Pixie-Inspired Movie Recommendation System

This project builds a movie recommendation system based on Pixie-inspired random walk algorithms.

Objective

To recommend movies similar to a given title by simulating random walks over a user–movie bipartite graph, inspired by Pinterest's Pixie engine.

Files Included

- `Movie_Recommendation.ipynb` — Main notebook with all code

- `movies.csv`, `ratings.csv`, `users.csv` — Dataset files

- `Pixie_Algorithm_Explanation.md` — 3–5 paragraph algorithm explanation

- `Recommendation_Report.md` — Summary of approach, dataset, and results

How to Run

1. Open the notebook `Movie_Recommendation.ipynb`

2. Run all cells to build the graph and execute recommendations.

3. Use:

```python
weighted_pixie_recommend("Movie Title (Year)", walk_length=15, num=5)
```