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CL 653

Machine Learning for Plant Investment Analysis

The goal of this project is to develop a machine learning model that can accurately predict the viability of opening a chemical plant based on various factors few of which are the size of the plant, location, market demand, production costs. The model will be trained on a dataset containing information on past chemical plant investments and their outcomes. By analyzing this data and developing a predictive model, investors can make informed decisions about whether to invest in chemical plant projects or not. The project will involve data cleaning and preprocessing, exploratory data analysis, and the training and evaluation of machine learning models. The final model will be tested on a separate test dataset to assess its accuracy and effectiveness in predicting the likelihood of a chemical plant investment being profitable or not.