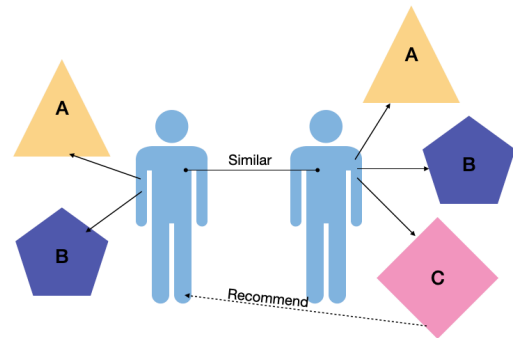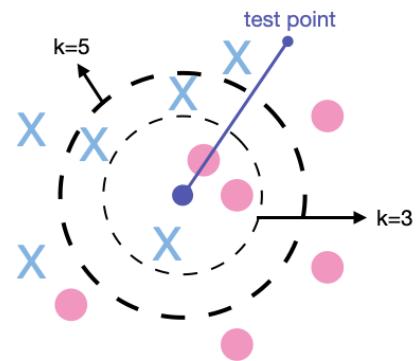# Movie Recommender System Project

INTRO

Recommender System is one of the most popular data science applications. It's widely used and extremely helpful! And it can be applied for many ideas with variety of applications. Basically, it predicts or offer services/products to the users/customers, which can be done based on their past purchase, browsing history, or their type/classification.
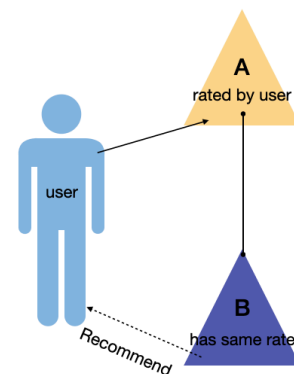

METHOD

The system will employees a machine learning algorithm, to predict the movie, which the user may like based on the movies similarities and attributes (its: ID, title, rating, released year, genres). Along with using the content-based filtering of recommender systems and the KNN classifier model that classifies k number of near neighbors to be on the same category.

RESULTS

• Extracting more 20 features from the dataset to increase the prediction accuracy level. They became 26 features instead of 6.

• The accuracy score of the KNN classifier beat the baseline accuracy score by 48%.

• If there were more info about the movies (actors, directories, etc…), the accuracy of the classifier may increased.

LINKS

• GitHub Repository
• Data Source
• Medium Blog
• Presentation

TECHNOLIGIES

Shaikha AlBilais
Data Science Bootcamp Trainee