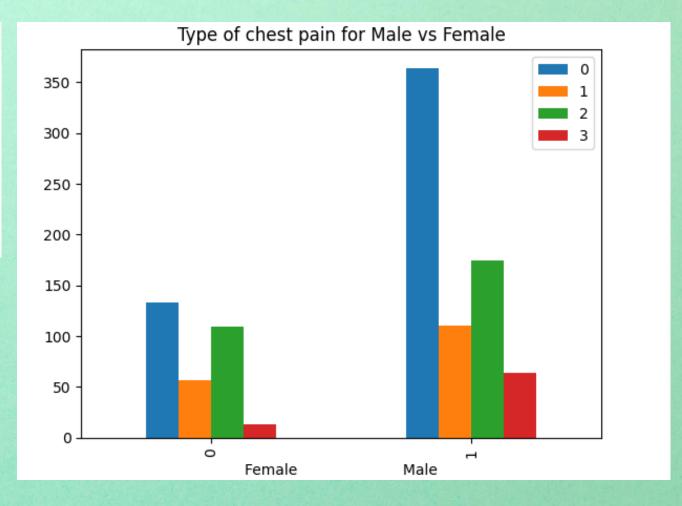












#Most of 'Male' has 'type 0' chest pain and least of 'Male' has 'type 4' chest pain.
#In case of 'Female', 'type 0' and 'type 2' pain presence percentage is almost same.

