Name	Email	Country	College	Specialization
Shradhanjali Pradhan	edu.shradhanjali@gmail.com	USA	Boston University	MSc in Applied Data Analytics

HEALTHCARE - PERSISTENCY OF A DRUG

Business Context: Pharmaceutical companies, including ABC Pharma, are facing challenges in understanding the persistency of their medications as prescribed by physicians. To gain deeper insights, ABC Pharma is turning to data analysis to explore factors that influence whether patients adhere to their prescribed treatment plans.

Problem Statement: ABC Pharma has approached OpenML to conduct an analysis aimed at identifying key factors that affect the persistency of their drug. The objective is to determine, based on patient information, whether a patient is likely to adhere to the physician's prescription and continue taking the drug for the entire prescribed duration. A dataset containing patient details has been provided for this analysis.

Business Objective: The client, ABC Pharma, seeks to develop a predictive model that can forecast whether a patient will follow the prescribed treatment regimen for a specific drug. Since the goal is to classify patients based on their likelihood of adherence, a classification model will be built.

Solution Goal: The project aims to develop a web application that ABC Pharma can use to predict, based on patient data, whether a patient will adhere to the prescribed drug schedule.

Project Timeline: The project will follow a structured lifecycle, with deadlines to be defined based on each phase of the development process.

PROJECT DEADLINES:

Task	Week
Problem understanding, Data Understanding	September 1st
Data Cleaning, EDA and Feature engineering	September 10th
Model development, selection, evaluation, metrics	September 20th
Deploy the model and explanation (Final presentation)	September 30th

Project Submission deadline: **October 10th**

DATA INTAKE REPORT

Name: Healthcare project – Drug Persistency
Internship Batch: LISUM34
Version: 1.0
Data intake by: Shradhanjali Pradhan
Data intake reviewer: OpenML team
Data storage location: local

Tabular data details:

Total number of observations	3424
Total number of files	1
Total number of features	69
Base format of the file	xlsx
Size of the data	920 KB

GITHUB REPO: https://github.com/shradhanjalipradhan/HEALTHCARE---PERSISTENCY-OF-A-DRUG