Cardio Disease analysis

Instructor:

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Presenters:

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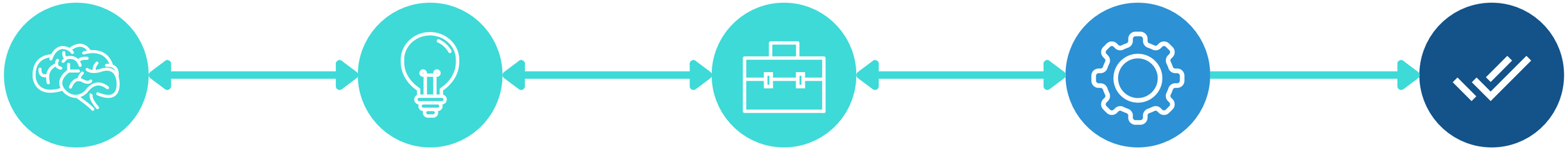
Project timeline



1

Preanalysis
&
Data understanding

2

EDA
Exploratory data
analysis

3

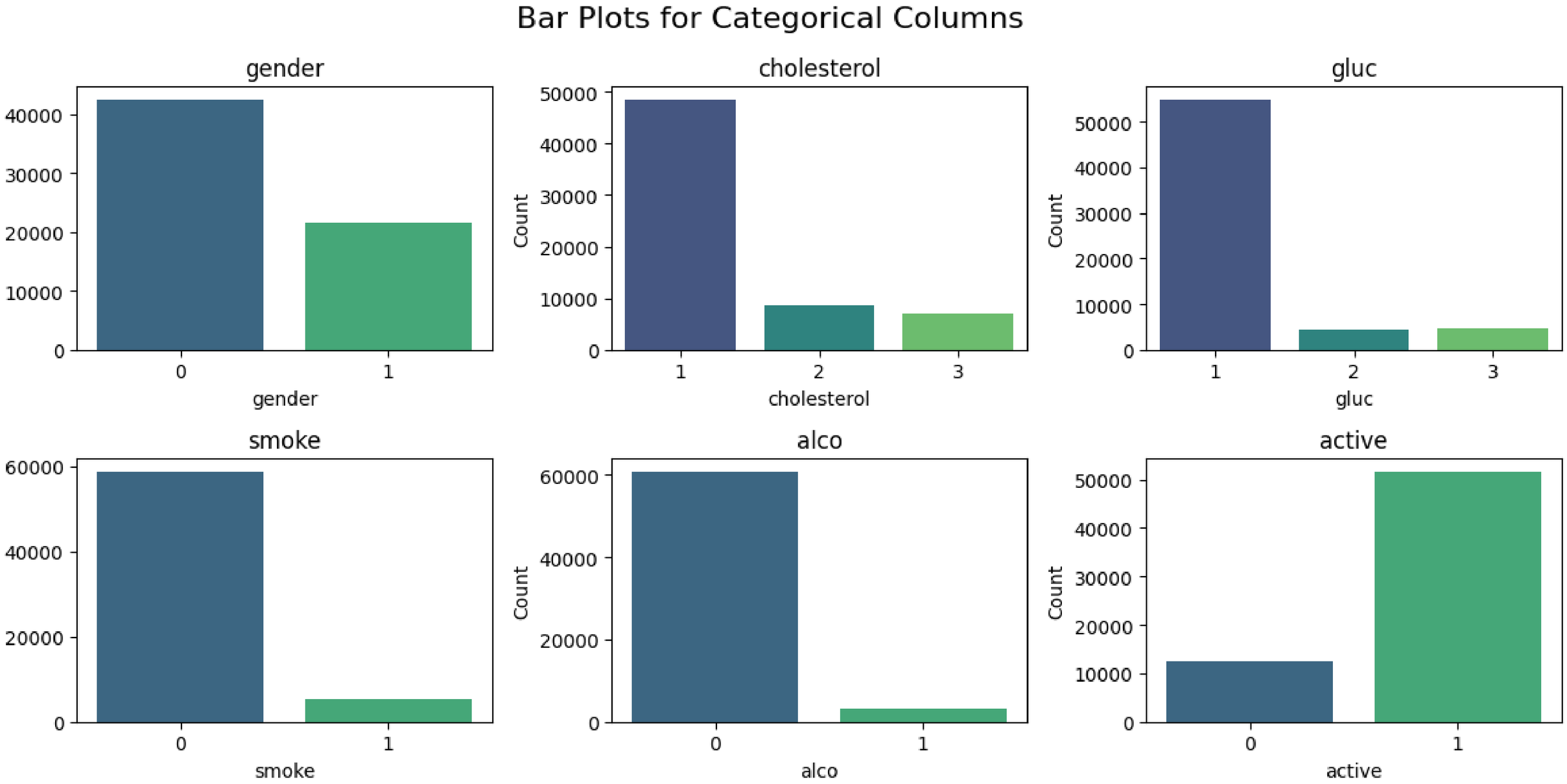
Data Preparing

4

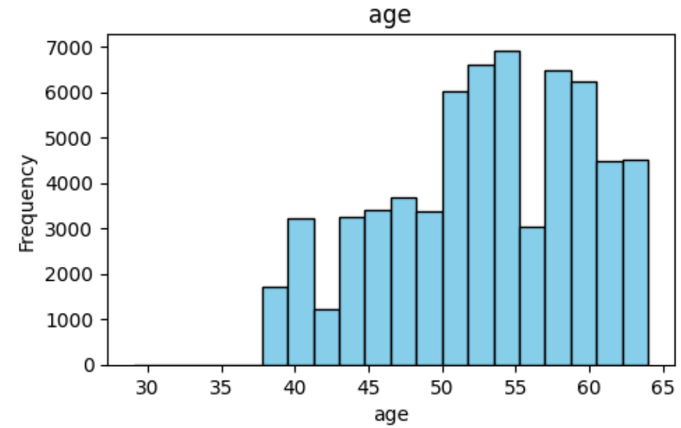
Modelling

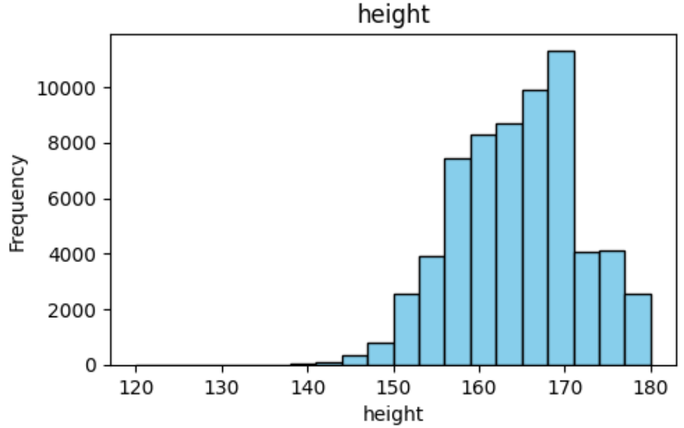
5

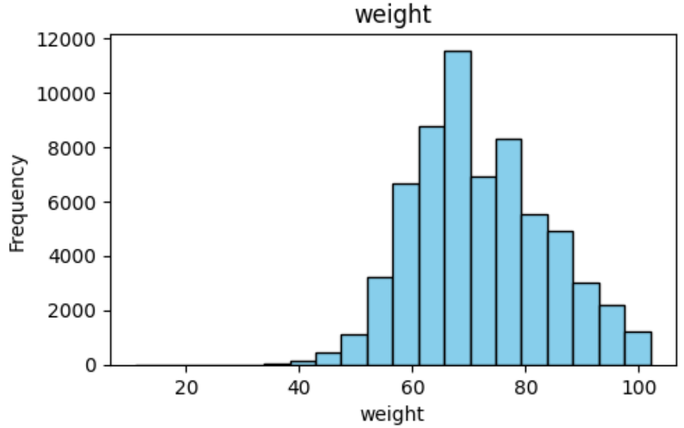
Evaluation
&
Deployment

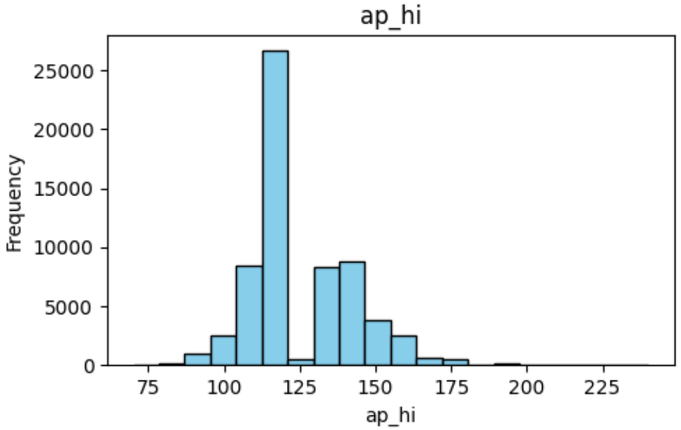

Bar Plots for Categorical Columns
gender
cholesterol
gluc
smoke
alco
active
Count
gender
cholesterol
gluc
smoke
alco
active

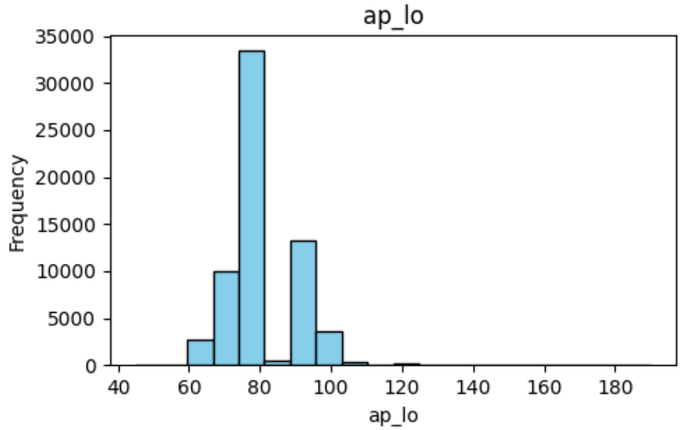
Histograms for numeric columns

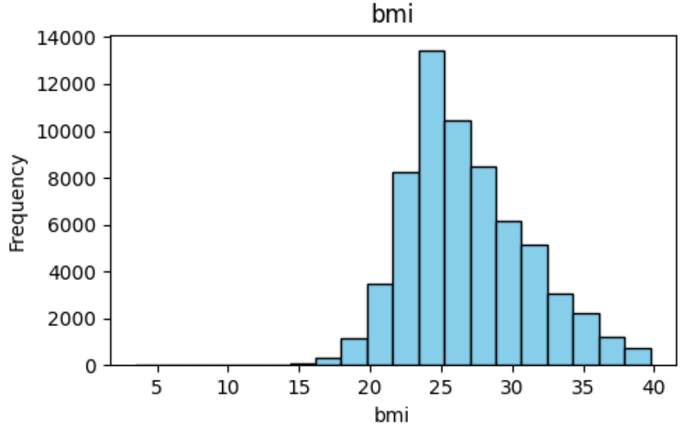


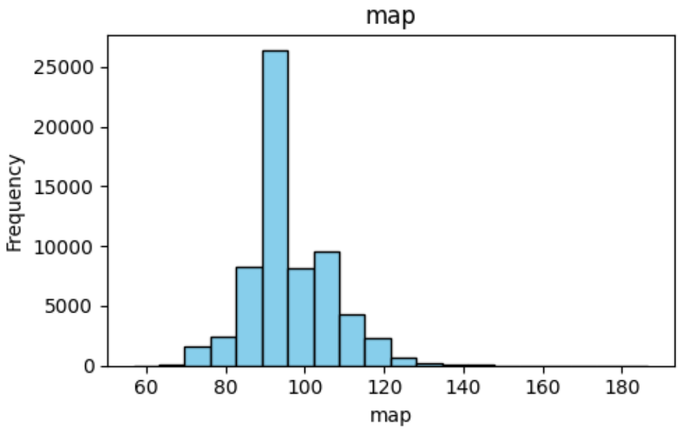


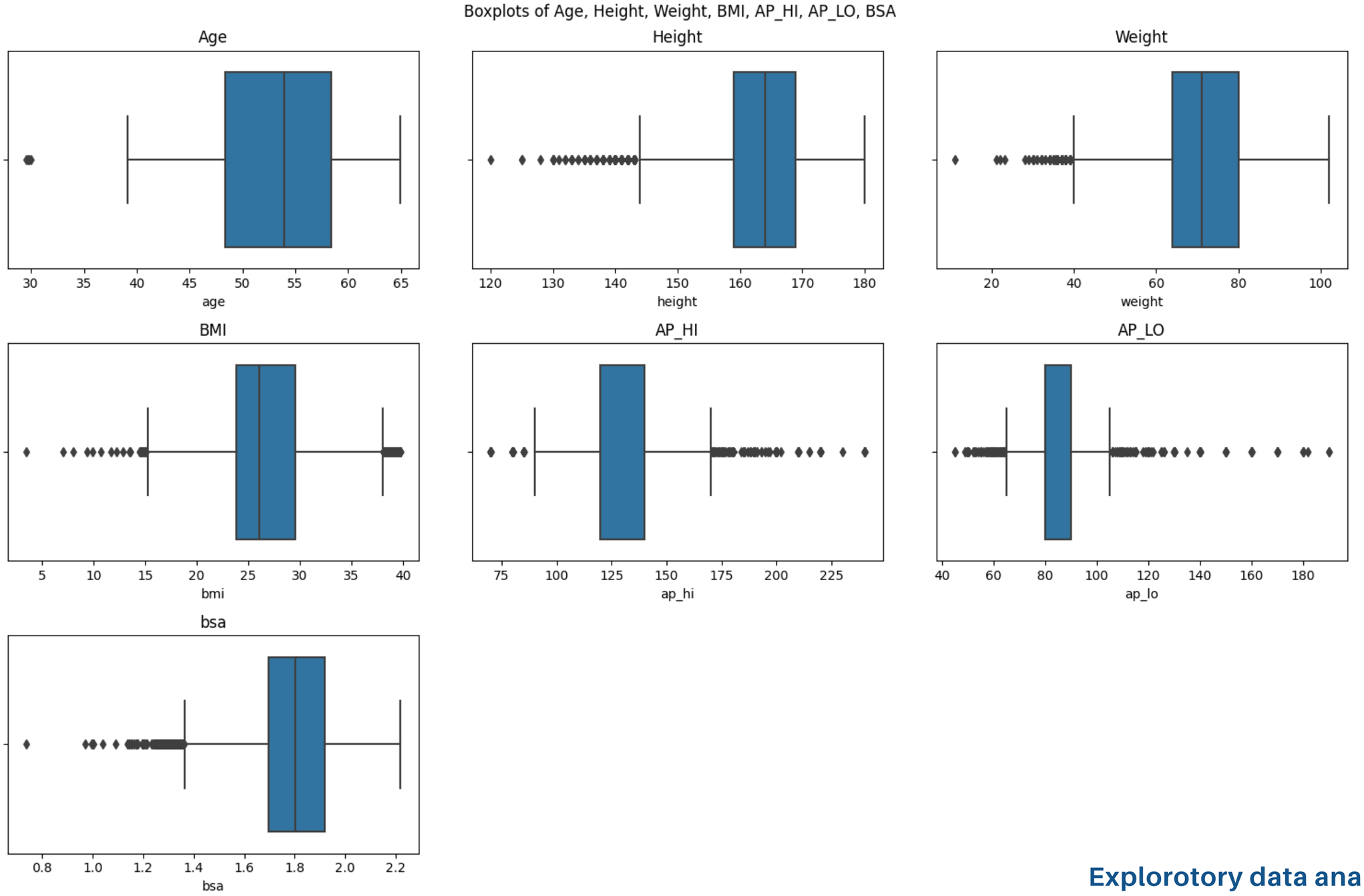




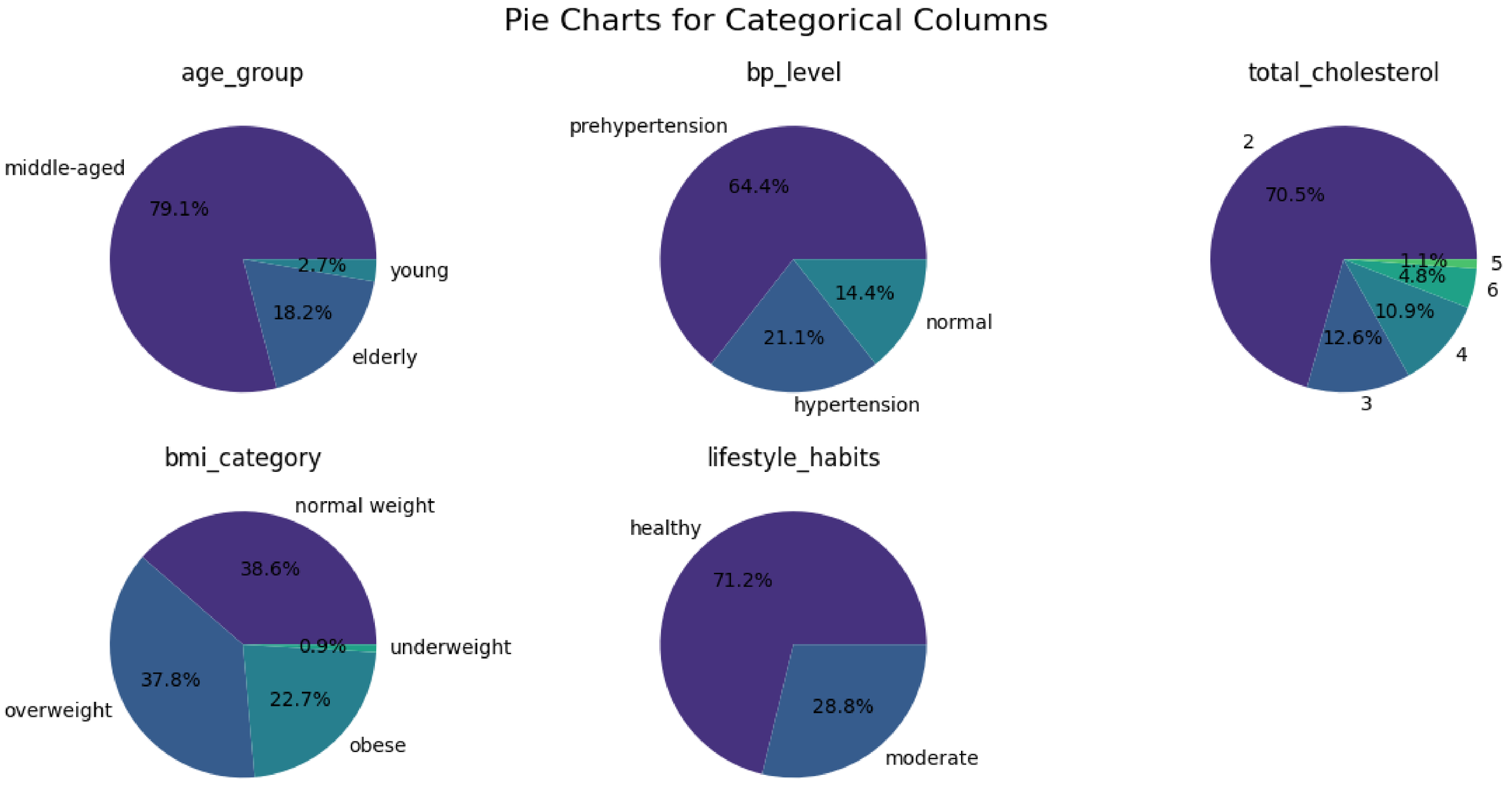


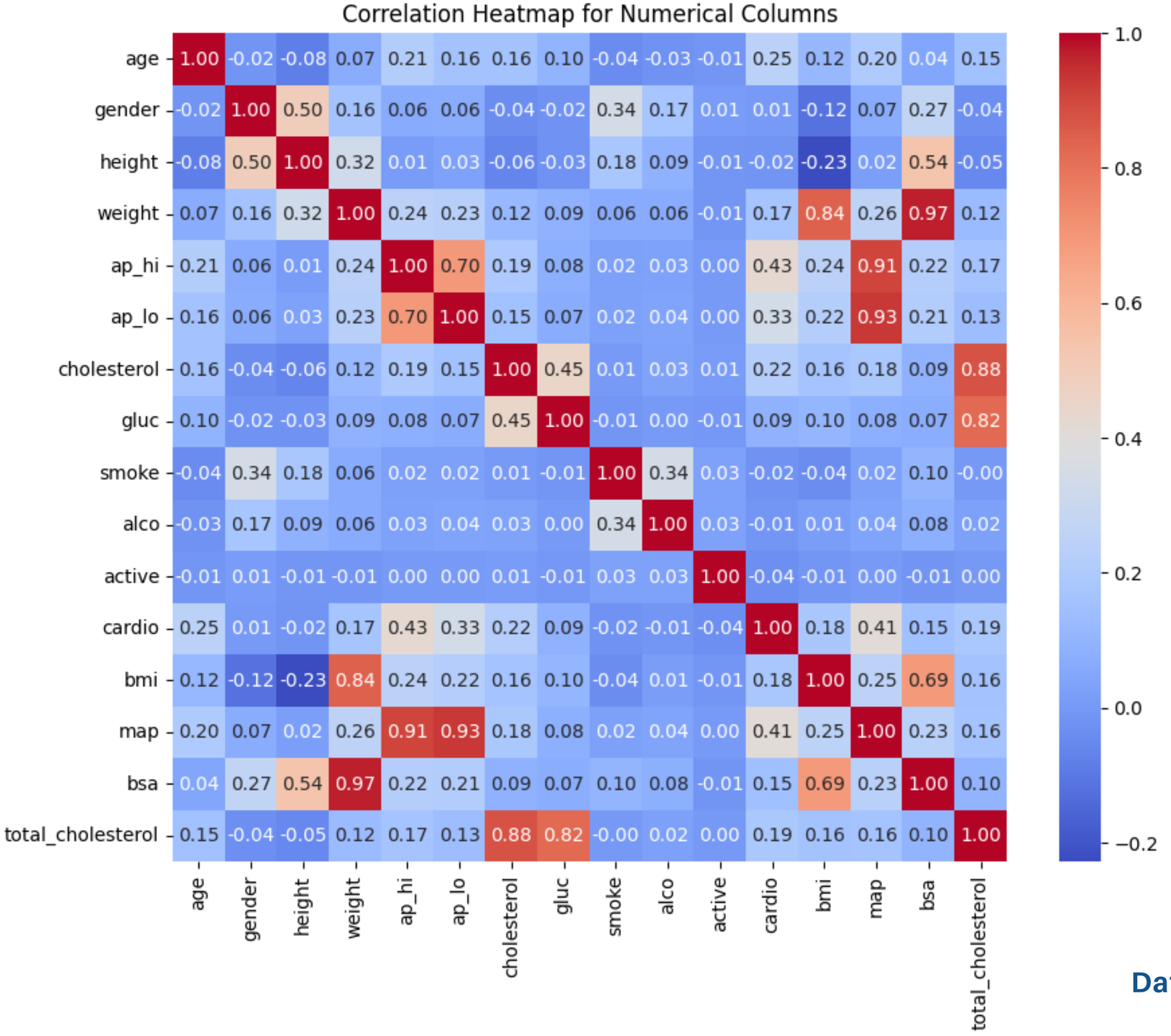






Explorotory data analysis

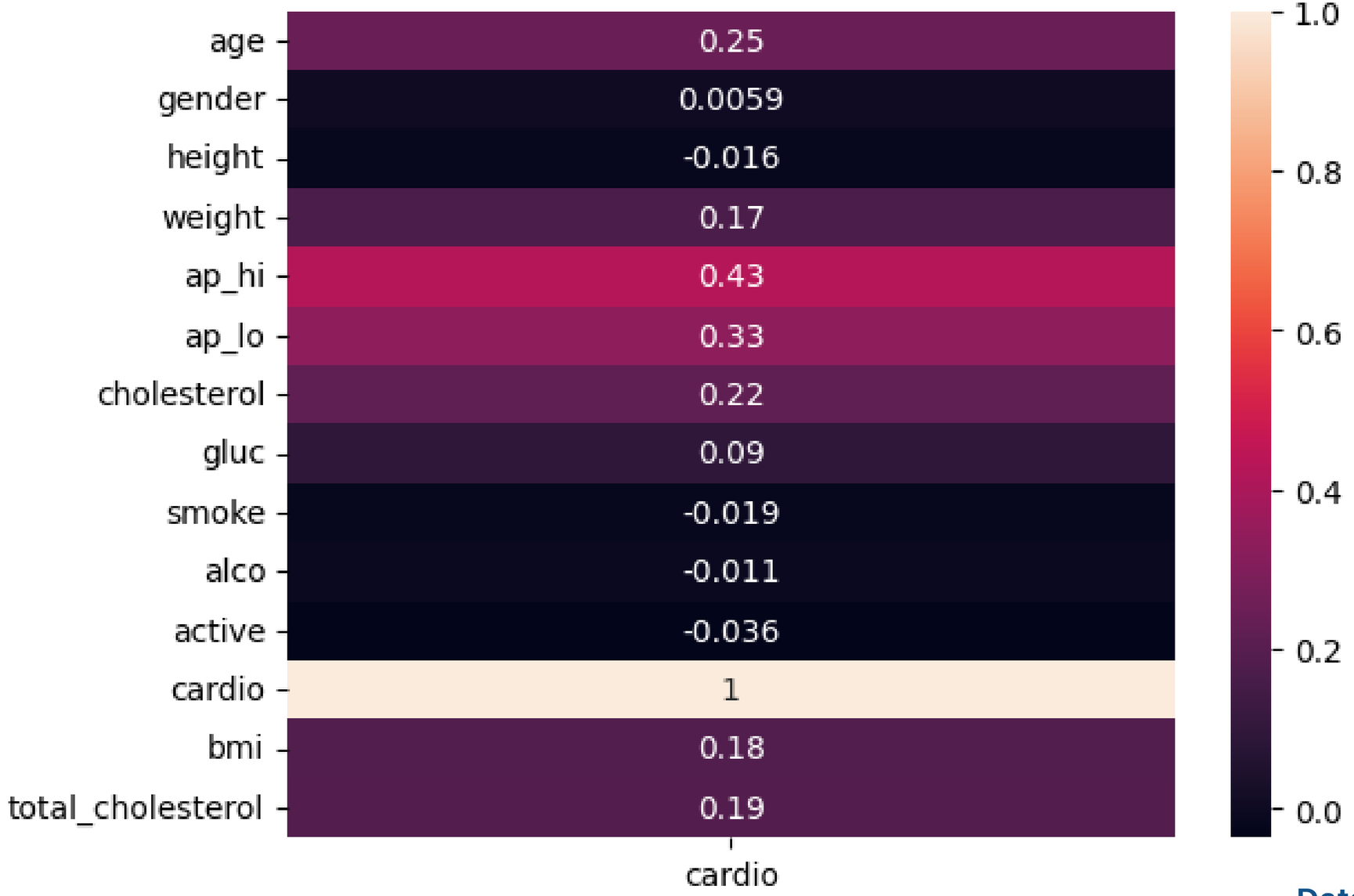

Pie Charts for Categorical Columns
age_group
middle-aged
79.1%
2.7%
young
18.2%
elderly
bp_level
prehypertension
64.4%
14.4%
normal
21.1%
hypertension
total_cholesterol
2
70.5%
1.1%
5
4.8%
6
10.9%
12.6%
4
3
bmi_category
normal weight
38.6%
0.9%
underweight
37.8%
overweight
22.7%
obese
lifestyle_habits
healthy
71.2%
28.8%
moderate



Data Preparing

CORRELATİONS

WITH TARGET



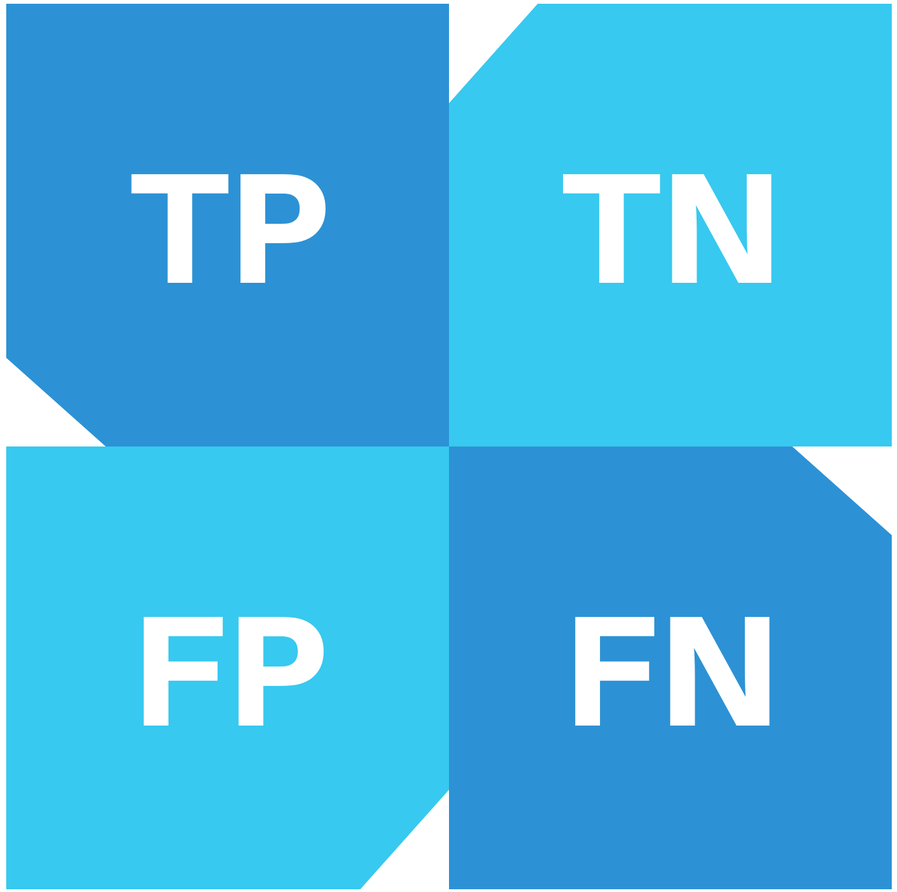
CONFUSION MATRIX

TRUE POSITIVE

Positive prediction of our model matched with the reality

FALSE POSITIVE

Positive prediction of our model dose not matched with the reality



TRUE NEGATIVE

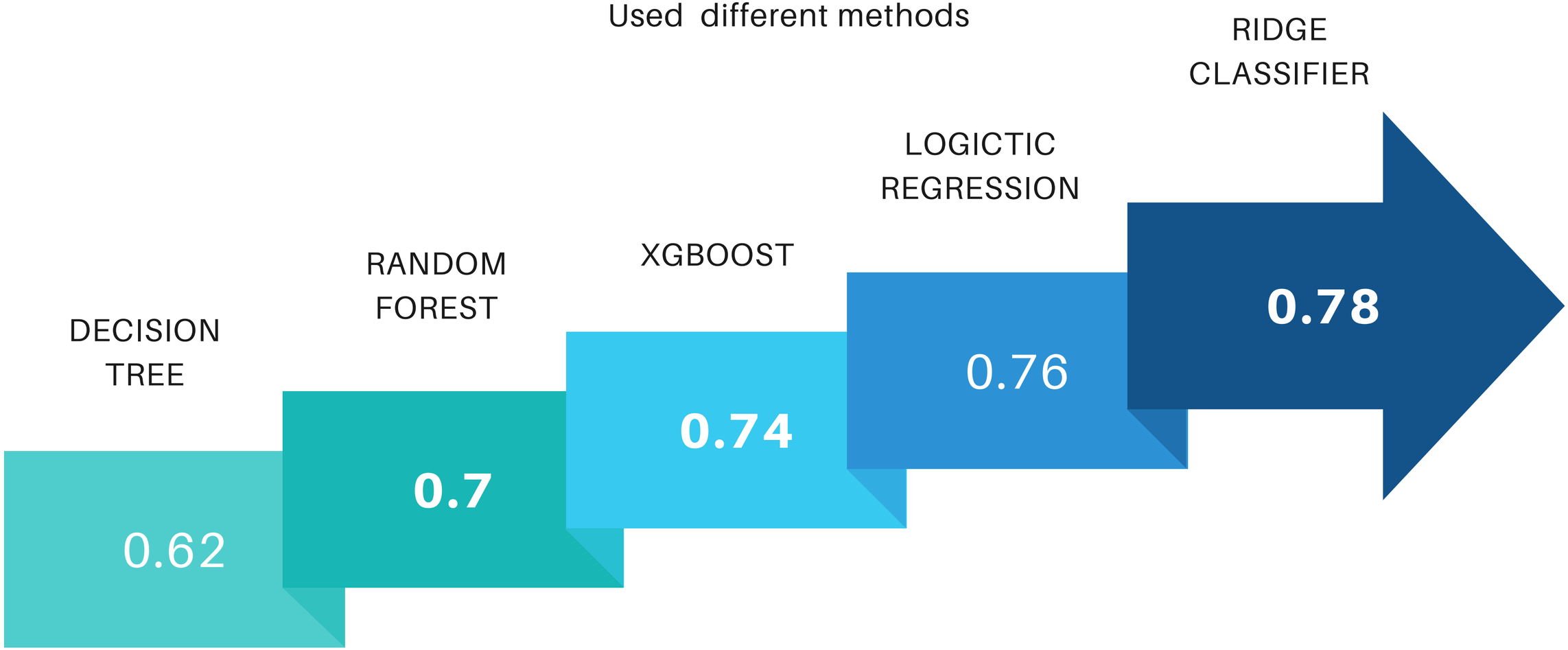
Negative prediction of our model dose not matched with the reality

FALSE NEGATIVE

Negative prediction of our model dose not matched with the reality

RESULTS OF MODELS

Used different methods



THANK YOU

FOR YOUR ATTENTION