

Group Name: Attack on Data

Team Members:

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Problem description

One of the challenges for all pharmaceutical companies is to understand the persistency of drug as per the physician prescription. To solve this problem ABC pharma company approached an analytics company to automate this process of identification.

Business understanding

What does persistence of drug mean? It may be defined as "the extent to which a patient acts in accordance with the prescribed interval, and dose of a dosing regimen."

Several studies have shown that lower levels of adherence and more specifically poor persistence with treatment are associated with higher healthcare costs, poorer health outcomes and lower patient quality of life and satisfaction, as well as increased disease prevalence and relapse. So predicting persistence of drug can benefit healthcare ecosystem.

Project lifecycle along with deadline

- Data Cleaning
- Intervals of:
 - Feature Engineering
 - Feature Selection
 - Model Development
 - Model Selection
 - Model Evaluation
- Choose the best model
- Deploy model

Data Intake report

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	899 KB

Github Repo:

https://github.com/Arminkhayati/dataglacier_internship