CSE 445
Project Idea

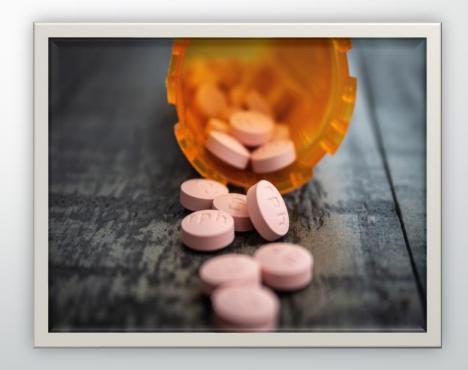Name : Md. Mukith Al Alim

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Sec : 03

Predict Patient's Medical Condition
Based on Drug Review

In the field of medicine, reviews made for particular drugs play an vital role as they can help in monitoring its adverse reactions and identify an overall impression of the drug among its users.

we will analyze reviews made by various patients for specific drugs on different pharmaceutical review sites and predict **Medical Condition,** the medicine is being used to treat.

Algorithms :

- Naive Bayes
- Logistic Regression
- Random Forest

Dataset :

We will use the [UCI ML Drug Review](#) dataset from Kaggle.

The dataset provides patient reviews on specific drugs along with related conditions and a 10-star patient rating system reflecting overall patient satisfaction. The data was obtained by crawling online pharmaceutical review sites. The dataset consists of over 200k medicine reviews along with 7 columns .

Expected Result :

Predicting medical condition from reviews is a very challenging task.

- We will try to solve this challenging problem of predicting medical condition using reviews on the drugs made by the consumers using Statistical Machine Learning Classifiers.

- We will use multiple algorithms and compare the accuracy score. We expected higher accuracy for each algorithms.