\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* **README** \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

The code consists of 6 .R files and 1 .py file which contains the entire code.

Rest there are csv files which contains intial dataset as well as intermediate results.

1. **PAM.R** :- Contains *implementation* of PAM Recommender System

Input file : user.user(demographic data), train, test

Outpt file : output1level.csv

1. **recom.R** :- contains code of UBCF, IBCF, POP & Random

Input file : ratings.data

Output file : Output1level.csv

1. **content.R** :- Contains implementation of Content based Recommender system

Input file : movie.item (genre data), movie-similarity.csv, train.csv, test.csv

Outpt file : genres.csv, output1level.csv

1. **content similarity.py** :- computes movie similarity based on genres

Input file : genres.csv

Output file : movie-similarity.csv

1. **different combo.R** :- Code of various ensemble models for 1st level stacking

Input file : output1level.csv

Output file : output2level.csv

1. **2nd level.R** :- Code of ensemble models using all base learners for 1level arch.

Input file : output1level.csv

Output file : output2level.csv

1. **final level.R** :- Code of ensembles for 2nd level stacking for 2level arch.

Input file :- output2level.csv

Output file :- final output.csv

In all these files, location of dataset while importing is absolute. So please change location of data when trying to run this code.