Model 1 Overview

Recommendation System Using Similarity Matrix

For model 1 I am building a recommendation engine using Similarity Matrix. The dataset I am using is the movie dataset.
The goal is to use the different text columns available in the dataset to build a similarity matrix using NLP.
The recommendation system like this one can be used for streaming services. Other real world use case can be food delivery app, restaurant recommendation, etc.
For this system I will use hit rate to measure its accuracy. Which could be measured once the system is deployed.
So if I am a user, I watch three movies, for those three movies recommendation engine recommends a few movies. Of those recommended movies if I click on only 1. Hit rate would be 1/3 =33%. Now this would be extrapolated for all users and all the hits to calculate the hit rate of recommendation engine. The formula is (number of hits)/ (number of queries) *100.