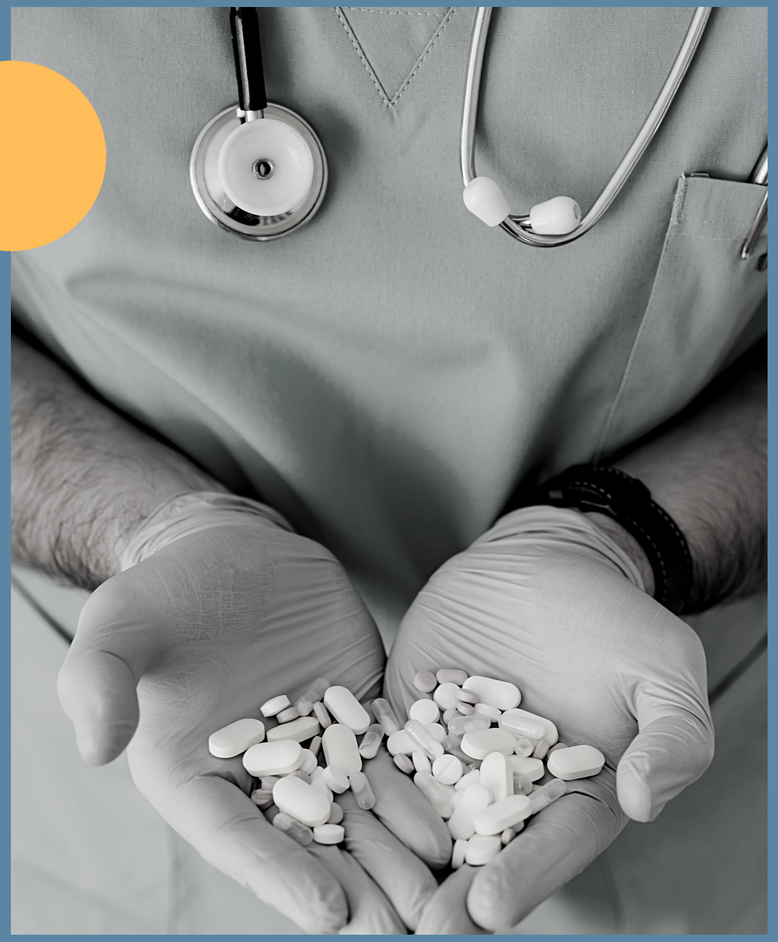


ABINITO HACKATHON

PARKINSON'S DISEASE DETECTION USING ML

Team Nitro
Avinash RC | Jayasurya K | K P RAHUL

TOPICS FOR DISCUSSION

01. Problem Statement

02. What is Parkinson's Disease?

03. Workflow

04. Elaboration of code

Problem Statement

The objective of this project is to build a ML model to accurately **detect** the presence of **Parkinson's disease in** an individual.

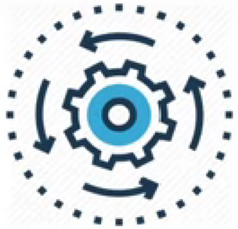
Parkinson's Disease

Parkinson's disease is a brain disorder that leads to shaking, stiffness, and difficulty with walking, balance, and coordination. Parkinson's symptoms usually begin gradually and get worse over time. As the disease progresses, people may have difficulty walking and talking.

WORK FLOW

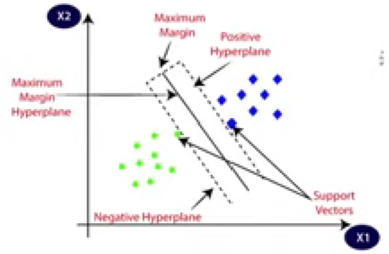
Work Flow

Parkinson's Data



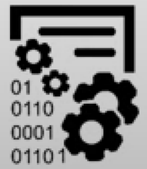
Data pre processing

Train Test split

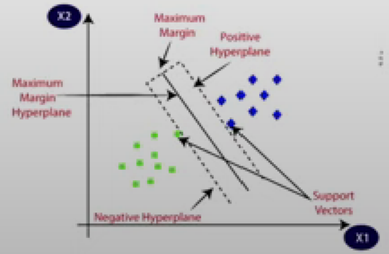


Support Vector Machine Classifier

Trained Support Vector Machine Classifier



New data



Parkinson's
(or)
Healthy

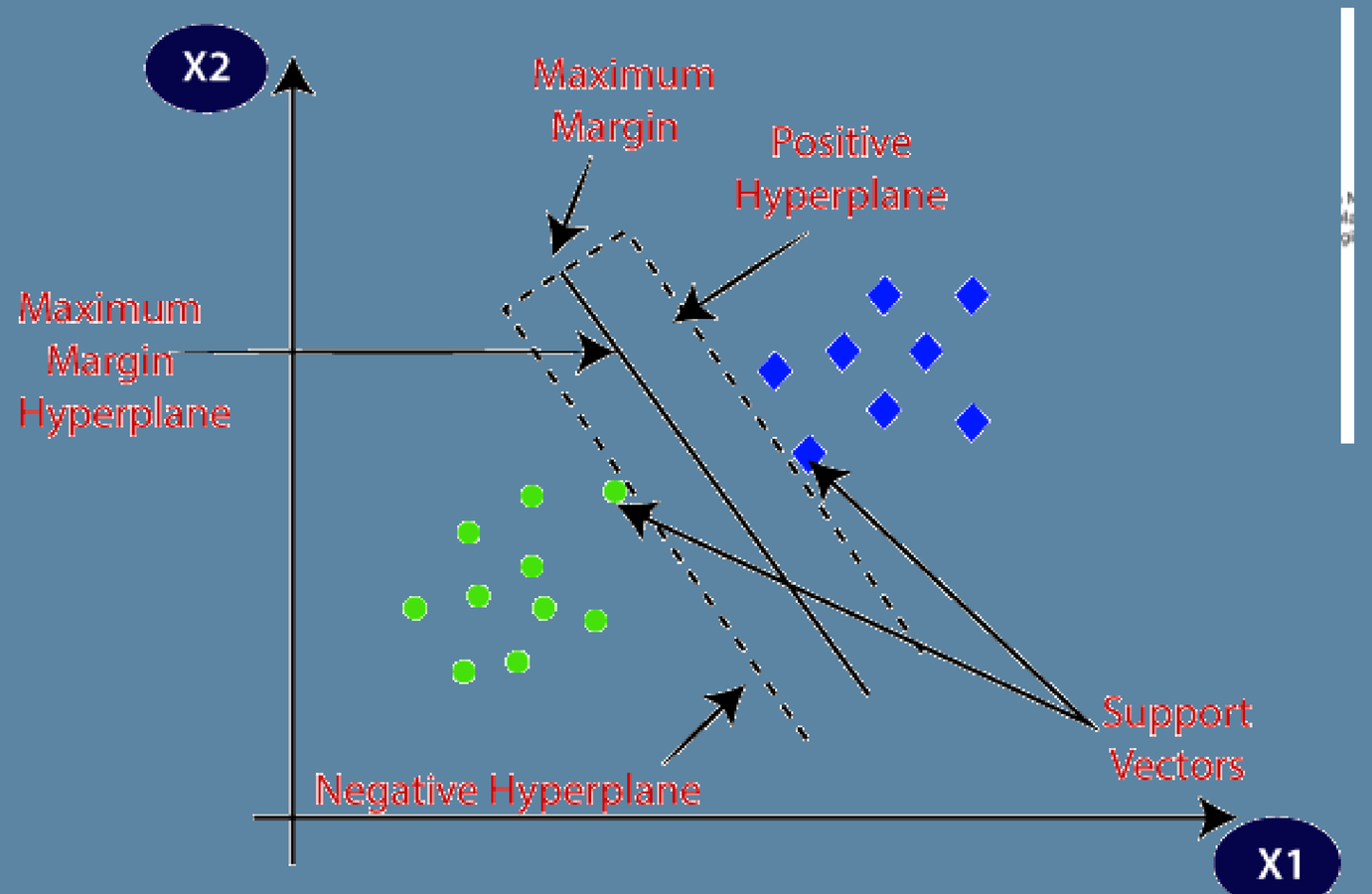
Prediction

Train and Test Split

The train-test split procedure is used to estimate the performance of machine learning algorithms when they are used to make predictions on data not used to train the model.It is a fast and easy procedure to perform, the results of which allow you to compare the performance of machine learning algorithms for your predictive modeling problem.

Support Vector Machine Classifier

SVM is a Supervised Learning algorithms, which is used for Classification as well as Regression problems.



Thank you!