

Heart Disease Project

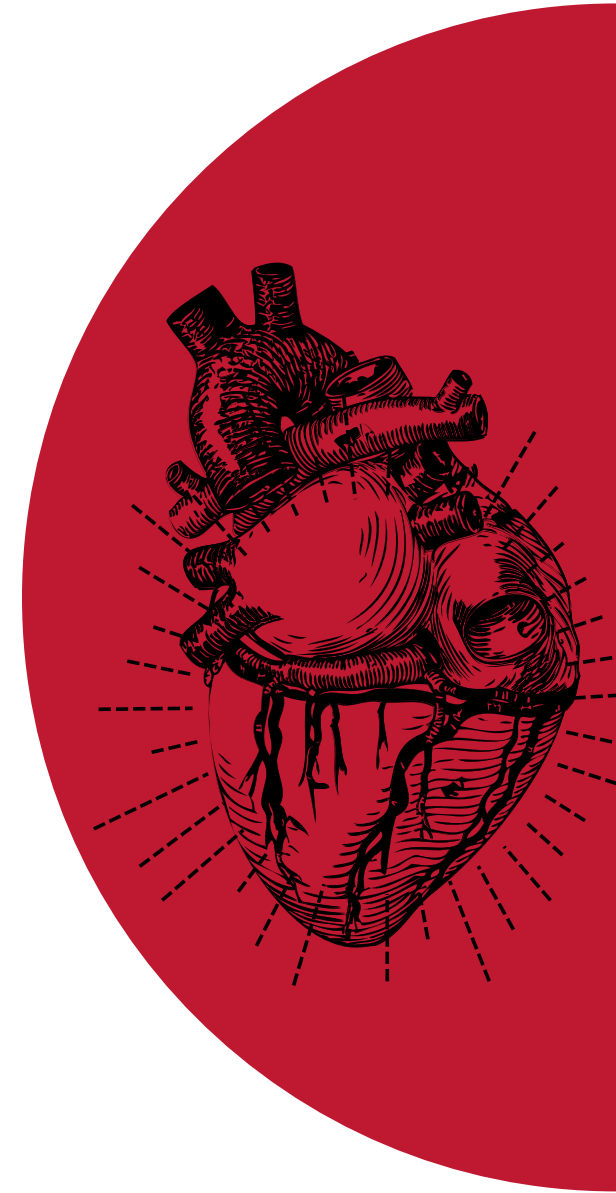


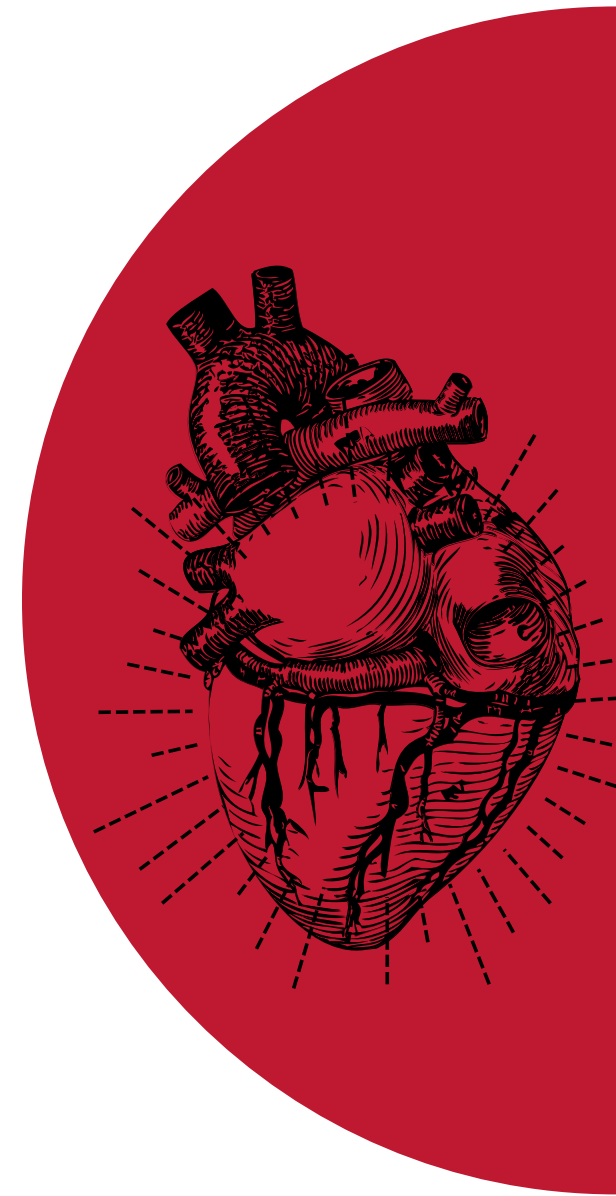
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Goal



Predict whether the patient has heart disease or not.



Data

Age

CP

Exang

Target

Gender

Trestbps

Thalach

Restecg

Oldpeak

CA

Chol

FBS

Slope

Thal



Tools

- Pandas

- NumPy

- Heroku

- Flask

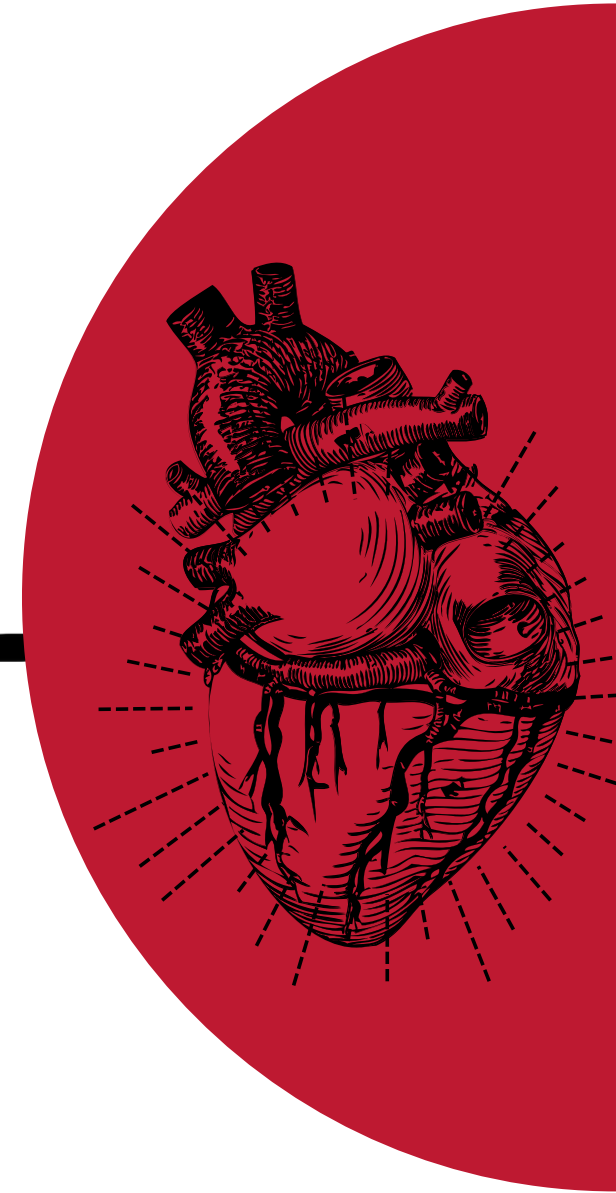
- Seaborn

- Ploty

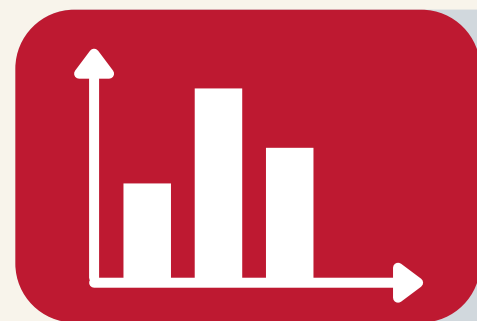
- matplotlib

- Sklearn

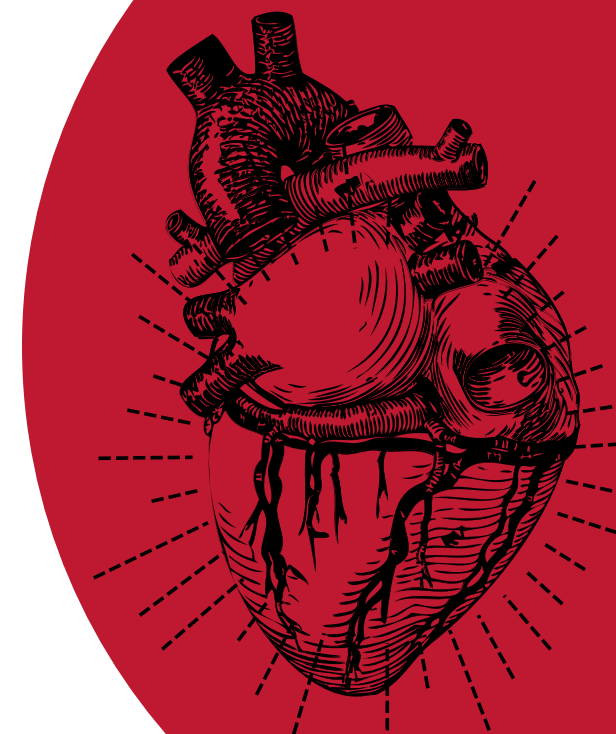
- SQL
Alchemy



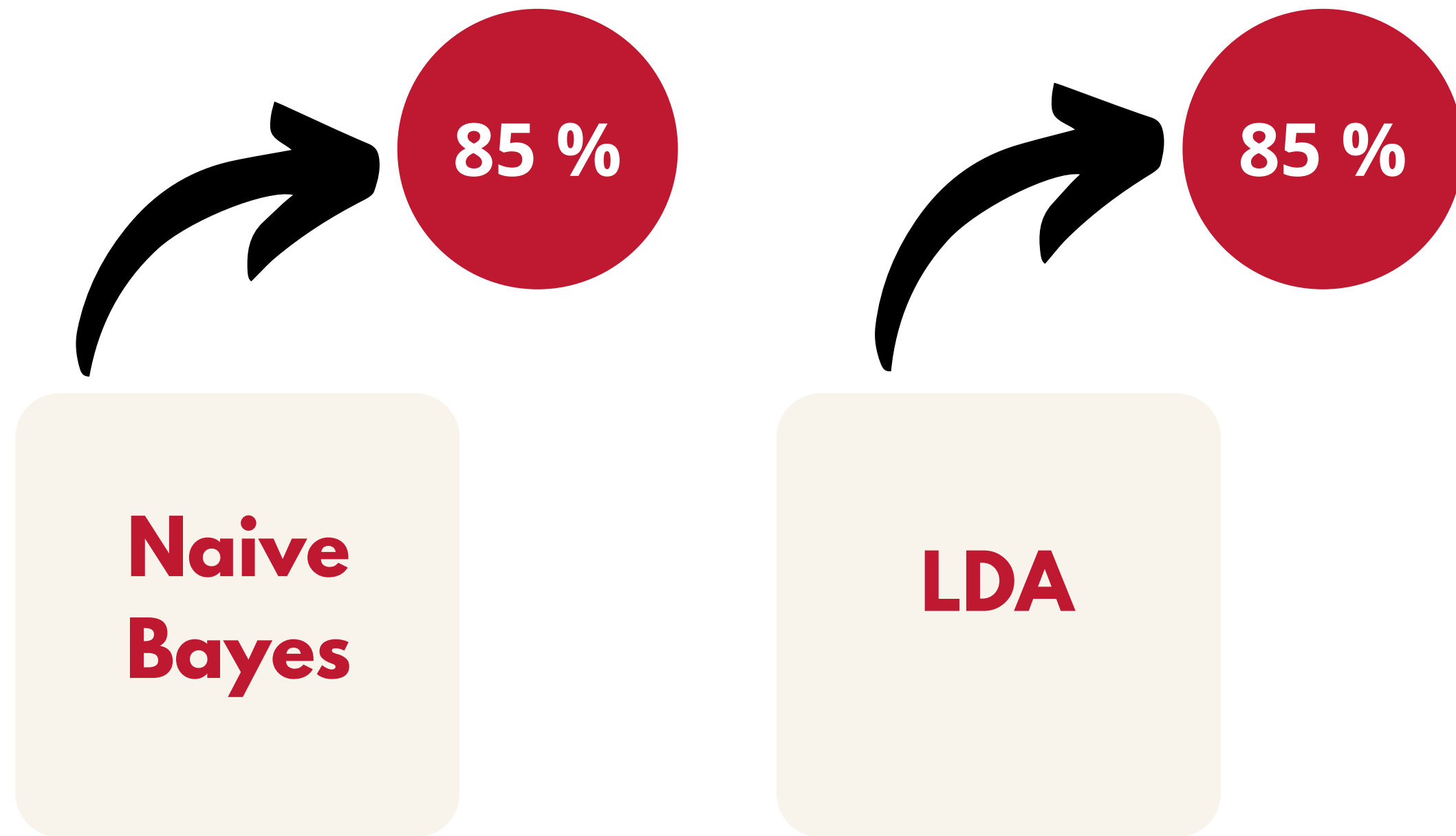
Modeling

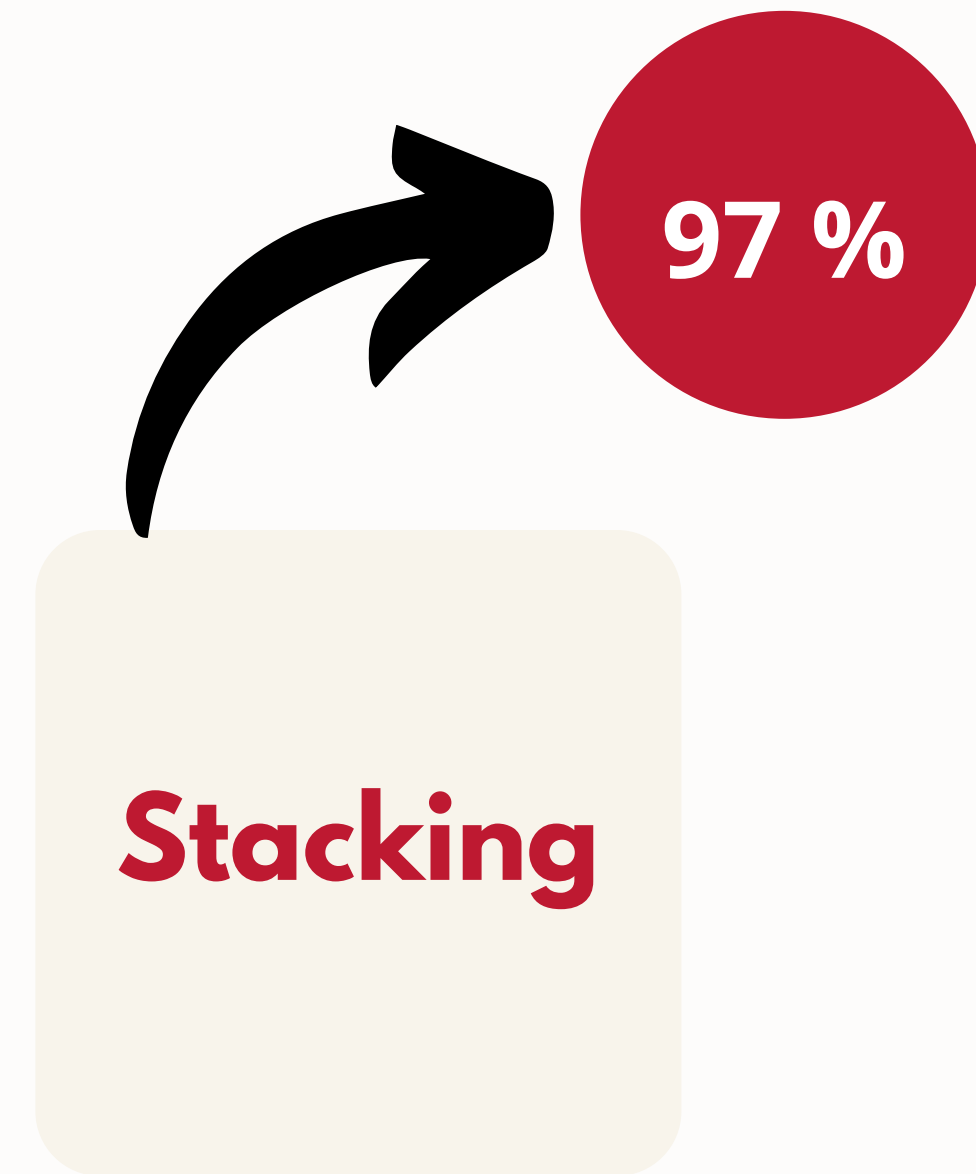
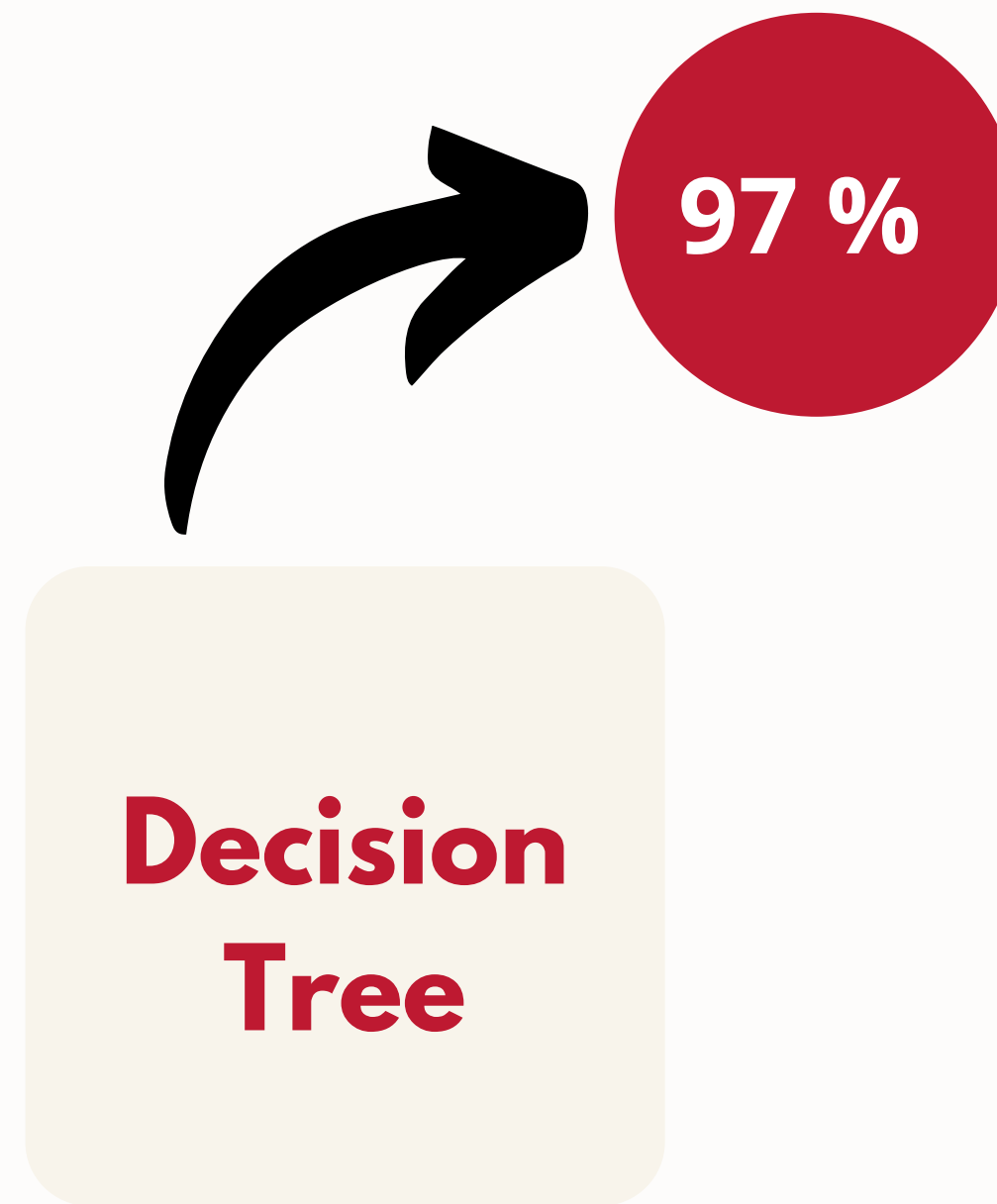


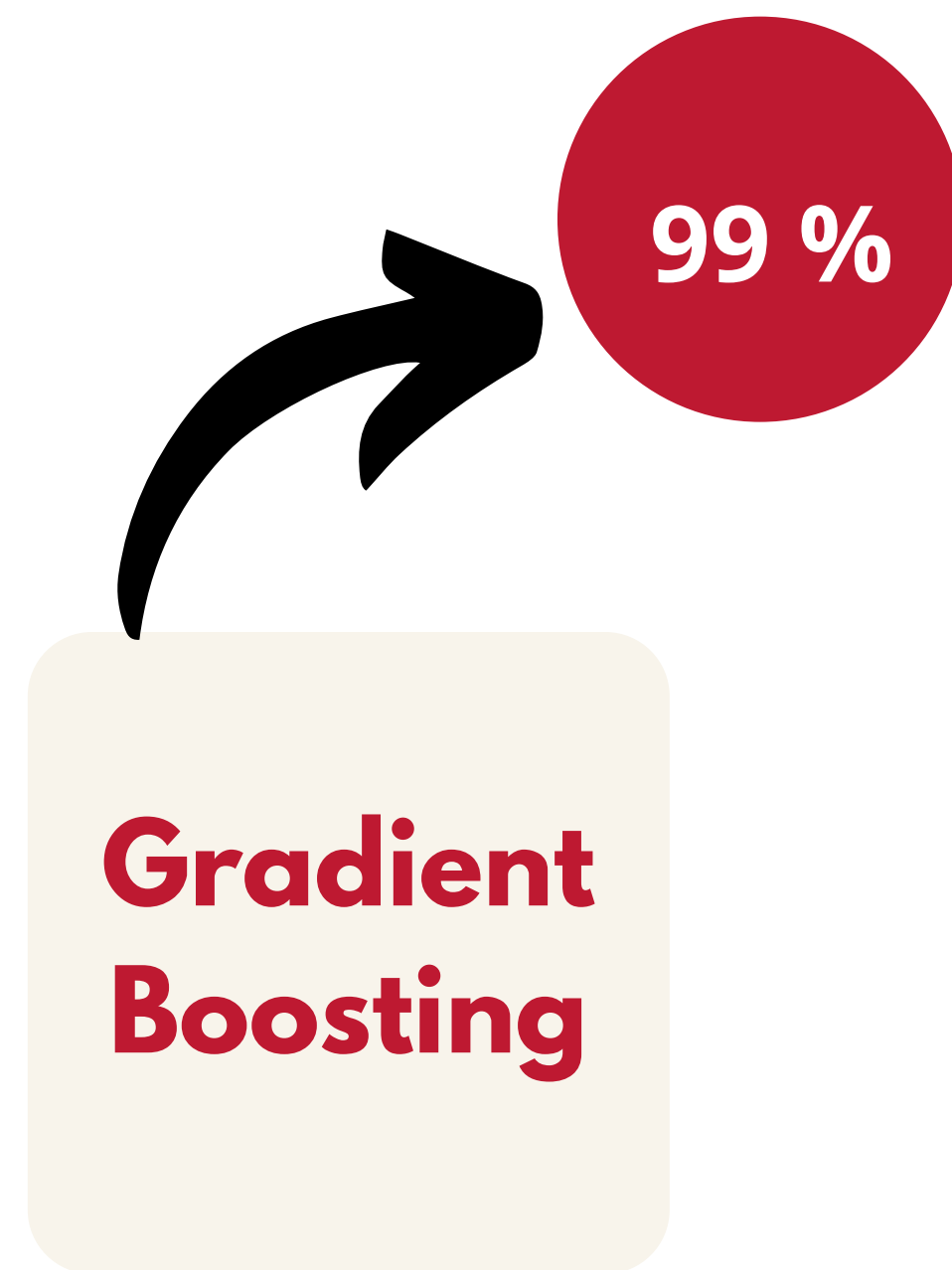
Build
Classification models

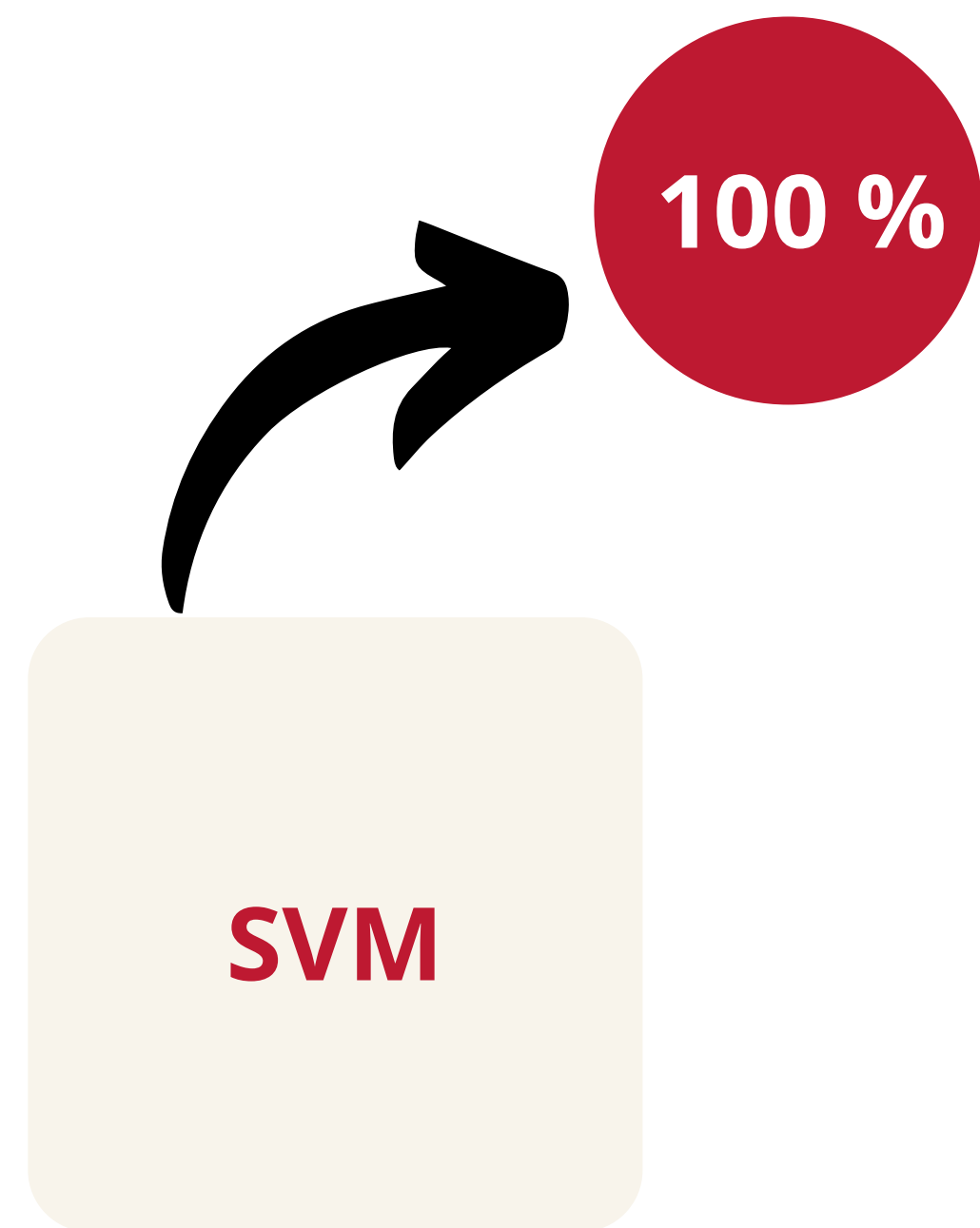
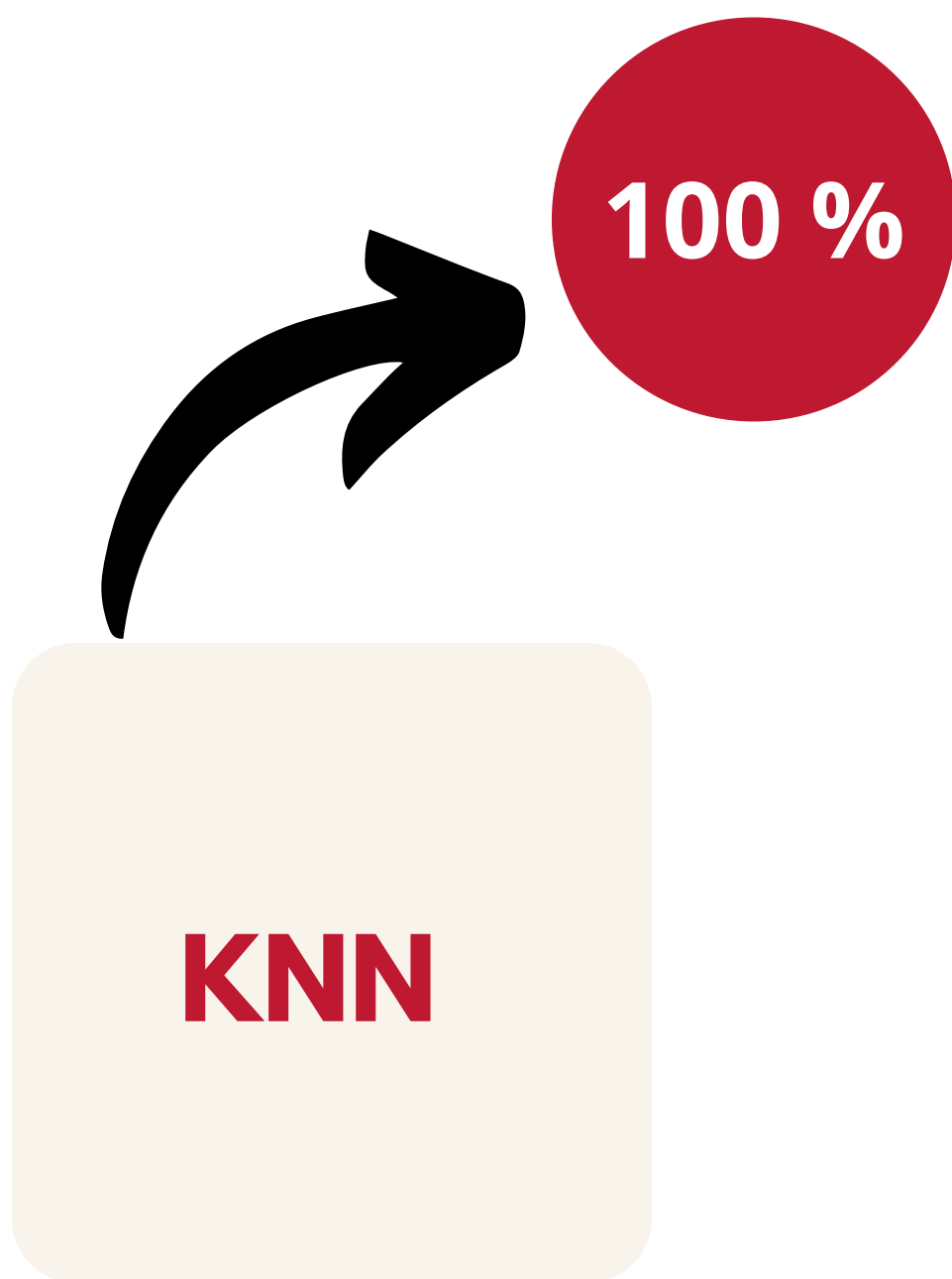


Accuracy





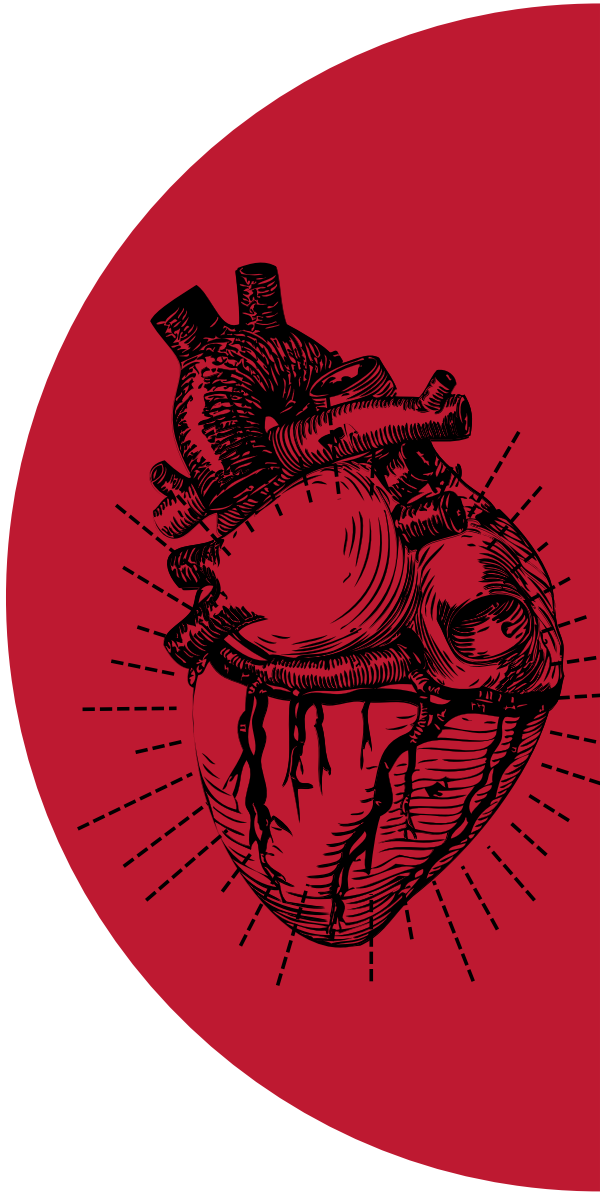




Results

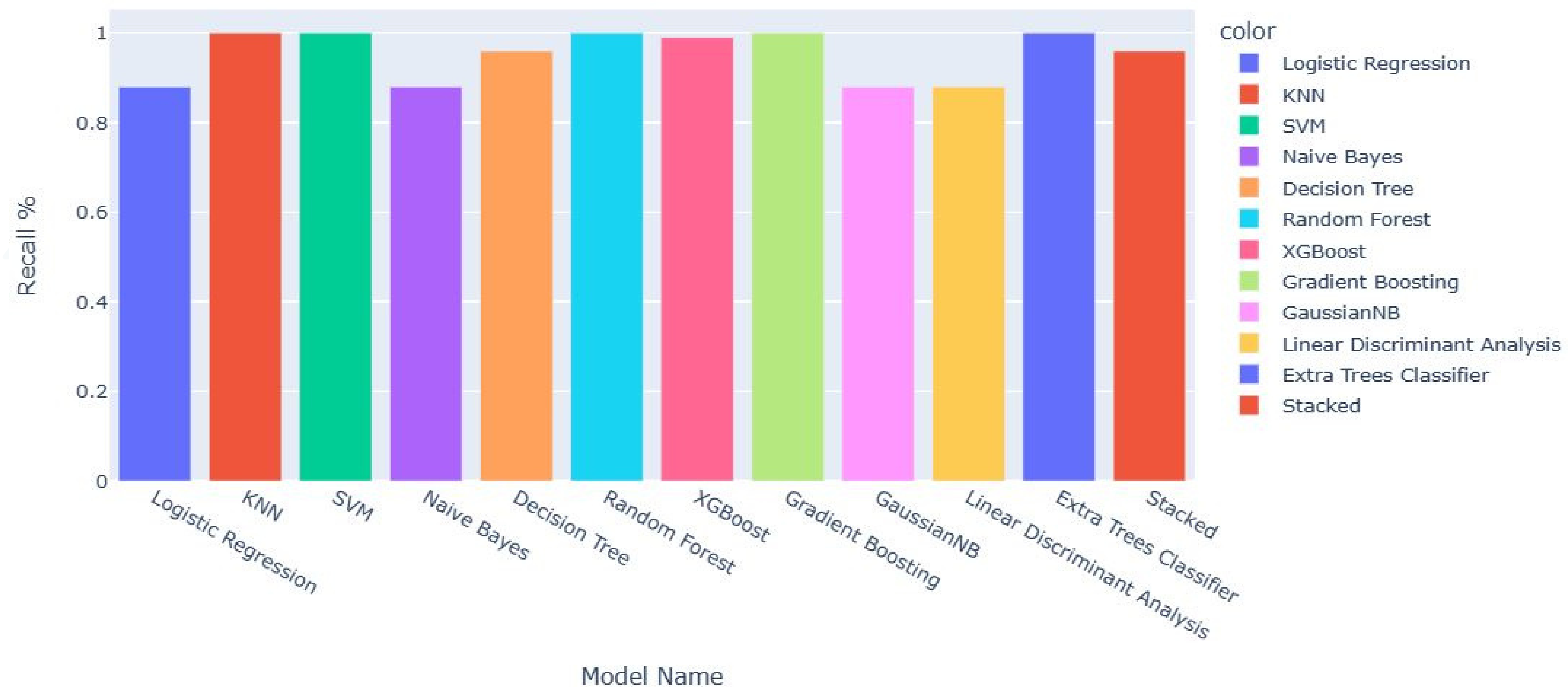


Minimize the number of
false predictions for people
with heart disease



| | | Predicted | |
|--------|------------|------------|---------|
| | | no disease | disease |
| Actual | no disease | TN | FP |
| | disease | FN | TP |

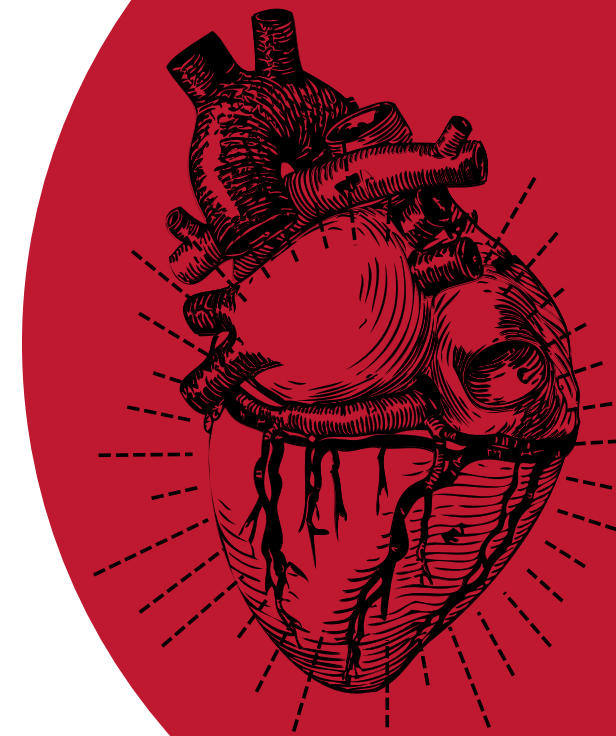
confusion matrix



Future Work



People with a high
risk of heart disease



Thank you..

Any questions?



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data scientist



Hanadi Alshahrani

data scientist



Najd Alqahtani

data scientist