DSC 680 -PROJECTS

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# ProjectS Details

# Project 1: Twitter Sentiment Analysis

Description: This Python project is designed to analyze datasets related to death rates and suicides, focusing on various demographic factors such as age, race, sex, and Hispanic origin. The goal is to provide insights into the patterns and trends associated with mortality and suicides within different population segments.

Link: <https://github.com/avinashalapati09/portfolio/tree/main/TwitterSentimentAnalysis>

# Project 2: Movie Recommendation System

Description: Recommendation Systems are a type of information filtering systems as they improve the quality of search results and provides items that are more relevant to the search item or are related to the search history of the user.

Link: <https://github.com/avinashalapati09/portfolio/tree/main/MovieRecommendation>

# Project 3: Stock Market Prediction

Description: stock market prediction data science project involves using historical stock market data and various analytical techniques to forecast future movements in stock prices

Link: <https://github.com/avinashalapati09/portfolio/tree/main/StockMarket>

# Project 4: HOUSING MARKET

Description: Predicting the housing market involves considering various factors such as economic indicators, interest rates, population growth, employment rates, and government policies. The Model will give prediction on House Market prices over a period of years.

Link: <https://github.com/avinashalapati09/portfolio/tree/main/HousingProject>

# Project 5: Appointment NO SHOW

Description: [Patients’ no-shows, scheduled but unattended medical appointments, have a direct negative impact on patients’ health, due to discontinuity of treatment and late presentation to care. They also lead to inefficient use of medical resources in hospitals and clinics. The ability to predict a likely no-show in advance could enable the design and implementation of interventions to reduce the risk of it happening, thus improving patients’ care and clinical resource allocation](https://github.com/avinashalapati09/portfolio/tree/main/NoShow)

Link: <https://github.com/avinashalapati09/portfolio/tree/main/NoShow>

# Project 6: Airline Safety Prediction

Description: This project aims to assure the audience about airline safety through a 3-minute presentation, blog post, and executive presentation. The deliverables of this project were ensured through a Power BI dashboard explaining the data behind multiple incidences. Furthermore, this project aims to show how the public can be notified.

Link: <https://github.com/avinashalapati09/portfolio/tree/main/airlinesafetydataset>

# Project 7: Bankruptcy Prediction

Description: The project explains Credit based lending for individual customers based on several factors: credit score, credit age, hard checks.

Link: <https://github.com/avinashalapati09/portfolio/tree/main/Creditrisklending>

# Project 8: CREDIT RISK Lending

Description: The project explains Credit based lending for individual customers based on several factors: credit score, credit age, hard checks.

Link: <https://github.com/avinashalapati09/portfolio/tree/main/Creditrisklending>

# Project 9: Customer Behavior Prediction

Description: The first rule of any business is to retain the existing customers rather than getting new customers. So, most companies target customer retention over customer acquisition.

Link: <https://github.com/avinashalapati09/portfolio/tree/main/CustomerBehaviourPrediction>

# Project 10: Predictive Maintenance

Description: In this project, I am implementing predictive maintenance model, using an example scenario where the goal is to predict failures due to certain components of a machine. The analysis includes feature engineering, feature selection, labelling, training and evaluating this predictive model. Predictive models are built using Python packages.

Link: <https://github.com/avinashalapati09/portfolio/tree/main/PredictiveMaintenance>