Dataset details

You will be using the ml-m1 dataset from the MovieLense website.

Dataset: https://grouplens.org/datasets/movielens/1m/

You will be using movies.dat and rating.dat for building your recommender.

Steps:

- 1. Create m x u matrix with movies as row and users as column 10 points
- 2. Normalize the matrix 2 points
- 3. Compute SVD to get U, S, and V. 4 points

Use np.linalg.svd()

- 4. From your V.T select 50 components 4 points
- 5. Implement a function that takes movieID as input and then implement cosine similarity along with sorting to recommend the top 10 movies. 10 points