

Human Resource Dataset: visualization, analysis, and prediction

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O1 Introduction

Introduction



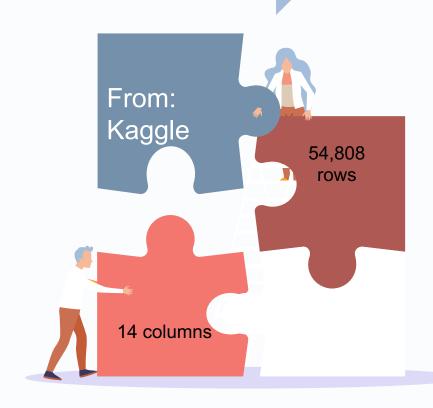
HR department is not excluded from getting advantage of predictive modeling Like other sector e.g., retail, banking, forecasts can help the organizations for cost reduction when they knew who employee will promoted or no.

Dataset

02



Dataset

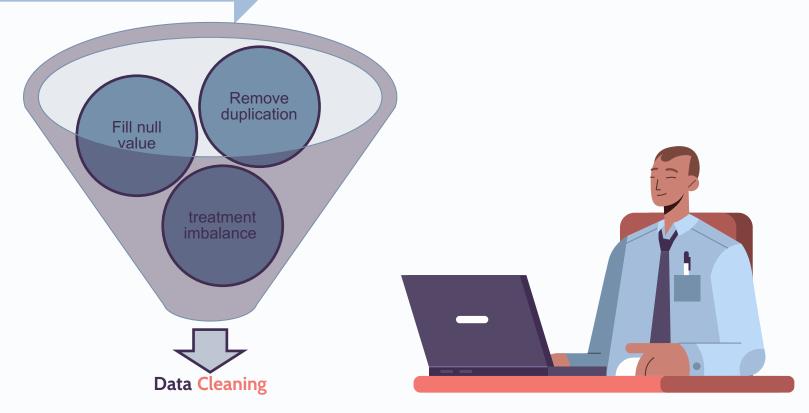




03 Data Cleaning



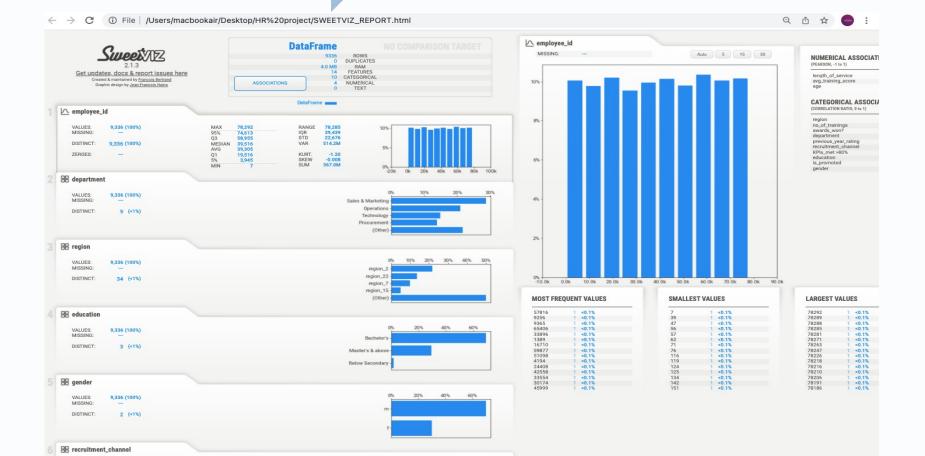
Data Cleaning



Exploratory DataAnalysis (EDA)



Exploratory Data Analysis (EDA)

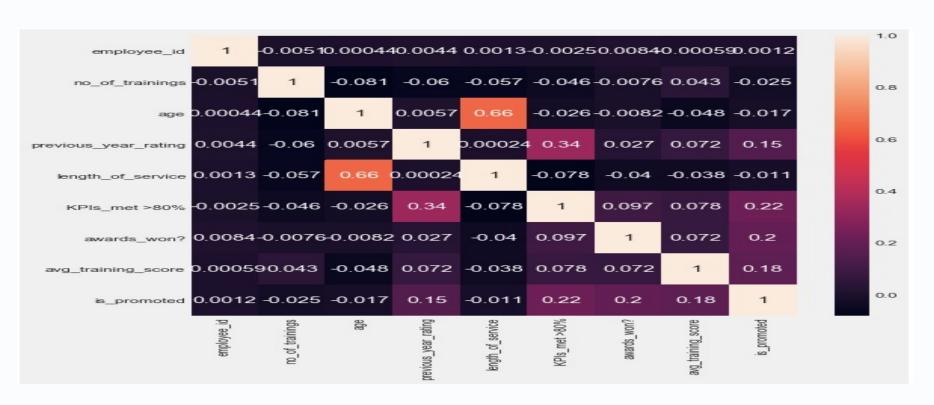


Exploratory Data Analysis (EDA)



Exploratory Data Analysis (EDA)

What is the correlation between the features?



Modeling

05



Machine Learning Model



Support Vector Machine

Random Forest classifier

Neural Network

Machine Learning Model

Neural Network

Train score:0.7

Test score:0.6

Random Forest classifier

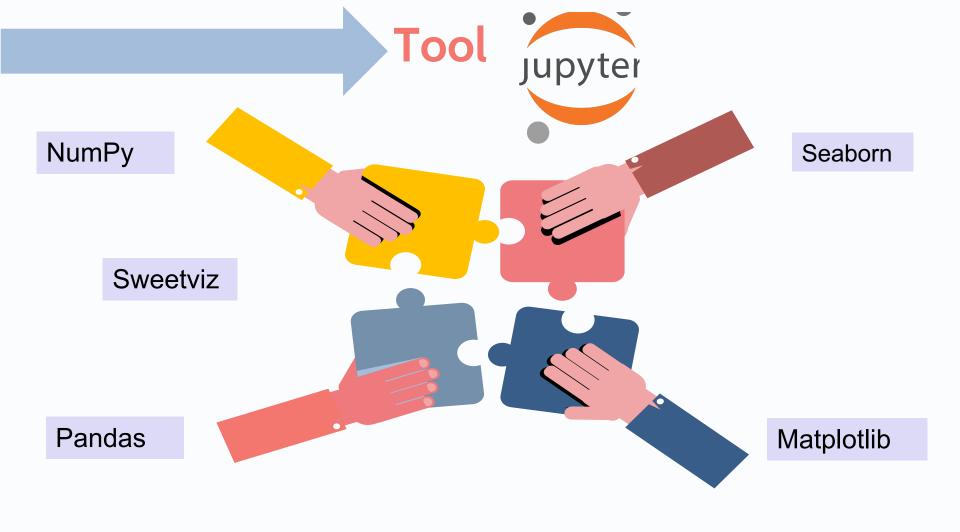
Train score: 0.89

Test score:0.58

Support Vector Machine

Train score: 0.51

Test score:0.50



Thank you for your time



Any Questions?



