

Data Science Project: Healthcare: Persistency of a Drug

Name: Vidya Ganesan

E-mail: vidyaganesan15@gmail.com

Country: UAE

Specialization: Data Science

1. Problem Description

One of the challenges for all pharmaceutical companies is to understand the persistency of drug as per the physician prescription. With an objective to gather insights on the factors that are impacting the persistency.

2. Business Understanding

The challenges for the pharmaceutical companies are to understand the purpose of the drugs as per the physician prescription. The pharmaceutical company should provide the drug according to the indication of the persistency flag provided by the physician. The persistency flag is mostly based on clinical flags and treatment flags. We will analyze the need of drugs according to the flag indication. We will use some techniques in machine learning to obtain our end result.

3. Data Understanding

The given dataset is of excel(.xls) format. I imported the data set in the python notebook as pandas data frame using the python library pandas.

The file contains two subfiles one with the data features and the other with the dataset which we should analyse the data. From the data we understood the target is the persistency flag and the remaining attributes are in feature.

GitHub Repo link

<https://github.com/vidya-ganesan/Healthcare-Persistency-of-drugs>