Titanic Survival Prediction

Artificial Intelligence -18CSC305J

Section Q1

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PROBLEM STATEMENT

- . The sinking of the Titanic is one of the most infamous shipwrecks in history. On April 15th, 1952, during her
- maiden voyage, the widely considered "unsinkable" RMS Titanic sank after colliding with an iceberg.
- Unfortunately, there weren't enough lifeboats for everyone onboard, resulting in the death of 1502 out of 2224 passengers and crew. In this project, we build a predictive model that answers the question: "what sorts of people were more likely to survive?" using passenger data (ie name, age, gender, socio-economic class, etc).
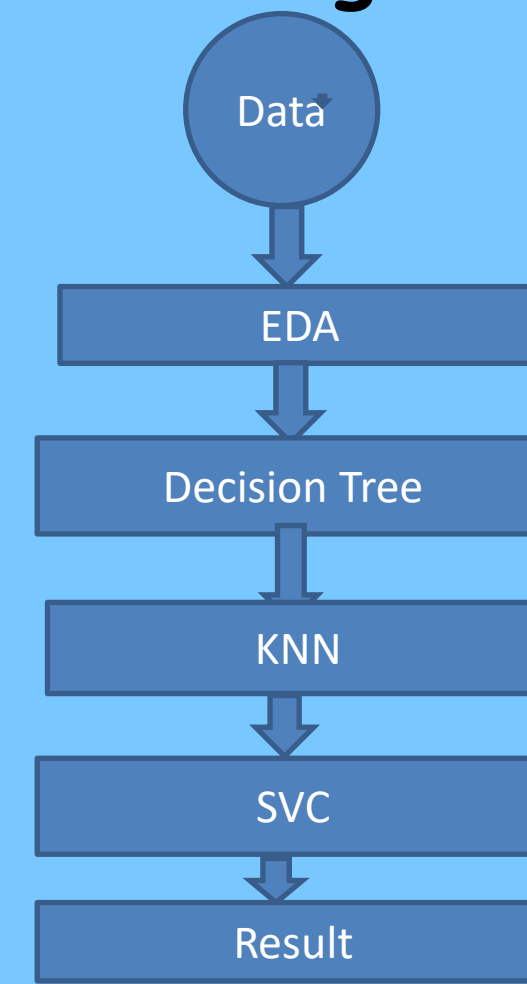
BENEFIT TO SOCIETY

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  It will prevent further mishaps from happening

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  It will help societies to design better ships
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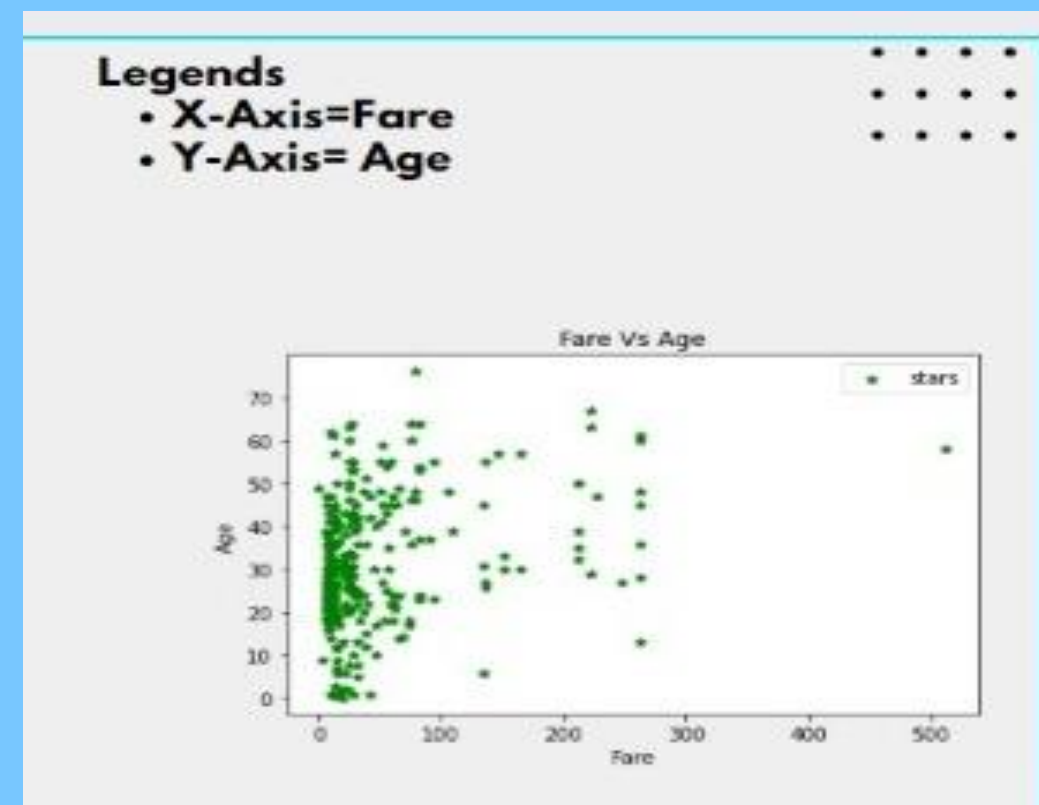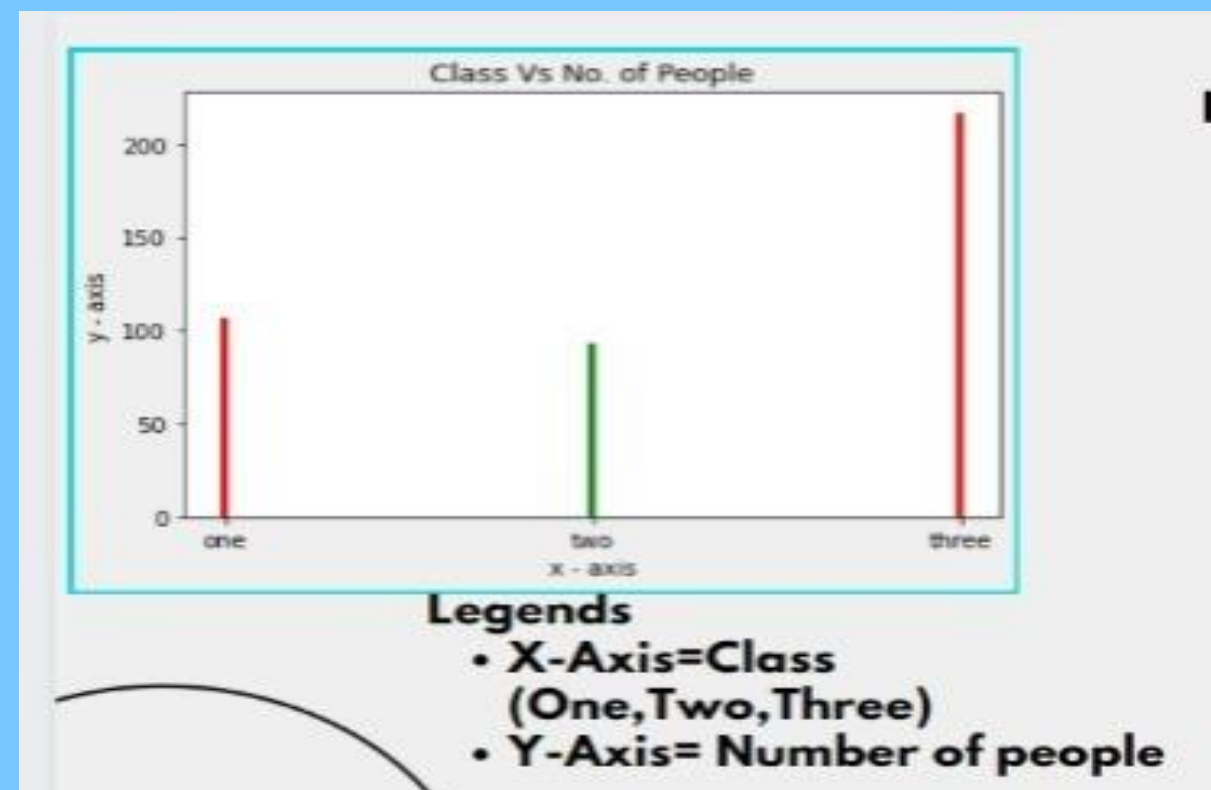 And prevent causes in the working whole performing a task

TECHNIQUES

Tools – Google Colab
 Data and Training
Exploratory Data Analysis ,*Decision Tree Classifiers*,
KNN Classifier ,SVC

Process Diagram

Data

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EDA

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Decision Tree

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KNN

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SVC

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Result

GRAPHS

INFERENCE

Such disasters could be prevented if better engineered

- The possibility of having a greater dataset could largely impact and improve the model efficiency and should be implemented in more advanced algorithms

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FUTURE ENHANCEMENTS

Future enhancement could be that it can be use a better dataset for more algorithms which in turn could help structure the model better

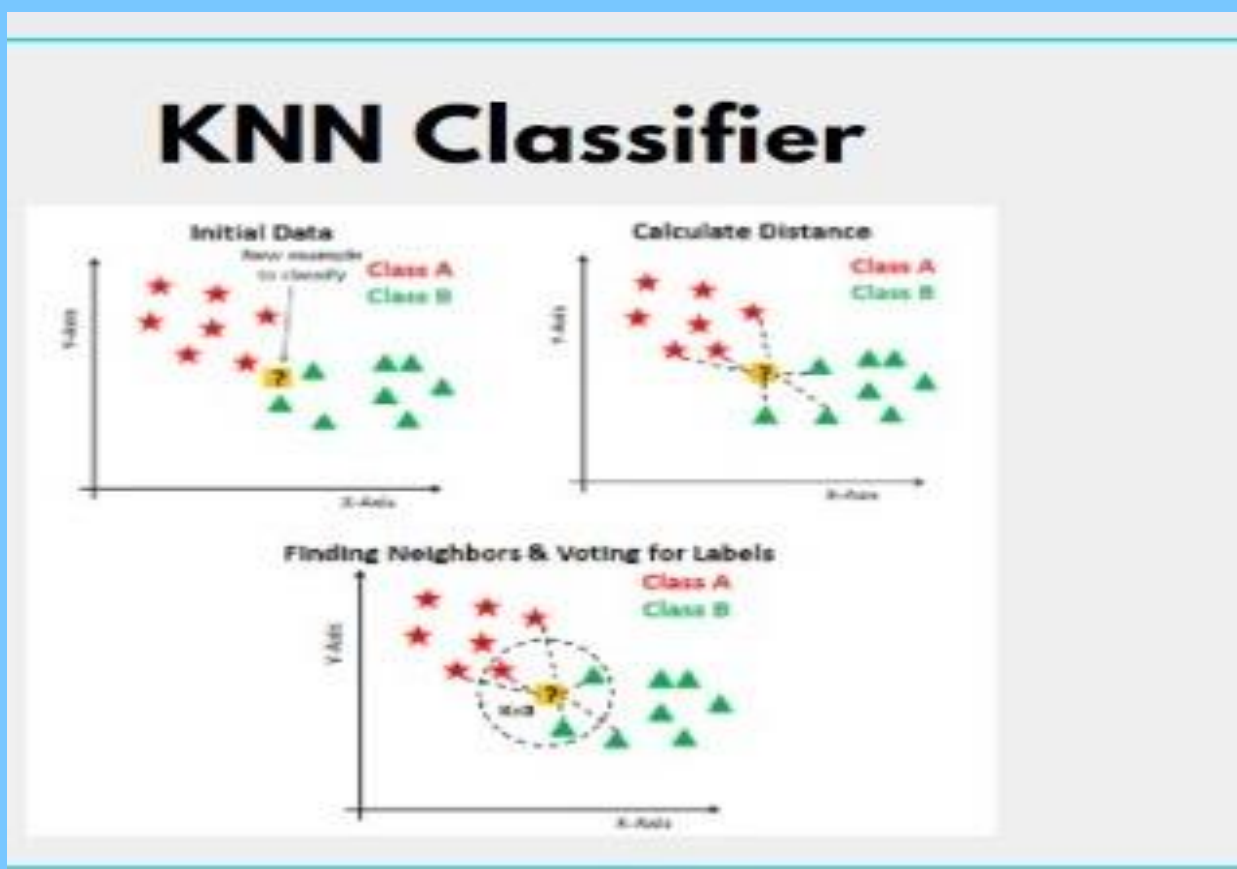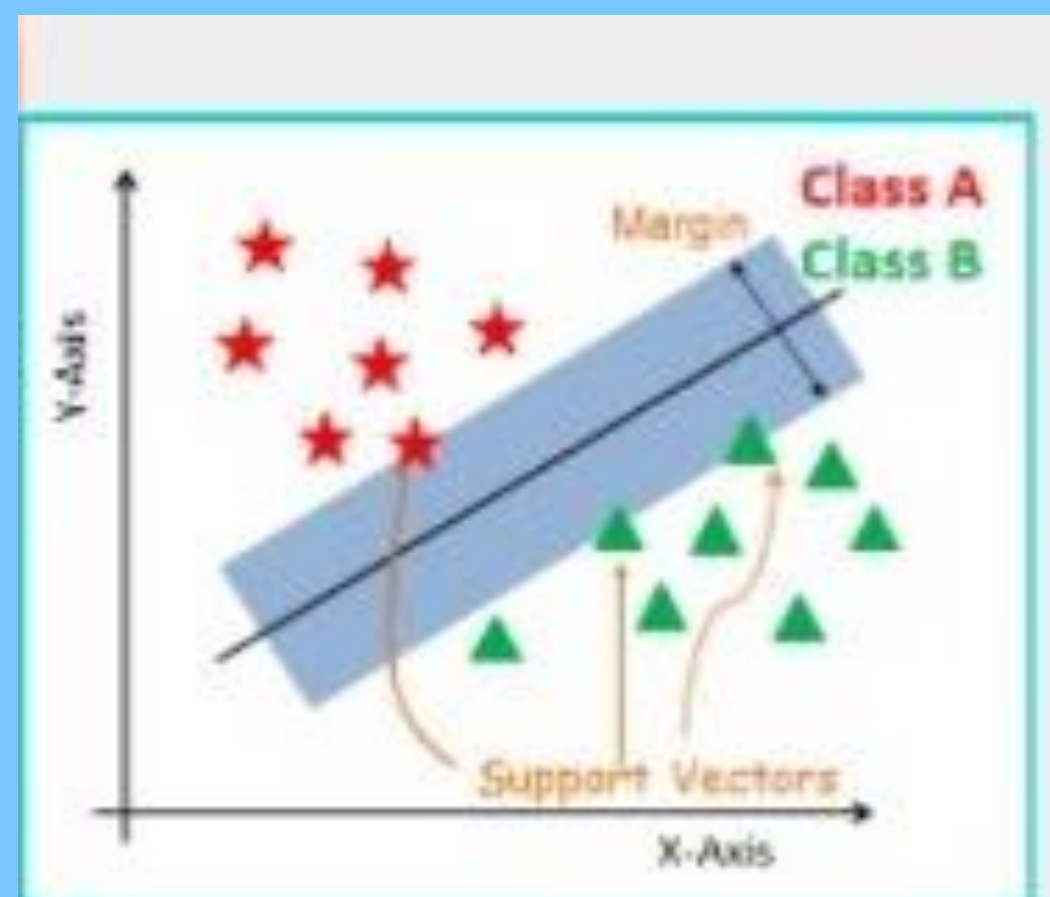It could use neural networks for better and faster output

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Data Set Information and Github Link

Open Source Dataset-

https://www.kaggle.com/datasets/heptapod/titanic

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GitHub Link

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https://github.com/MOHIT-KUMAR-PATIDAR/Titanic_Survival_Prediction

THANK YOU