Group Details:

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Problem Description:

To understand the persistency of a drug as per the prescription given by the physician is an important question faced by the pharmaceutical companies. The problem here is to build a classification model to understand the persistency (persistent or not) of a drug for the given dataset.

Business Understanding:

The act of continuing the treatment for the prescribed duration is called persistence. The success of any treatment is defined by taking proper medicines on time for prescribed time. The failure of this would lead to the adverse health effects and increased healthcare expenditure. In order to understand the persistency, the pharmaceutical companies would need help with automating the identification process of the persistent patients.

Project Lifecycle:

Phase	Stages	Deadline
Initiation	Problem understanding	19-07-2022
	Data Understanding	26-07-2022
Planning & Executing	Data Cleaning and Feature engineering	02-08-2022
	EDA	09-08-2022
	EDA Presentation and proposed modeling technique	16-08-2022
	Model Development	23-08-2022
Monitoring & Controlling	Model Selection	23-08-2022
	Model Evaluation	23-08-2022
	Report the accuracy, precision and recall of both the class of target variable	23-08-2022
	Report ROC-AUC as well	23-08-2022
Closing	Deploy the model	23-08-2022
	Explain the challenges and model selection	30-08-2022