



PROBLEM

Shortage of doctors in South Africa leads to delays in treatment. Patients need faster and accessible healthcare support.

OBJECTIVES

- -Build AI model to predict disease from symptoms.
- -Support healthcare staff.
- -Showcase AI for Business Analysis.

DATASET

- -Symptoms encoded as 0/1 values.
- -Target: Disease.

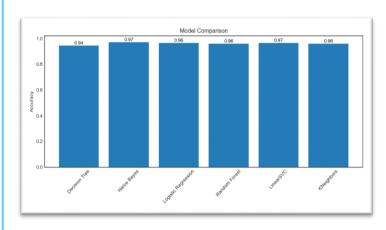
	diseases	anxiety and nervousness	depression	shortness of breath	psychotic symptoms	chest	dizziness	insomnia	involuntary movements	chest tightness	,
0	panic disorder	1	0	1	1	0	0	0	0	1	
1	panic disorder	0	0	1	1	0		1	0	0	
2	panic disorder	1	1	1	1	0	1	1	0	0	
3	panic disorder	1	0	0	1	0	1	1	1	0	
4	panic	1	1	0	0	0	0	1	1	1	

WORKFLOW

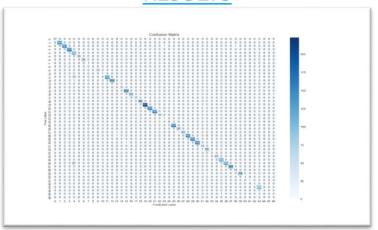
Raw Data→ Cleaning → Encoding → Model Training → Evaluating → Prediction

AIGORITHMS TESTED

- -Decision Tree
- -Random Forest
- -Logistic Regression
- -Naive Bayes
- -LinearSVC
- -KNN



RESULTS



FUTURE WORK

- -NLP, Speech , Chabot
- -Deep Learning(CNNs, LSTMs).

CONCLUTION

Al can assist doctors in early prediction, improving healthcare accessibility.