Term-3-Personalisation-and-Machine-learning-Mini-Project

Brief: Using an existing dataset, try and improve the quality and accuracy of recommendations using a machine learning approach.

Dataset used:

Movie Lens Small Latest Dataset

https://www.kaggle.com/datasets/shubhammehta21/movie-lens-small-latest-dataset

We will inspect three models of recommendations

Content filtering recommendation

Collaborative filtering recommendation

Hybrid recommendation

To honestly evaluate the accuracy, the same movie dataset needs to be measured in all forms of models available; due to my restrictions on recommender model creation, the below are basic versions.

Link to Jupyter notebook: https://git.arts.ac.uk/21035961/Term-3—Personalisation-and-Machine-learning—Mini-Project/blob/main/Term%203%20-%20Personalisation%20-%20Mini%20Project/Recommender%20-%20Quality%20and%20Accuracy.ipynb

Submission:

Github: https://git.arts.ac.uk/21035961 (All lectures have been added as collaborators)

Notebook - JupyterNoteboook and PDF

Word document and PDF Report - Report - PDF version