The Movie Recommender
Explore cinema your way!

Motivation

- Watching movies is one of my favorite pass times.

- But I don't always like the movies I watch and I don't want to spend close to 2 hours figuring that out.

- The Movie Recommender can help suggest movies, which people with similar tastes like. So you can find some new favorite flicks without wasting time.
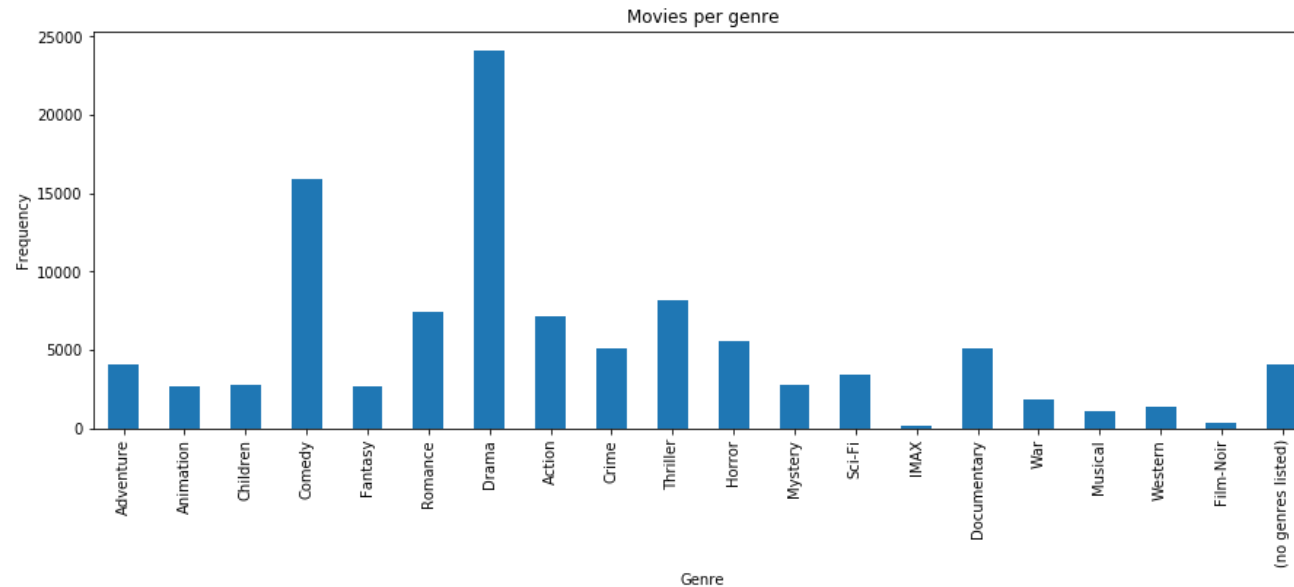
Demo

Data

- Movie Lens Dataset
- Used smaller version with 100,000 ratings from 600 users on 9000 movies.
- Smaller dataset performed faster but not as accurate.

Model and Success

- Used SVD – Singular Value Decomposition

- Initially planned to use AUC (Area Under Curve) to score results, but was difficult to implement.

- Instead, RMSE was used on ratings. SVD performed better than KNN.

Interesting Insight

- Hollywood seems to like to produce Drama and Comedy films.
- That is most likely what people like to see in movies.

Improvements Needed

- Better User input interface.
- Genre filter to help narrow down choices.
- Use bigger dataset.

Thank you!

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