Data Science HealthCare Project

Drug Persistance

By : Sourour Cherif

Mail : Sourour.cherif@esprit .tn

Data Science Engineering Student

Esprit Tunisia

Problem description

ABC Pharma is looking for an automated way better than the traditional debilitating methods currently used to assess persistence of drugs as per the physician prescription, in order to have a deeper understanding on the factors impacting the persistence of their drug. The aim is to know if a patient, based on his/her information, will follow the prescription of the physician and continue taking the drug for all the treatment time. We have been provided with a dataset which contains patients' details.

Business understanding

We will create a classification model as a solution that divides patients into categories depending on their information, to determine if a patient was persistent or not.

Our goal is to create a web application that might be used as an automated solution to this process of identification.

Project Lifecycle along with Deadline

The entire project, including all requirements, must be submitted by **the 30th of August 2022** . The project has been split into several subtasks .
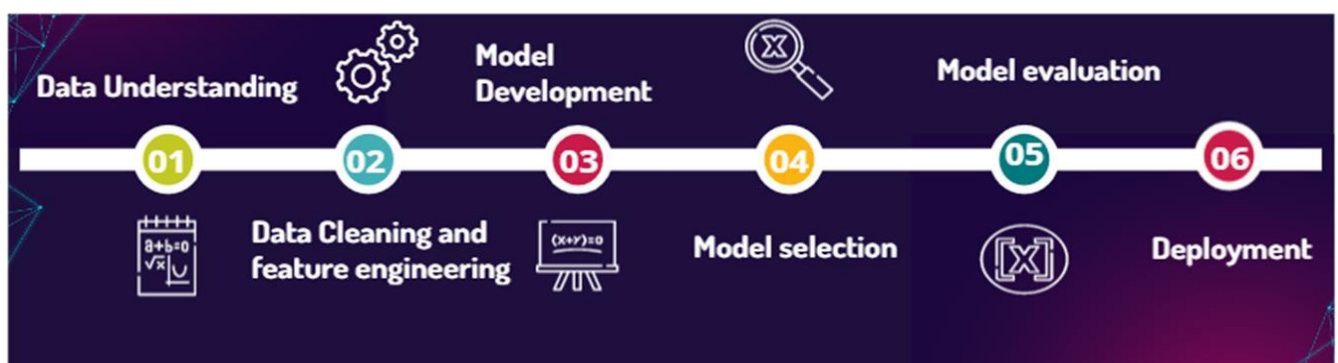

Figure 1 : Project Lifecycle

Data Intake Report

Name: Persistency of a Drug

Report Date: 09/08/2022

Internship Batch: LISUM10: 30

Data Intake: Sourour Cherif

Data Storage Location: https://github.com/Sururrrr/Drug_Persistance.git

Tabular Data Details: Healthcare_dataset.xlsx	
Total number of Observations	3424
Total number of File(s)	1
Total number of Features (Independent Variables or Predictors)	68
Base format of the File	.xlsx
Size of the dataset	899 KB