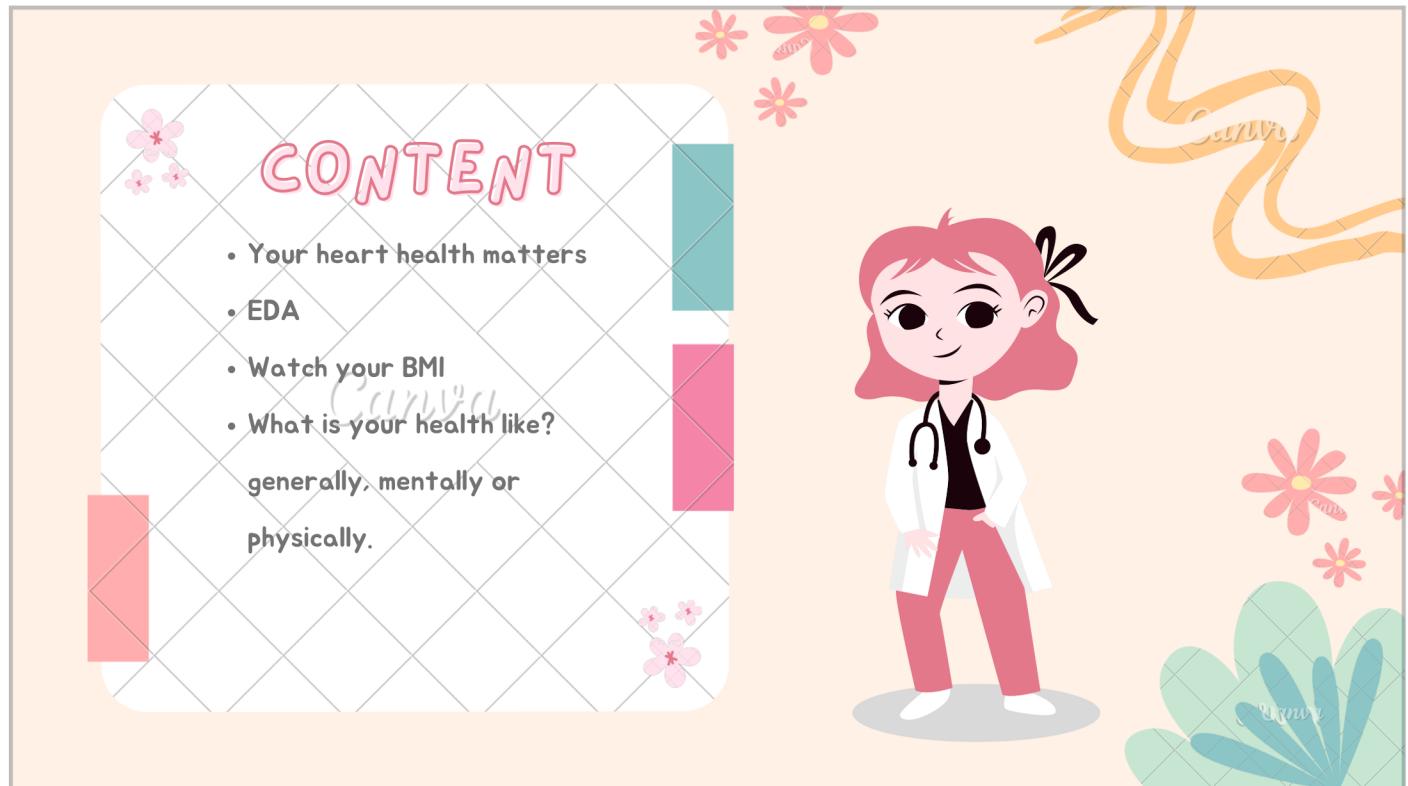
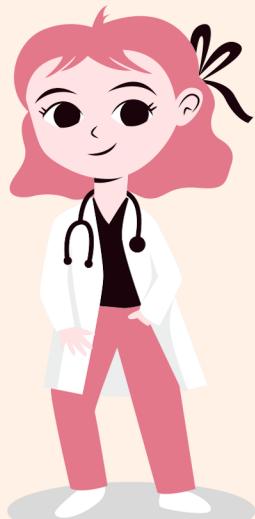


KNOW YOUR HEART HEALTH

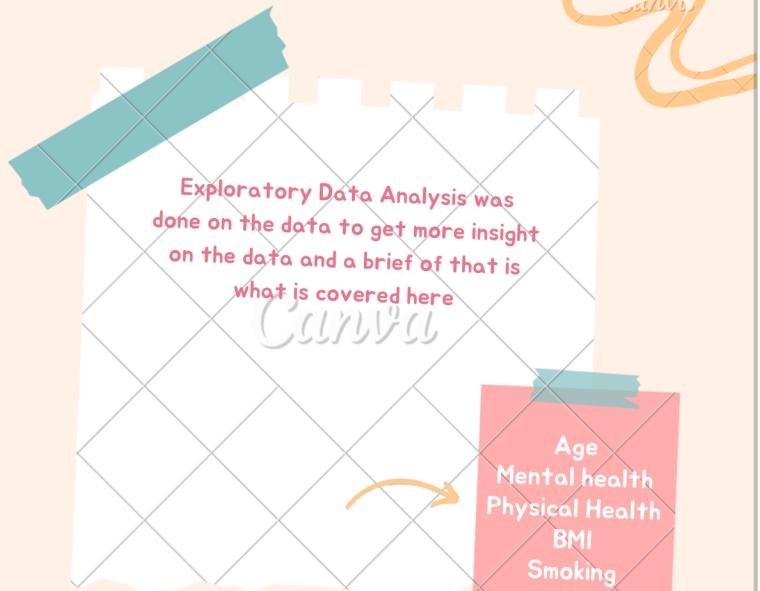
Presented by Teofilo Ligawa

CONTENT

- Your heart health matters
- EDA
- Watch your BMI
- What is your health like?
generally, mentally or
physically.



FACTORS





YOU ARE WHAT YOU EAT

Your food preference is closely linked to your health. By making a healthier food choices, you can prevent heart diseases or treat some heart conditions, especially as you grow older.



MAINTAIN YOUR BODY WEIGHT

Carrying too much weight in your body would increase the risk of several health conditions.

Here is a preference for healthy body weight compared to the height. Maintaining your weight close to the ideal weight is really beneficial to your health.

This is how the Body Mass Index is arrived at. A high BMI implies that your weight is too much for your height.

Height (cm)	Ideal weight for Men (kg)	Ideal weight for Women (kg)
155	52.5	48
160	57	52.5
165	61.5	57
170	66	61.5
175	70.5	66
180	75	70.5
185	79.5	75

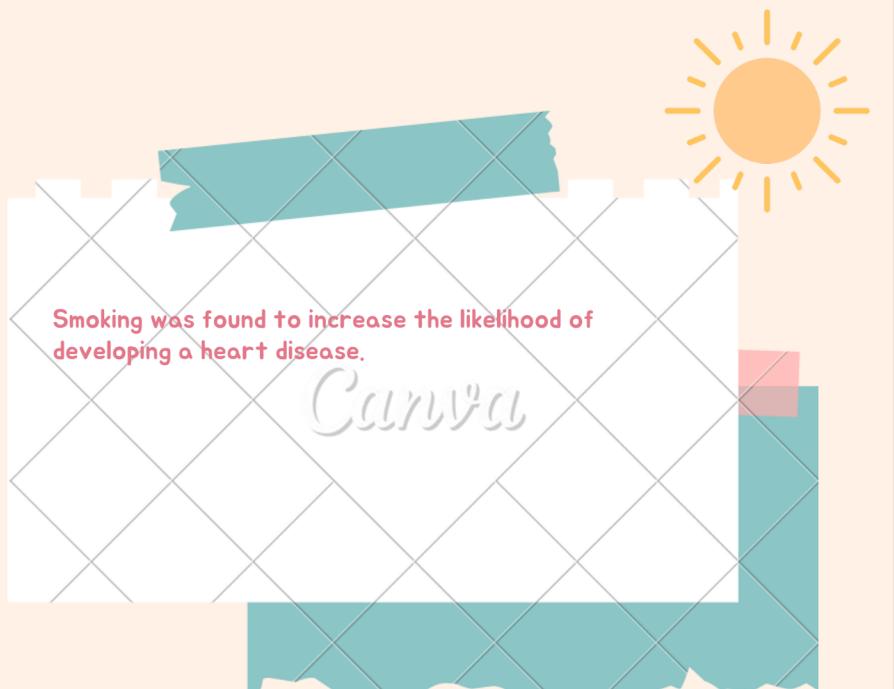
GENERAL , MENTAL & PHYSICAL HEALTH.

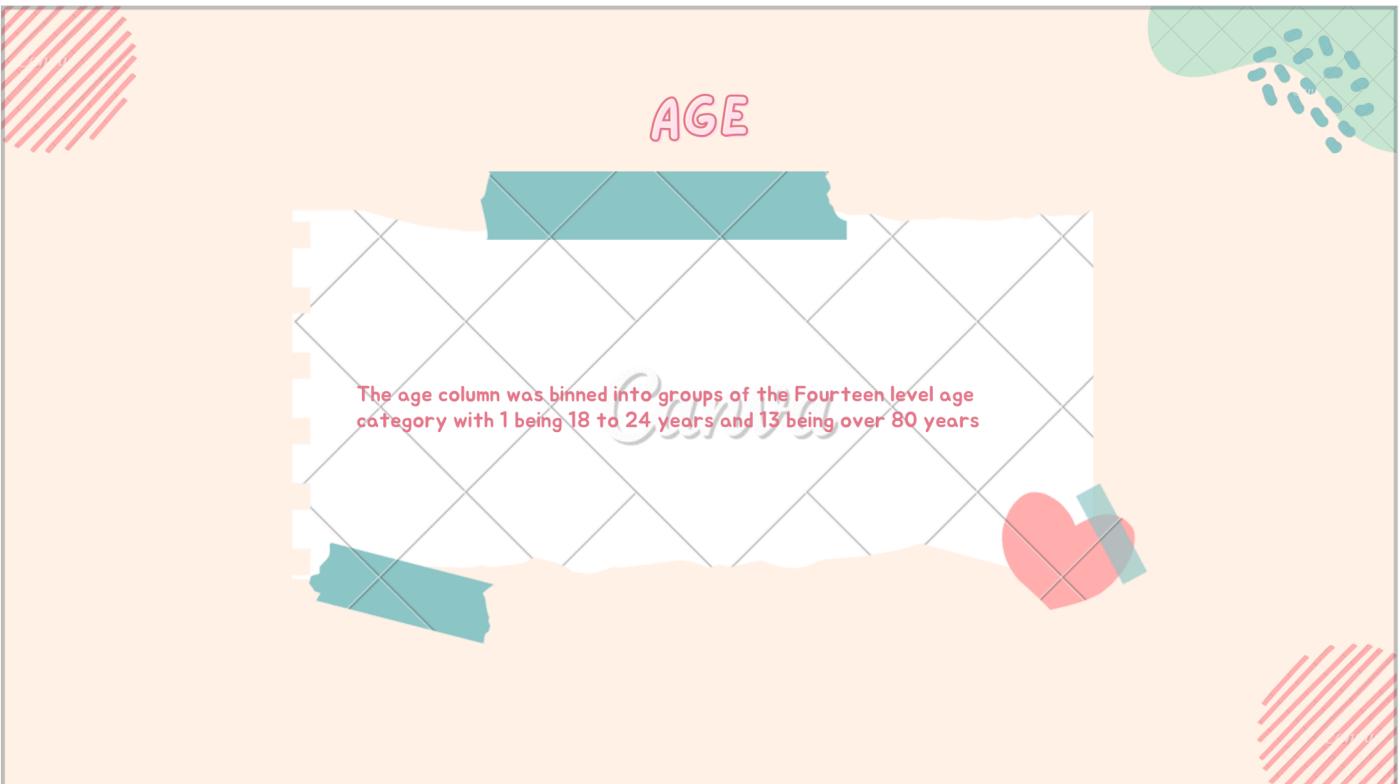


General, mental and physical health was found to be influential in the heart health of individuals, with those who registered a high number of days feeling either mentally or physically unwell being more likely to develop a heart disease.

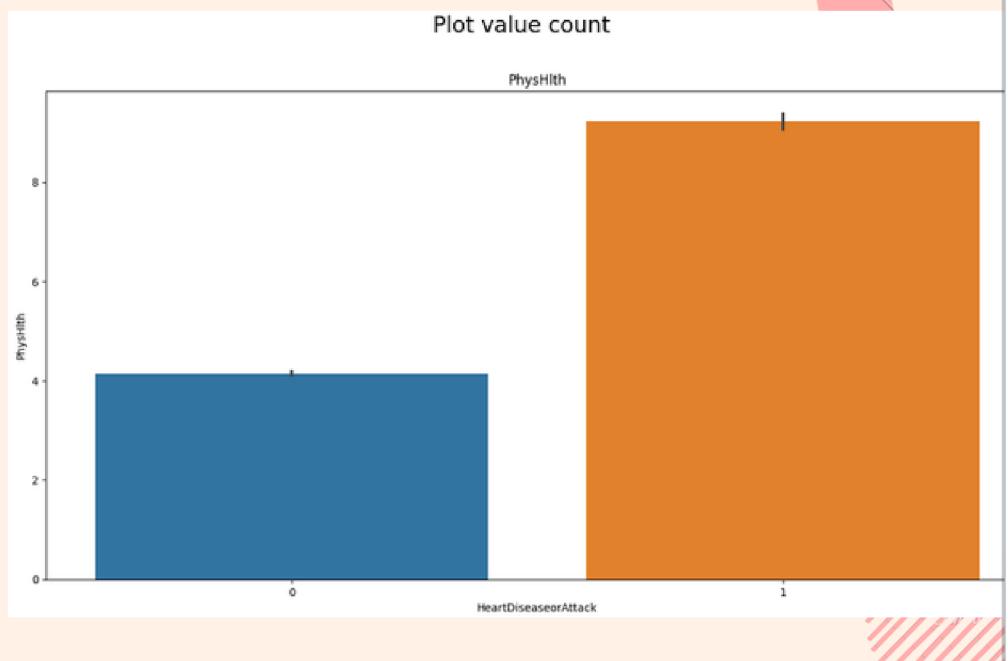


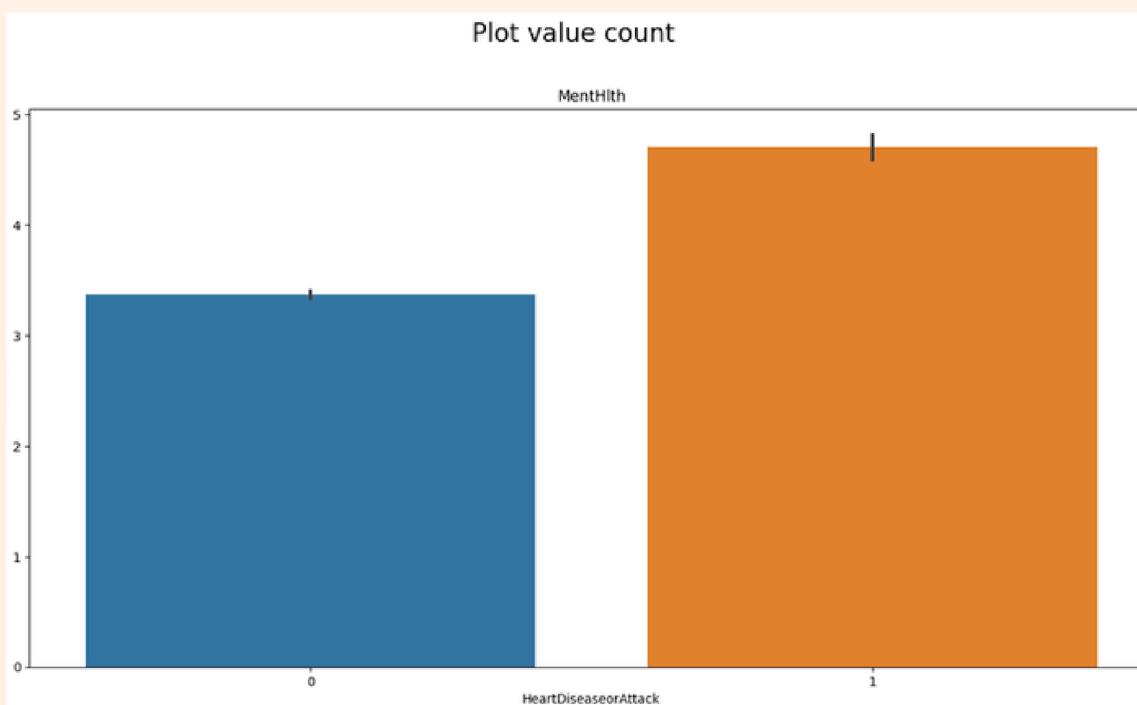
SMOKING

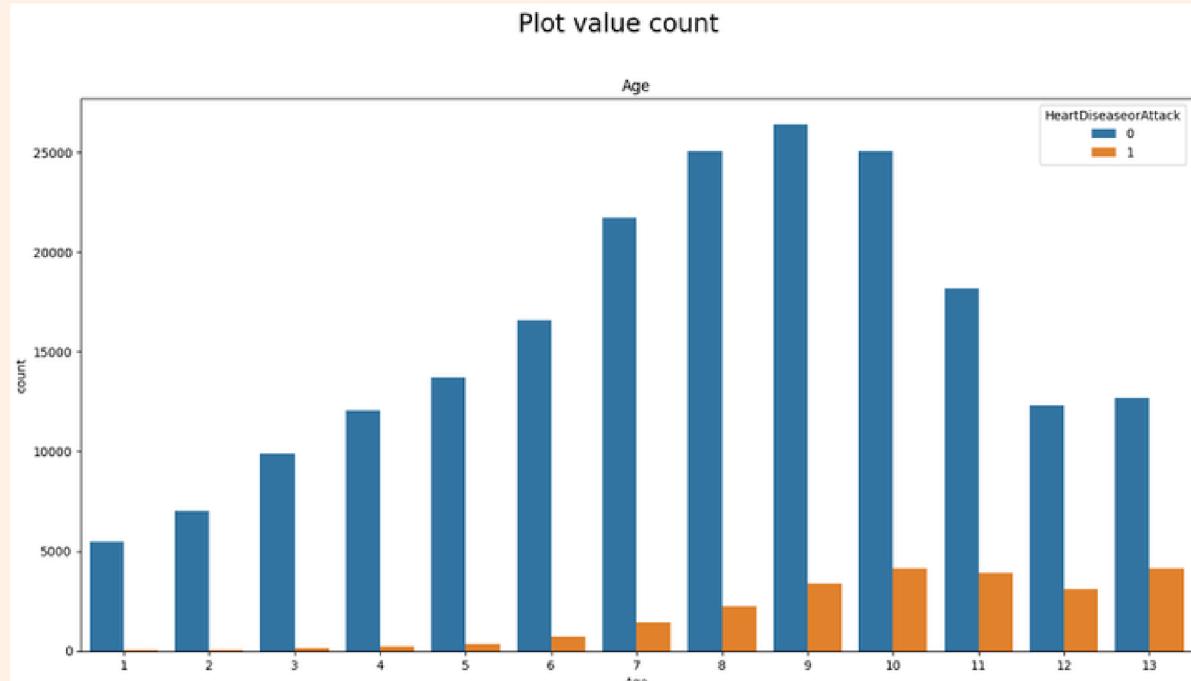




THE PLOTS







MODELLING

PIPELINE

A pipeline with a number of machine learning algorithms was made.

The study performed a Grid search and The random forest classifier was found to be the optimal model in predicting heart disease.

ACCURACY

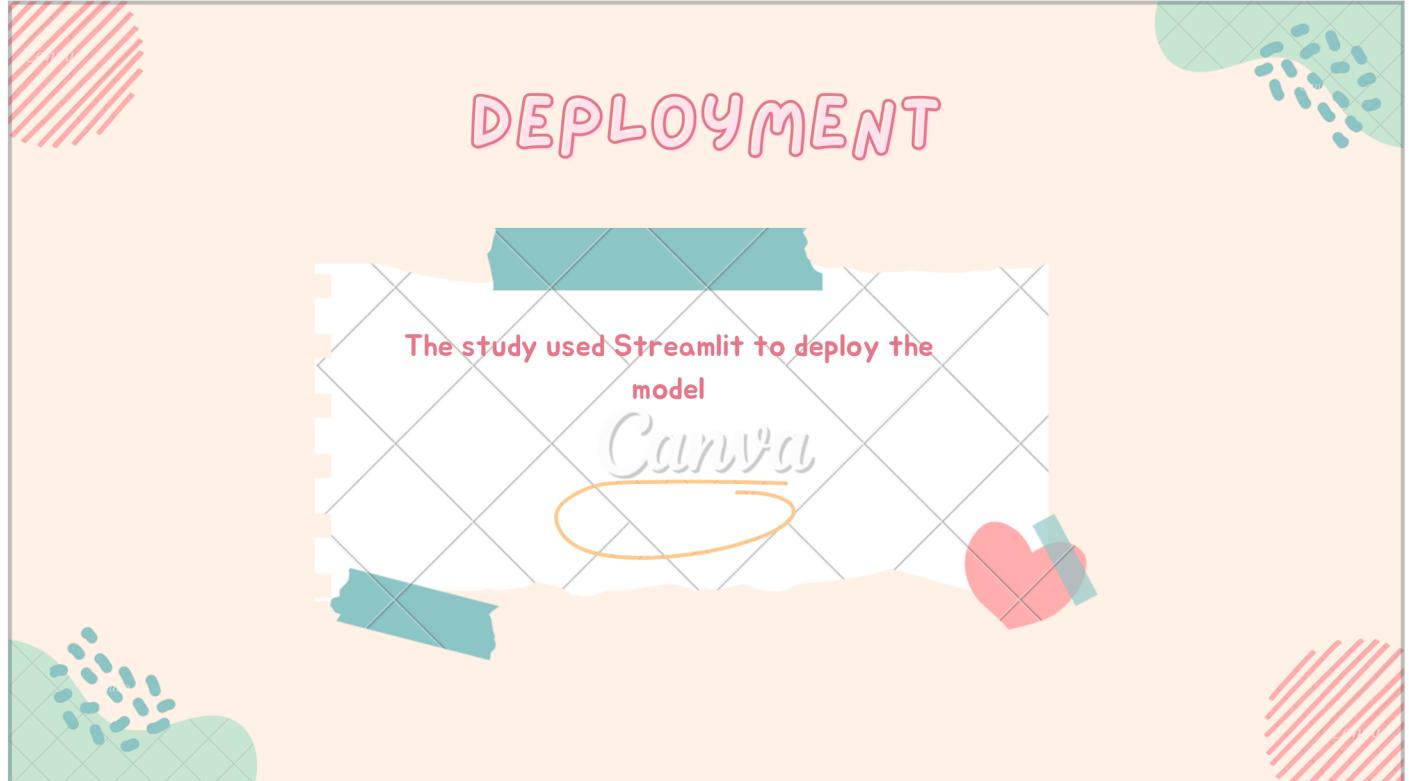
The model had an accuracy of about 90%.



DEPLOYMENT

The study used Streamlit to deploy the model

Carvalho



CONCLUSION

Health is the greatest wealth because when you are healthy, you got everything.
Watch your weight, physical activity and mental health, especially as you get older.

THANK YOU

The deployment link:

<https://teofizzy-heart-disease-or-attack-predicti-prediction-app-xyqyxr.streamlit.app/>