PES UNIVERSITY

Department of Computer Science & Engineering

UE17CS355 – Web Tech II Laboratory

SCARS

Project Title : SCARS- Scalable Charting And Research Service

Project Team :
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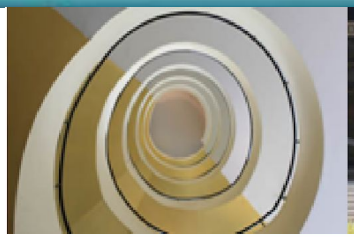





Project Description

- SCARS is a website designed to facilitate exploratory data analysis by allowing training of binary classification models and charting.
- To build this website, React is used for front-end, along with flask for backend and mongoDB for the database. Technologies such as Docker, Materialize, Keras and Plotly are also used.
- Techniques such as RESTful API, Periodic refresh and AJAX patterns are used to improve the user experience of the website.

Technologies Used

1. Web implementation with

React

- Front End Framework

Flask

- BackEnd Framework

mongoDB.

- Databases

Technologies Used

1. For functionality

- Materialize
- Plotly
- Docker
- Keras

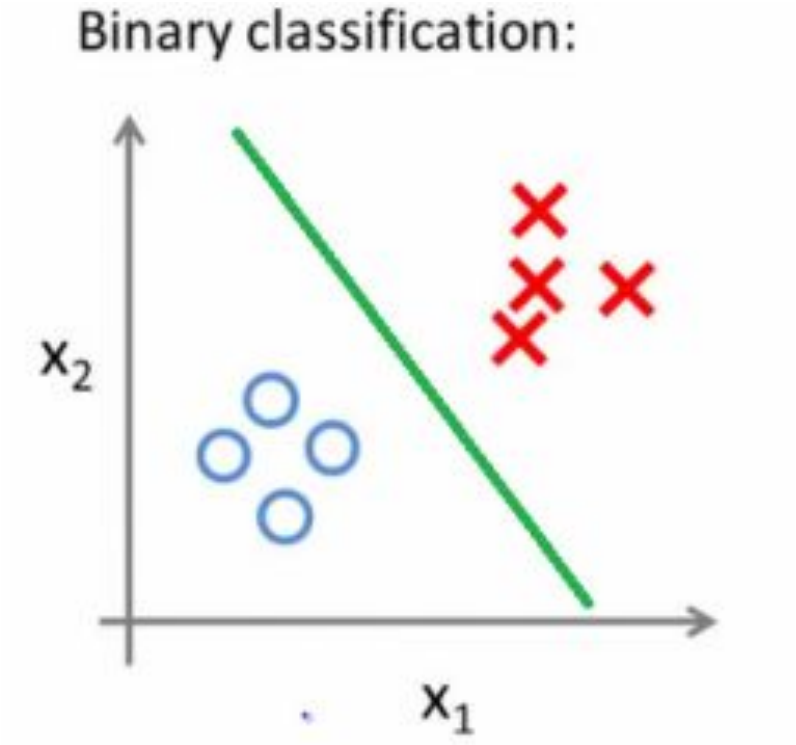
Techniques Implemented

The techniques used in the implementation of the website are:

1. RESTful API
2. AJAX pattern (Used for multistage download in graph rendering)
3. Periodic Refresh

Intelligent Functionality

Being able to train any binary classification model on the backend and charting it to understand it well



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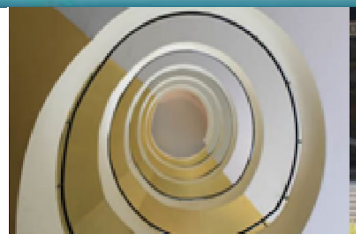

Thank You