DRUG RECOMMENDATION USING REVIEWS

Project batch number: CSEMPBNUM_H10

ABSTRACT

Analyzing the Drugs Descriptions, conditions, reviews and then recommending it using Deep Learning Models, for each Health Condition of a Patient.

Drug Review Dataset. Teams are free to let their creativity run and propose methods to analyze this dataset and form interesting machine learning models.

Machine learning has permeated nearly all fields and disciplines of study. One hot topic is using natural language processing and sentiment analysis to identify, extract, and make use of subjective information. The UCI ML Drug Review 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. This data was published in a study on sentiment analysis of drug experience over multiple facets, ex. sentiments learned on specific aspects such as effectiveness and side effects.

I've personally struggled with cystic acne and I know how important it is to be aware of the medicine one is using and what can be the outcome, without having to read over hundreds of reviews. In this personal project I worked on UCI ML medical data, which contained various reviews over different types of medicines for different conditions. I classified the reviews using sentiment analysis and Harvard emotional dictionary into positive or negative, on this basis I score the relevant medicine. The algorithm then ranks the medicine with highest rating for the condition and recommends it to the user.

S.no	PIN Number	Name of the student.	Name and Signature of project guide
1	2210316814	G.S.S.SRI HARSHA	
2	2210316821	K.TANMAI REDDY	
3	2210316815	G.SAI GOPI	
4	2210316847	P.PAVAN KUMAR REDDY	