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Link to GitHub Repository:
https://github.com/justindavin/DataGlacierInternship/tree/main/Week9

Problem Description

One of the challenges for all Pharmaceutical companies is to understand the persistence of drugs as per the physician's prescription. the persistency of a drug may be defined as "the extent to which a patient acts in accordance with the prescribed interval, and dose of a dosing regimen." Medication persistence refers to the act of continuing the treatment for the prescribed duration.

Models Used

The machine learning models that will be used in this project are the GaussianNB, Logistic Regression, Support Vector Machines (SVM), Linear Support Vector Classification (LSVC), Perceptron, Decision Tree Classifier, Random Forest Classifier, K-Nearest Neighbors Classifier, Stochastic Gradient Descent (SGD) Classifier, as well as Gradient Boosting Classifier. All these machine learning models will be evaluated using the accuracy metric, the F1-Score, as well as the confusion matrix. With the confusion matrix, the precision and recall can also be calculated.

Data Intake Report

Name: Healthcare Industry
Report date: December 30th, 2022
Internship Batch: LISUM14
Version: 1.1
Data intake by: Alireza Samadifardheris and Justin Lee
Data intake reviewer: Alireza Samadifardheris and Justin Lee

Data storage location:
https://docs.google.com/spreadsheets/d/1P_oMc6gOBlhw6dY5PxaqxV2swdHMUooK/edit#gid=
2047360270

Tabular data details:

Total number of observations	3424
Total number of files	
Total number of features	69
Base format of the file	.xlsx
Size of the data	900 KB

Note: Convert this doc in pdf and provide the link of pdf file in your dashboard.
  Please do not forget to remove this section while converting the file into pdf.