Instructions to Run Code and Google Drive Link

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Instructions to run code:

1. The entire project was run using Python 3

2. Packages to install
    a. pandas
    b. numpy
    c. scipy
    d. statsmodels
    e. matplotlib

3. The dataset files are in the dataset folder which includes data.csv, genre.csv, item.csv, movie.csv, occupation.csv, user.csv.

4. The python notebooks
    Recommendation System UPCSim Train 1.ipynb,
    Recommendation System UPCSim Train 2.ipynb,
    Recommendation System UPCSim Train 3.ipynb,
    Recommendation System UPCSim Train 4.ipynb and
    Recommendation System UPCSim Train 5.ipynb
    contain the code for the five fold training of the UPCSim algorithm based on Cosine Similarity and Pearson Correlation Coefficient.

5. The python notebooks
    Recommendation System UPCSim using Jaccard Train 1.ipynb,
    Recommendation System UPCSim using Jaccard Train 2.ipynb,
    Recommendation System UPCSim using Jaccard Train 3.ipynb,
    Recommendation System UPCSim using Jaccard Train 4.ipynb and
    Recommendation System UPCSim using Jaccard Train 5.ipynb
    contain the code for the five fold training of the UPCSim algorithm based on Jaccard Similarity.

6. The python notebook Graphs.ipynb contains the code for generating the graphs for comparing results.

7. The pics/ folder contains all the graphs generated by Graphs.ipynb and flowchart diagram explaining the algorithm.

Google Drive Link for Code :

https://drive.google.com/drive/folders/1P_QzpwPpaxB0gbq6zUvEzJg3CU_CMOA0?usp=sharing