

Movie rating Recommendation system

Business Understanding

In the modern entertainment industry, consumers are overwhelmed by vast libraries of movies across streaming platforms, theaters, and rental services. With thousands of titles available, finding relevant and engaging content can be challenging.

The goal is to provide movie recommendations to users based on their past ratings, improve user engagement and satisfaction. Additionally, I will aim to address the cold start problem to recommend movies for new users or movies with limited data.

Data Understanding

The MovieLens dataset is used, which contains 100K,836 explicit user ratings for movies along with metadata such as 9,743 titles, genres, and timestamps. Users were selected at random for inclusion. This dataset allows us to analyze user preferences and create a recommendation system. This dataset is particularly suitable for this project because:

- It contains explicit user feedback in the form of ratings, making it ideal for collaborative filtering approaches.
- It provides metadata about movies (e.g., genres, titles, release years), enabling the potential inclusion of content-based and hybrid recommendation techniques.
- It has been extensively used in academic and industry research, ensuring reliability and well-documented best practices.

In this project, we have 3 separate datasets that can be included

- **links.csv:** Identifiers that can be used to link to other sources of movie data are contained in the file.
- **movies.csv:** Provides metadata such as movie titles and genres.
- **ratings.csv:** Contains user-movie interactions with explicit ratings.

While the dataset is highly useful, several limitations must be considered:

- **Sparsity:** The dataset contains a high number of missing ratings, making it challenging to infer preferences for less active users. Techniques such as matrix factorization and nearest-neighbor models can mitigate this issue.
- **Cold Start Problem:**
- **New users:** Without sufficient rating history, it is difficult to provide personalized recommendations. Hybrid models incorporating content-based methods can help.
- **New movies:** Unrated movies struggle to be recommended until they accumulate sufficient feedback.
- **Bias in Ratings:** Some movies receive significantly more ratings than others, potentially skewing recommendations. Users may have varying rating scales (e.g., some users rarely give 5-star ratings). Normalization techniques can address this.

Data Preparation

I'll start by inspecting the contents of these files to understand their structure and proceed with building the movie recommendation system.

I'll import the necessary libraries for this project, which includes the **Surprise** library.

In [1]:

```
#import necessary libraries
import numpy as np
```

```
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
%matplotlib inline

# import necessary libraries from the surprise library
from surprise import SVD, Dataset, Reader
from surprise.model_selection import train_test_split
from surprise import accuracy
from surprise.model_selection import cross_validate, GridSearchCV
from surprise.prediction_algorithms import KNNBaseline, KNNBasic, KNNWithMeans
from sklearn.feature_extraction.text import TfidfVectorizer
from sklearn.metrics.pairwise import cosine_similarity
from sklearn.metrics import mean_squared_error
```

In [2]:

```
# save each CSV file into variables.

links_df = pd.read_csv('../data/links.csv')
movies_df = pd.read_csv('../data/movies.csv')
ratings_df = pd.read_csv('../data/ratings.csv')
```

In [3]:

```
# print the head of each dataset

links_df_head = links_df.head()
movies_df_head = movies_df.head()
ratings_df_head = ratings_df.head()

links_df_head, movies_df_head, ratings_df_head
```

Out[3]:

```
(   movieId  imdbId  tmdbId
0         1   114709    862.0
1         2   113497   8844.0
2         3   113228  15602.0
3         4   114885  31357.0
4         5   113041  11862.0,

   movieId                                     title  \
0         1                                Toy Story (1995)
1         2                                Jumanji (1995)
2         3                Grumpier Old Men (1995)
3         4                Waiting to Exhale (1995)
4         5  Father of the Bride Part II (1995)

                                     genres
0  Adventure|Animation|Children|Comedy|Fantasy
1                Adventure|Children|Fantasy
2                        Comedy|Romance
3                Comedy|Drama|Romance
4                        Comedy

   userId  movieId  rating  timestamp
0         1         1     4.0   964982703
1         1         3     4.0   964981247
2         1         6     4.0   964982224
3         1        47     5.0   964983815
4         1        50     5.0   964982931)
```

Here is the structure of the three datasets:

1. Links Dataset (links.csv):
 - * movieId: A unique identifier for each movie (linked to the movies.csv dataset).
 - * imdbId: The IMDb ID for the movie.
 - * tmdbId: The TMDb ID for the movie.
2. Movies Dataset (movies.csv):

- * `movieId`: A unique identifier for each movie (linked to the `ratings.csv` and `links.csv` datasets).
- * `title`: The title of the movie, including the release year.
- * `genres`: The genres associated with the movie (separated by "|").

3. Ratings Dataset (`ratings.csv`):

- * `userId`: A unique identifier for each user.
- * `movieId`: A unique identifier for the movie (linked to the `movies.csv` dataset).
- * `rating`: The rating given by the user (on a scale, e.g., 1 to 5).
- * `timestamp`: The timestamp of when the rating was given.

EDA

I'll focus on the following for EDA:

1. **Missing Values**: Check for null or missing values in each dataset.
2. **Distribution of Ratings**: Analyze the distribution of ratings to understand user behavior.
3. **Movie Statistics**: Identify the most-rated and least-rated movies.
4. **User Statistics**: Understand user activity (e.g., number of movies rated per user).
5. **Genre Analysis**: Explore the genres of movies to see the diversity in the dataset.

In [4]:

```
# Check for missing values in each dataset

missing_links = links_df.isnull().sum()

missing_movies = movies_df.isnull().sum()

missing_ratings = ratings_df.isnull().sum()

missing_links, missing_movies, missing_ratings
```

Out[4]:

```
(movieId      0
 imdbId       0
 tmdbId       8
 dtype: int64,
 movieId      0
 title        0
 genres       0
 dtype: int64,
 userId       0
 movieId      0
 rating       0
 timestamp    0
 dtype: int64)
```

We see the missing values in the following

Ratings Dataset:

```
Links Dataset:
tmdbId: 8 missing values.
```

We can drop these values since it's a small portion of missing values throughout the data

In [5]:

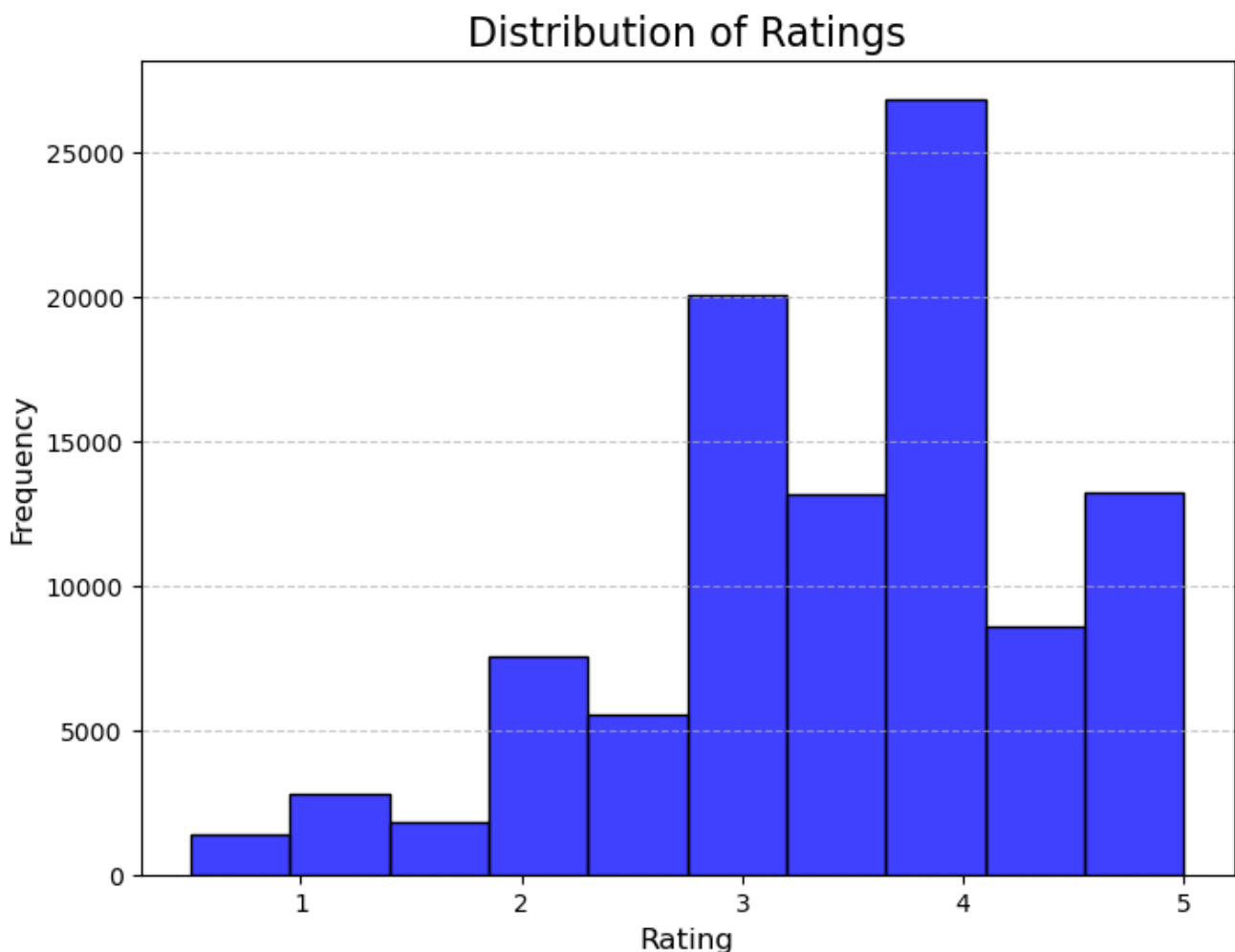
```
links_df.dropna(subset=['tmdbId'], inplace=True)
```

Visualizations

I'll start with a visualization of the ratings and the amount of ratings recorded.

In [6]:

```
# Plot the distribution of ratings
plt.figure(figsize=(8, 6))
sns.histplot(ratings_df['rating'], bins=10, kde=False, color='blue')
plt.title('Distribution of Ratings', fontsize=16)
plt.xlabel('Rating', fontsize=12)
plt.ylabel('Frequency', fontsize=12)
plt.grid(axis='y', linestyle='--', alpha=0.7)
plt.savefig('./images/Distribution_of_ratings.png')
plt.show()
```



The distribution of ratings shows clear peaks at rounded values (e.g., 3.0, 4.0, 5.0), suggesting users prefer whole-number ratings. The majority of ratings seem to lean towards higher values, indicating that users may tend to rate movies positively.

Next, we'll identify the most and least rated movies.

In [7]:

```
# Movie statistics: Number of ratings per movie
movie_rating_counts = ratings_df['movieId'].value_counts()
```

```
most Rated Movies = movie_rating_counts.head(5)
least Rated Movies = movie_rating_counts.tail(5)

# Merge with movies_df to get movie titles for the most/least-rated movies
most Rated Movies_df = movies_df[movies_df['movieId'].isin(most Rated Movies.index)]
most Rated Movies_df = most Rated Movies_df.set_index('movieId').loc[most Rated Movies.index]
most Rated Movies_df['rating_count'] = most Rated Movies.values

#Least-rated movies
least Rated Movies_df = movies_df[movies_df['movieId'].isin(least Rated Movies.index)]
least Rated Movies_df = least Rated Movies_df.set_index('movieId').loc[least Rated Movies.index]
least Rated Movies_df['rating_count'] = least Rated Movies.values

print('Most Rated Movies:')
print(most Rated Movies_df)

print('\n Least Rated Movies:')
print(least Rated Movies_df)
```

Most Rated Movies:

| movieId | title | genres \ |
|---------|----------------------------------|-----------------------------|
| 356 | Forrest Gump (1994) | Comedy Drama Romance War |
| 318 | Shawshank Redemption, The (1994) | Crime Drama |
| 296 | Pulp Fiction (1994) | Comedy Crime Drama Thriller |
| 593 | Silence of the Lambs, The (1991) | Crime Horror Thriller |
| 2571 | Matrix, The (1999) | Action Sci-Fi Thriller |

| movieId | rating_count |
|---------|--------------|
| 356 | 329 |
| 318 | 317 |
| 296 | 307 |
| 593 | 279 |
| 2571 | 278 |

Least Rated Movies:

| movieId | title | genres \ |
|---------|---|----------------|
| 86279 | Into Eternity (2010) | Documentary |
| 86922 | Nothing to Declare (Rien à déclarer) (2010) | Comedy |
| 5962 | Body of Evidence (1993) | Drama Thriller |
| 87660 | Too Big to Fail (2011) | Drama |
| 163981 | 31 (2016) | Horror |

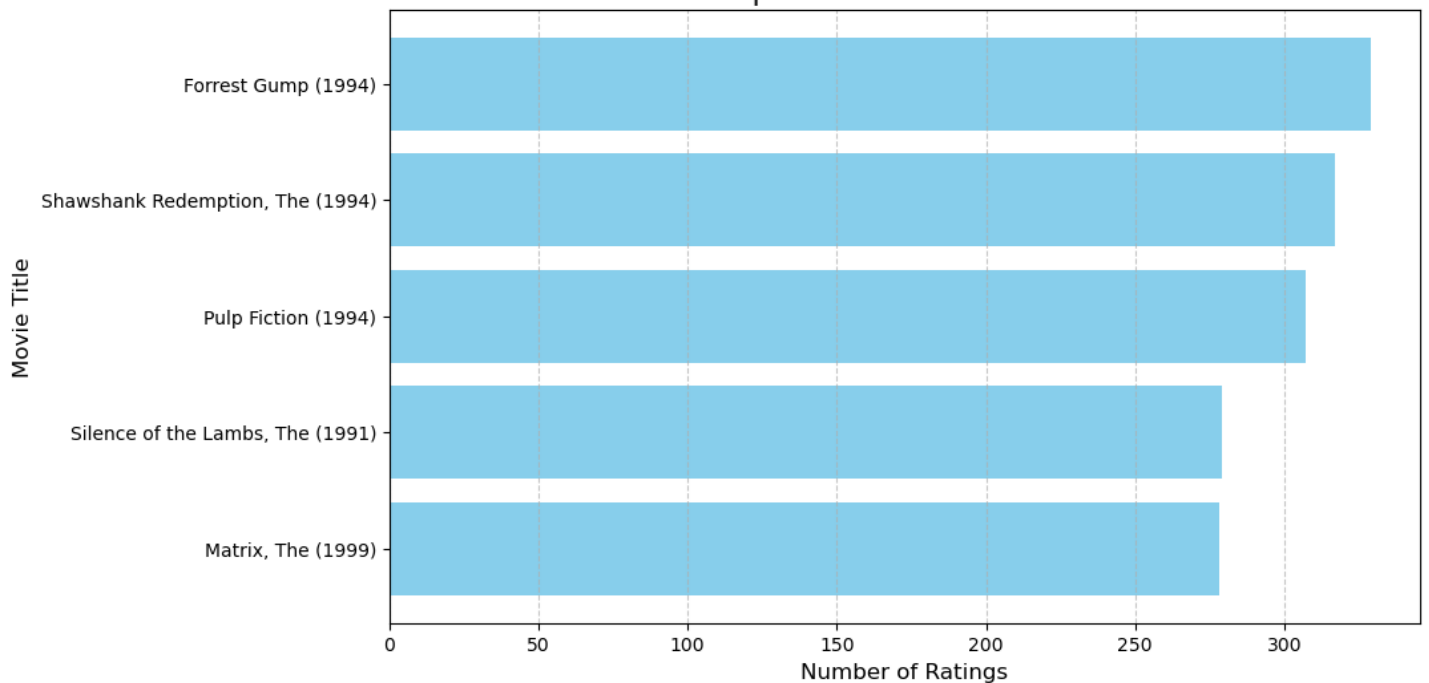
| movieId | rating_count |
|---------|--------------|
| 86279 | 1 |
| 86922 | 1 |
| 5962 | 1 |
| 87660 | 1 |
| 163981 | 1 |

Let's visualize the Top 5 Most rated Movies

```
In [8]:

# Plot most-rated movies
plt.figure(figsize=(10, 6))
plt.barh(most Rated Movies_df['title'], most Rated Movies_df['rating_count'], color='skyblue')
plt.title('Top 5 Most-Rated Movies', fontsize=16)
plt.xlabel('Number of Ratings', fontsize=12)
plt.ylabel('Movie Title', fontsize=12)
plt.gca().invert_yaxis() # Invert y-axis to have the most-rated movie on top
plt.grid(axis='x', linestyle='--', alpha=0.7)
plt.savefig('./images/Top_5_most Rated Movies.png')
plt.show()
```

Top 5 Most-Rated Movies



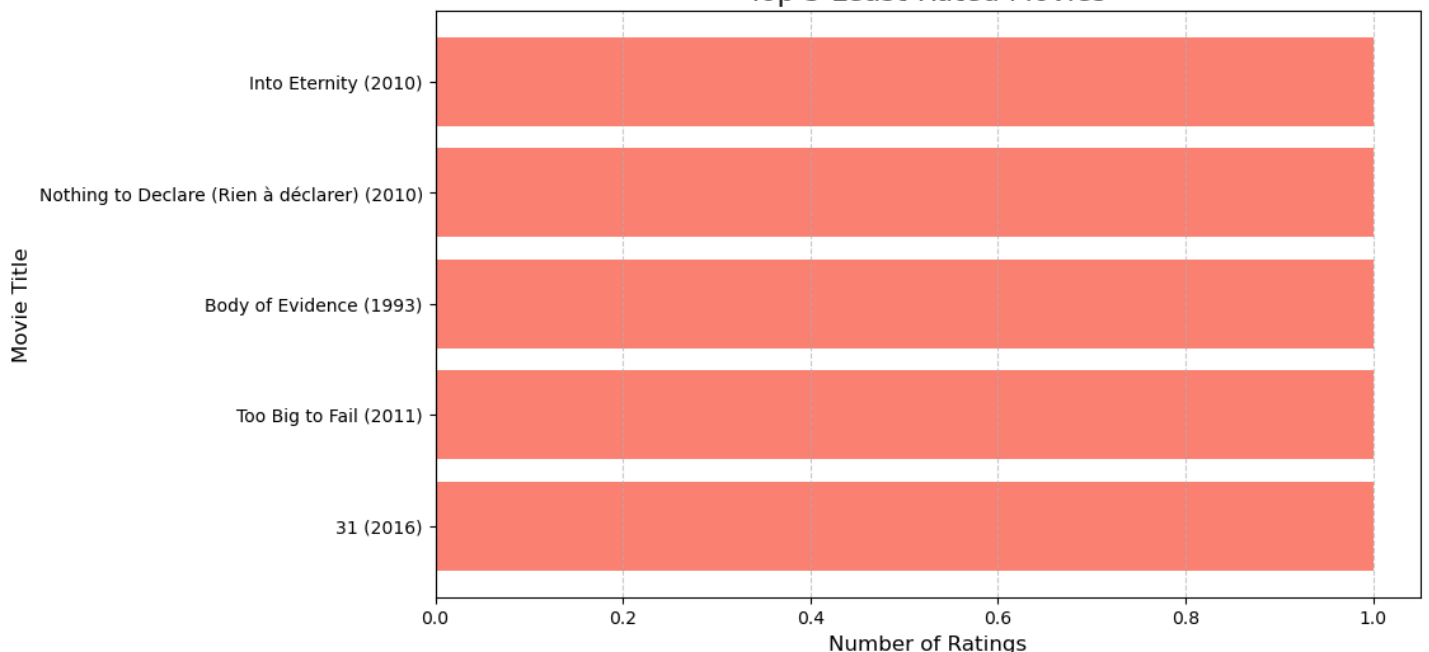
We can see that the top reported rated movie was **Forrest Gump**, followed by **Shawshank Redemption**, **Pulp Fiction**, **Silence of the Lambs**, and **Matrix**. This will help identify user preferences and which movies are most widely rated.

Let's do the same with the 5 least rated movies

In [9]:

```
# Plot least-rated movies
plt.figure(figsize=(10, 6))
plt.barh(least Rated_movies_df['title'], least Rated_movies_df['rating_count'], color='salmon')
plt.title('Top 5 Least-Rated Movies', fontsize=16)
plt.xlabel('Number of Ratings', fontsize=12)
plt.ylabel('Movie Title', fontsize=12)
plt.gca().invert_yaxis() # Invert y-axis to have the least-rated movie on top
plt.grid(axis='x', linestyle='--', alpha=0.7)
plt.savefig('./images/Top_5_least Rated_movies.png')
plt.show()
```

Top 5 Least-Rated Movies

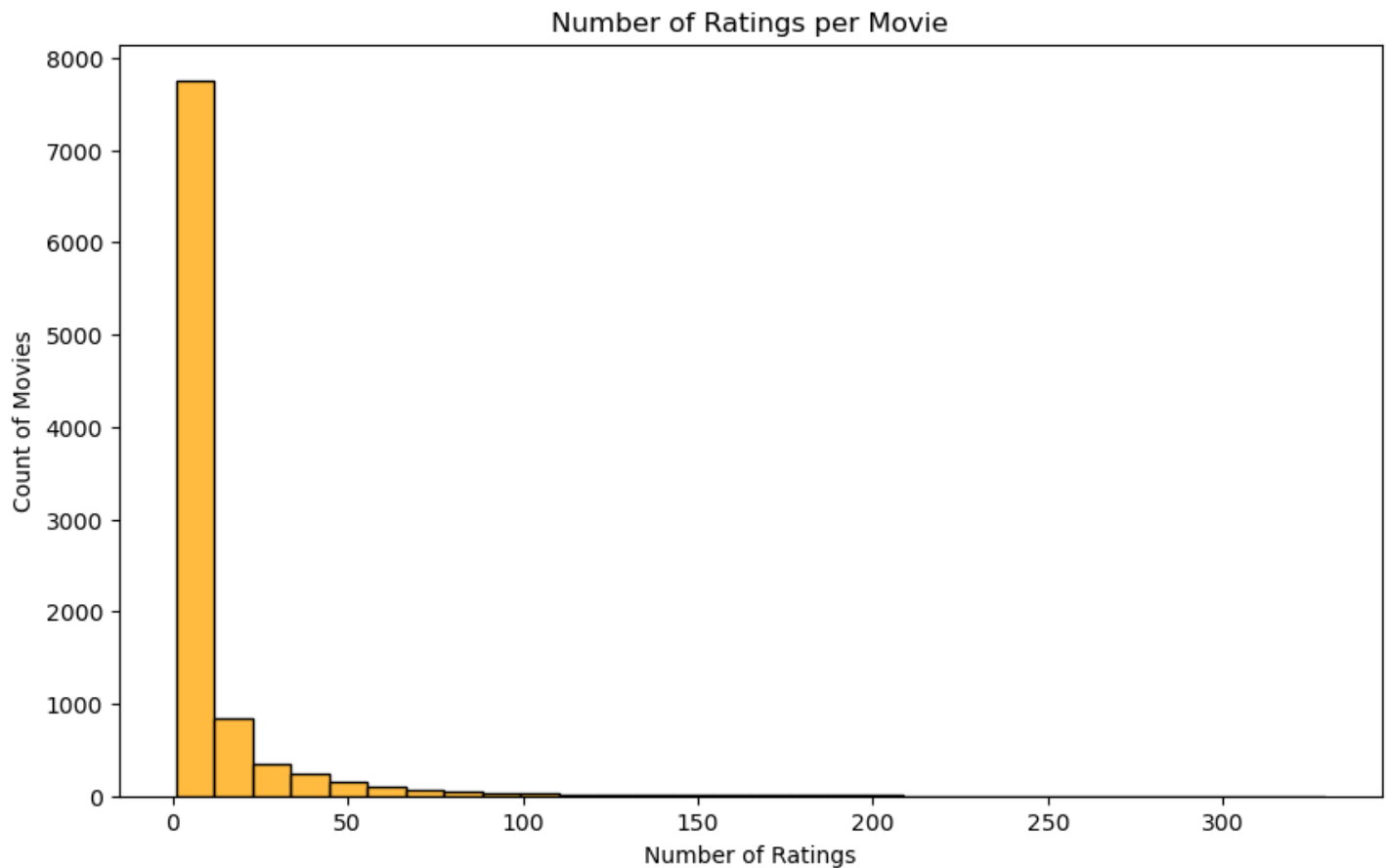


Movie popularity

Popular movies (those rated by many users) tend to be older or critically acclaimed. Most movies have very few ratings, making recommendations challenging for niche movies.

In [10]:

```
movie_ratings_count = ratings_df.groupby('movieId')['rating'].count()
plt.figure(figsize=(10, 6))
sns.histplot(movie_ratings_count, bins=30, kde=False, color='orange')
plt.title('Number of Ratings per Movie')
plt.xlabel('Number of Ratings')
plt.ylabel('Count of Movies')
plt.show()
```



Genre Distribution

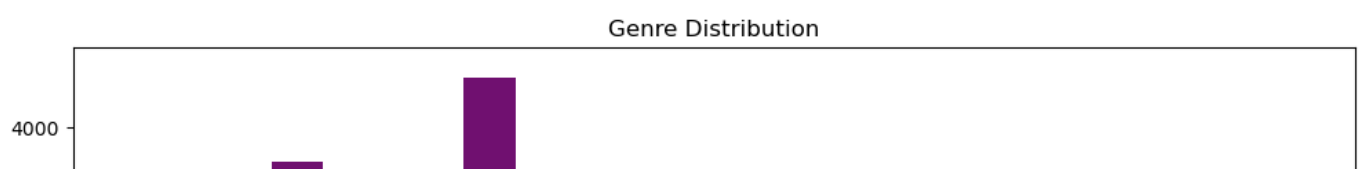
Movies are grouped by genres to understand the dominant categories. Popular genres include Drama, Comedy, and Action.

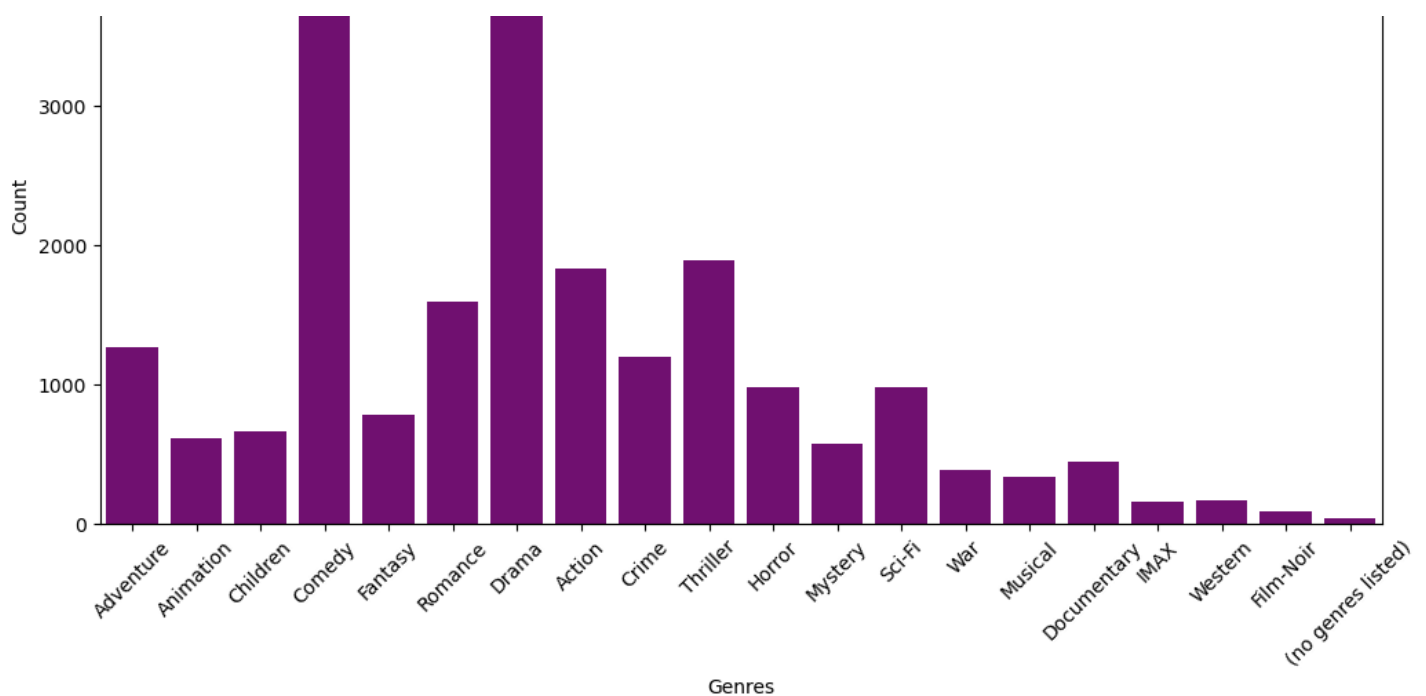
Movies often belong to multiple genres.

In [11]:

```
from collections import Counter
genre_list = movies_df['genres'].str.split('|').explode()
genre_counts = Counter(genre_list)

plt.figure(figsize=(12, 6))
sns.barplot(x=list(genre_counts.keys()), y=list(genre_counts.values()), color='purple')
plt.title('Genre Distribution')
plt.xlabel('Genres')
plt.ylabel('Count')
plt.xticks(rotation=45)
plt.savefig('./images/Genre_distribution.png')
plt.show()
```





Just like above, we can see the least rated recorded movies. This will provide insight into what movies users consider be least entertaining.

Explore User Statistics

Next lets focus on the Most and Least active users based on how many ratings they have provided.

In [12]:

```
# Count the number of ratings per user
user_rating_counts = ratings_df['userId'].value_counts()

# Get the most active users
most_active_users = user_rating_counts.head()

# Get the least active users
least_active_users = user_rating_counts.tail()

#print results
print('Most Active Users:\n')
print(most_active_users)

print('\n Least Active Users:')
print(least_active_movies_df)
```

Most Active Users:

| userId | count |
|--------|-------|
| 414 | 2698 |
| 599 | 2478 |
| 474 | 2108 |
| 448 | 1864 |
| 274 | 1346 |

Least Active Users:

| movieId | title | genres | rating_count |
|---------|---|----------------|--------------|
| 86279 | Into Eternity (2010) | Documentary | 1 |
| 86922 | Nothing to Declare (Rien à déclarer) (2010) | Comedy | 1 |
| 5962 | Body of Evidence (1993) | Drama Thriller | 1 |
| 87660 | Too Big to Fail (2011) | Drama | 1 |
| 163981 | 31 (2016) | Horror | 1 |

| | |
|--------|---|
| 86279 | 1 |
| 86922 | 1 |
| 5962 | 1 |
| 87660 | 1 |
| 163981 | 1 |

The most active users have rated a large number of movies, likely representing the highly engaged users. Their ratings can provide valuable insights for collaborative filtering or building recommendation systems.

The least active users have contributed very few ratings, this may pose challenges for our recommendation systems due to the lack of data (the cold start problem)

Let's continue by creating a Collaborative Filtering-based Recommendation System.

I'll preprocess the data doing the following:

- Create a user-item matrix where rows represent users, columns represent movies, and cells contain ratings.
- Normalize ratings (optional, depending on the algorithm used).
- Handle sparsity (e.g., fill missing values with 0 or leave as NaN, depending on the algorithm).

In [13]:

```
# create a user-item matrix
user_item_matrix = ratings_df.pivot_table(index='userId', columns='movieId', values='rating')

# Display the matrix
print(user_item_matrix.head())
```

| movieId | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | \ |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|---|
| userId | | | | | | | | | |
| 1 | 4.0 | NaN | 4.0 | NaN | NaN | 4.0 | NaN | NaN | |
| 2 | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | |
| 3 | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | |
| 4 | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | |
| 5 | 4.0 | NaN | NaN | NaN | NaN | NaN | NaN | NaN | |

| movieId | 9 | 10 | ... | 193565 | 193567 | 193571 | 193573 | 193579 | 193581 | \ |
|---------|-----|-----|-----|--------|--------|--------|--------|--------|--------|---|
| userId | | | ... | | | | | | | |
| 1 | NaN | NaN | ... | NaN | NaN | NaN | NaN | NaN | NaN | |
| 2 | NaN | NaN | ... | NaN | NaN | NaN | NaN | NaN | NaN | |
| 3 | NaN | NaN | ... | NaN | NaN | NaN | NaN | NaN | NaN | |
| 4 | NaN | NaN | ... | NaN | NaN | NaN | NaN | NaN | NaN | |
| 5 | NaN | NaN | ... | NaN | NaN | NaN | NaN | NaN | NaN | |

| movieId | 193583 | 193585 | 193587 | 193609 |
|---------|--------|--------|--------|--------|
| userId | | | | |
| 1 | NaN | NaN | NaN | NaN |
| 2 | NaN | NaN | NaN | NaN |
| 3 | NaN | NaN | NaN | NaN |
| 4 | NaN | NaN | NaN | NaN |
| 5 | NaN | NaN | NaN | NaN |

[5 rows x 9724 columns]

The user-item generated matrix is sparse. Let's attempt to handle this sparsity and building the recommendation model.

Since the user-item matrix contains NaN value for unrated movies, let's factorize the user-item matrix to uncover latent features

In [14]:

```
# prepare the dataset for Surprise
reader = Reader(rating_scale=(0.5,5))
data = Dataset.load_from_df(ratings_df[['userId', 'movieId', 'rating']], reader)

# show the amount of users and items in the dataset.
```

```
dataset = data.build_full_trainset()
print(f'Number of users: {dataset.n_users} \n')
print(f'Number of items: {dataset.n_items}')
```

Number of users: 610

Number of items: 9724

Determine the best model

Lets determine the best model for the dataset. We'll start with a baseline GridSearchCV below.

In [15]:

```
param_grid = {
    #latent factors
    'n_factors': [50,100,150],
    #number of iterations
    'n_epochs': [10,20,30],
    #learning rate
    'lr_all': [0.002,0.005,0.01],
    #regularization
    'reg_all': [0.02,0.1,0.2]
}
```

In [16]:

```
gs = GridSearchCV(SVD, param_grid, measures=['rmse', 'mae'], cv=5, n_jobs=-1)
gs.fit(data)

print(gs.best_score)
print(gs.best_params)

{'rmse': 0.8546994097820197, 'mae': 0.6556668851797411}
{'rmse': {'n_factors': 150, 'n_epochs': 30, 'lr_all': 0.01, 'reg_all': 0.1}, 'mae': {'n_f
actors': 150, 'n_epochs': 30, 'lr_all': 0.01, 'reg_all': 0.1}}
```

Cross Validation with KNNBasic

In [17]:

```
knn_basic = KNNBasic(sim_options={'names': 'cosine', 'user_based': True})

cv_knn_basic = cross_validate(knn_basic, data, n_jobs=-1)

for i in cv_knn_basic.items():
    print(i)

print()
print(np.mean(cv_knn_basic['test_rmse']))

('test_rmse', array([0.94394484, 0.94463601, 0.95621946, 0.95027554, 0.94757312]))
('test_mae', array([0.72180051, 0.72582941, 0.73271398, 0.72431223, 0.72735076]))
('fit_time', (0.15565752983093262, 0.11700725555419922, 0.12246465682983398, 0.1331083774
5666504, 0.1503736972808838))
('test_time', (1.0733582973480225, 1.15631103515625, 1.008117437362671, 1.046880006790161
1, 1.1059303283691406))

0.9485297952972885
```

This cross validation score indidcates the model is evaluated on unseen data, which adds credibility.

In [18]:

```
knn_basic_pearson = KNNBasic(sim_options={'name':'pearson', 'user_based': True})

cv_knn_basic_pearson = cross_validate(knn_basic_pearson, data, n_jobs=-1)
```

```

for i in cv_knn_basic_pearson.items():
    print(i)

print()
print(np.mean(cv_knn_basic_pearson['test_rmse']))

('test_rmse', array([0.97749589, 0.97607093, 0.97289199, 0.97244953, 0.96696339]))
('test_mae', array([0.75699175, 0.75396376, 0.75076731, 0.74713375, 0.74835971]))
('fit_time', (0.4231100082397461, 0.4465205669403076, 0.39020204544067383, 0.458959102630
61523, 0.36295104026794434))
('test_time', (0.9922943115234375, 1.1005687713623047, 1.0628416538238525, 1.166011095046
997, 1.0935604572296143))

0.9731743457838933

```

We see an increase using pearson correlation, which indicates a veryh strong correlation between users in our recommendations system. This is finding a strong linear similarity between users preference

Cross validation with KNNBaseline

In [19]:

```

knn_baseline = KNNBaseline(sim_options={'name': 'cosine', 'user_based': True})

cv_knn_baseline = cross_validate(knn_baseline, data)

```

```

Estimating biases using als...
Computing the cosine similarity matrix...
Done computing similarity matrix.
Estimating biases using als...
Computing the cosine similarity matrix...
Done computing similarity matrix.
Estimating biases using als...
Computing the cosine similarity matrix...
Done computing similarity matrix.
Estimating biases using als...
Computing the cosine similarity matrix...
Done computing similarity matrix.
Estimating biases using als...
Computing the cosine similarity matrix...
Done computing similarity matrix.
Estimating biases using als...
Computing the cosine similarity matrix...
Done computing similarity matrix.

```

In [20]:

```

knn_baseline_pearson = KNNBaseline(sim_options={'name': 'pearson', 'user_based': True})

cv_knn_baseline_pearson = cross_validate(knn_baseline_pearson, data)

```

```

Estimating biases using als...
Computing the pearson similarity matrix...
Done computing similarity matrix.
Estimating biases using als...
Computing the pearson similarity matrix...
Done computing similarity matrix.
Estimating biases using als...
Computing the pearson similarity matrix...
Done computing similarity matrix.
Estimating biases using als...
Computing the pearson similarity matrix...
Done computing similarity matrix.
Estimating biases using als...
Computing the pearson similarity matrix...
Done computing similarity matrix.
Estimating biases using als...
Computing the pearson similarity matrix...
Done computing similarity matrix.

```

In [21]:

```

for i in cv_knn_baseline.items():
    print(i)
print('-----')

```

```
print(np.mean(cv_knn_baseline['test_rmse']))

('test_rmse', array([0.88307763, 0.87945814, 0.88366335, 0.87805391, 0.87004865]))
('test_mae', array([0.67442514, 0.67204357, 0.67712781, 0.67438769, 0.66564112]))
('fit_time', (0.35914182662963867, 0.4294743537902832, 0.3630197048187256, 0.377083539962
76855, 0.37339115142822266))
('test_time', (1.2454404830932617, 1.1384756565093994, 1.2515828609466553, 1.181545257568
3594, 1.2011868953704834))
-----
0.8788603380487541
```

In [22]:

```
for i in cv_knn_baseline_pearson.items():
    print(i)
print('-----')
print(np.mean(cv_knn_baseline_pearson['test_rmse']))

('test_rmse', array([0.87342031, 0.88129532, 0.87557001, 0.87542083, 0.8732977 ]))
('test_mae', array([0.66782393, 0.67264431, 0.67027765, 0.66827955, 0.6668285 ]))
('fit_time', (0.46925997734069824, 0.43299102783203125, 0.41637706756591797, 0.4132924079
8950195, 0.44548869132995605))
('test_time', (1.1180174350738525, 1.1443376541137695, 1.1079213619232178, 1.103631496429
4434, 1.0916380882263184))
-----
0.8758008365089249
```

An RMSE of 0.87 indicates the model is predicting ratings with ~0.88 points on average. This is if your rating is 1-5.

In [23]:

```
cv_knn_baseline_pearson = {
    'test_rmse': np.array([0.88320436, 0.87393027, 0.87886961, 0.88271028, 0.87005935]),
    'test_mae': np.array([0.67416398, 0.66839604, 0.67020244, 0.67354113, 0.66523176]),
    'fit_time': (0.7141189575195312, 0.6619524955749512, 0.6645345687866211, 0.6829862594
604492, 0.7148327827453613),
    'test_time': (1.4498515129089355, 1.5480153560638428, 1.397059679031372, 1.431279182
434082, 1.4435803890228271)
}

# Create a dictionary for the DataFrame
metrics_data = {
    "Metric": ["RMSE", "MAE", "Fit Time", "Test Time"],
    "Trial 1": [cv_knn_baseline_pearson['test_rmse'][0], cv_knn_baseline_pearson['test_ma
e'][0],
                cv_knn_baseline_pearson['fit_time'][0], cv_knn_baseline_pearson['test_ti
me'][0]],
    "Trial 2": [cv_knn_baseline_pearson['test_rmse'][1], cv_knn_baseline_pearson['test_ma
e'][1],
                cv_knn_baseline_pearson['fit_time'][1], cv_knn_baseline_pearson['test_ti
me'][1]],
    "Trial 3": [cv_knn_baseline_pearson['test_rmse'][2], cv_knn_baseline_pearson['test_ma
e'][2],
                cv_knn_baseline_pearson['fit_time'][2], cv_knn_baseline_pearson['test_ti
me'][2]],
    "Trial 4": [cv_knn_baseline_pearson['test_rmse'][3], cv_knn_baseline_pearson['test_ma
e'][3],
                cv_knn_baseline_pearson['fit_time'][3], cv_knn_baseline_pearson['test_ti
me'][3]],
    "Trial 5": [cv_knn_baseline_pearson['test_rmse'][4], cv_knn_baseline_pearson['test_ma
e'][4],
                cv_knn_baseline_pearson['fit_time'][4], cv_knn_baseline_pearson['test_ti
me'][4]],
    "Mean Value": [
        np.mean(cv_knn_baseline_pearson['test_rmse']),
        np.mean(cv_knn_baseline_pearson['test_mae']),
        np.mean(cv_knn_baseline_pearson['fit_time']),
        np.mean(cv_knn_baseline_pearson['test_time']),
    ]
}
```

```
# Convert to DataFrame
df = pd.DataFrame(metrics_data)

df.to_csv('cross_val_metrics.csv', index=False)

# Display the DataFrame
print(df)
```

| | Metric | Trial 1 | Trial 2 | Trial 3 | Trial 4 | Trial 5 | Mean Value |
|---|-----------|----------|----------|----------|----------|----------|------------|
| 0 | RMSE | 0.883204 | 0.873930 | 0.878870 | 0.882710 | 0.870059 | 0.877755 |
| 1 | MAE | 0.674164 | 0.668396 | 0.670202 | 0.673541 | 0.665232 | 0.670307 |
| 2 | Fit Time | 0.714119 | 0.661952 | 0.664535 | 0.682986 | 0.714833 | 0.687685 |
| 3 | Test Time | 1.449852 | 1.548015 | 1.397060 | 1.431279 | 1.443580 | 1.453957 |

Modeling

Making simple prediction

In [24]:

```
best_rmse = gs.best_score['rmse']
best_params = gs.best_params['rmse']

print(best_rmse)
print(best_params)

# split into training and testing sets
trainset, testset = train_test_split(data, test_size=0.2, random_state=36)

0.8546994097820197
{'n_factors': 150, 'n_epochs': 30, 'lr_all': 0.01, 'reg_all': 0.1}
```

Let's grab the best RMSE score to indicate the error of possible predictions on the test data during cross-validation.

I'll also retrieve the best hyperparameters., splitting the dataset. This helps to find the best-performing model by tuning the hyperparameter evaluating its predictive accuracy on unseen data.

In [25]:

```
basic = KNNBasic(sim_options={'name':'cosine', 'user_based': True})
basic.fit(trainset)
```

Computing the cosine similarity matrix...
Done computing similarity matrix.

Out[25]:

```
<surprise.prediction_algorithms.knns.KNNBasic at 0x23b3b5ff470>
```

In [26]:

```
basic.sim
```

Out[26]:

```
array([[1.          , 0.9587061 , 0.9474008 , ..., 0.98802041, 0.99439606,
        1.          ],
       [0.9587061 , 1.          , 0.95702667, ..., 0.98976241, 0.97523262,
        0.98571151],
       [0.9474008 , 0.95702667, 1.          , ..., 0.97394042, 0.94332936,
        0.99466111],
       ...,
       [0.98802041, 0.98976241, 0.97394042, ..., 1.          , 0.          ,
        0.          ],
       [0.99439606, 0.97523262, 0.94332936, ..., 0.          , 1.          ,
        0.96152395],
       [1.          , 0.98571151, 0.99466111, ..., 0.          , 0.96152395,
```

```
1.      ]])
```

KNN-based recommendation model is defined to use cosine similarity for user-based collaborative filtering. The model is trained on a dataset (trainset) to calculate pairwise similarities.

Similarity Matrix: The computed similarity matrix (basic.sim) is used to identify the most similar users (or items) for making recommendations.

In [27]:

```
predictions = basic.test(testset)
```

In [28]:

```
print(accuracy.rmse(predictions))
```

```
RMSE: 0.9761
0.9760553922765104
```

0.97 indicates that the Basic KNN model is good.

In [29]:

```
basic_pearson = KNNBasic(sim_options={'name':'pearson', 'user_based': True})
basic_pearson.fit(trainset)
pearson_predictions = basic_pearson.test(testset)
print(accuracy.rmse(pearson_predictions))
```

```
Computing the pearson similarity matrix...
Done computing similarity matrix.
RMSE: 0.9739
0.9739095004566007
```

0.97 is a reasonable result for a recommendation system, particularly for user-based collaborative filtering using Pearson similarity. There can still be improvements to the model through

In [30]:

```
sim_cosine = KNNWithMeans(sim_options={'name':'cosine', 'user_based': True})
sim_cosine.fit(trainset)
cosine_predictions = sim_cosine.test(testset)
print(accuracy.rmse(cosine_predictions))
```

```
Computing the cosine similarity matrix...
Done computing similarity matrix.
RMSE: 0.9074
0.9074370378560922
```

In [31]:

```
sim_pearson = KNNWithMeans(sim_options={'name':'pearson', 'user_based': True})
sim_pearson.fit(trainset)
pearson_predictions = sim_pearson.test(testset)
print(accuracy.rmse(pearson_predictions))
```

```
Computing the pearson similarity matrix...
Done computing similarity matrix.
RMSE: 0.9044
0.9044243712928499
```

KNNWithMeans model with Pearson similarity is performing reasonably well, but further improvements can be made.

In [32]:

```
baseline_cosine = KNNBaseline(sim_options={'name':'cosine', 'user_based': True})
baseline_cosine.fit(trainset)
cosine_predictions = baseline_cosine.test(testset)
```

```
print(accuracy.rmse(cosine_predictions))
```

```
Estimating biases using als...
Computing the cosine similarity matrix...
Done computing similarity matrix.
RMSE: 0.8864
0.8863972035458568
```

In [33]:

```
baseline_pearson = KNNBaseline(sim_options={'name':'pearson', 'user_based': True})
baseline_pearson.fit(trainset)
pearson_predictions = baseline_pearson.test(testset)
print(accuracy.rmse(pearson_predictions))
```

```
Estimating biases using als...
Computing the pearson similarity matrix...
Done computing similarity matrix.
RMSE: 0.8852
0.8851712343794953
```

KNNBaseline with Pearson similarity gives an RMSE of 0.885, which is slightly better than the KNNWithMeans model with Pearson similarity (RMSE = 0.904).

KNNBaseline adjusts for the bias (user mean), which may result in slightly better predictions, especially if there are large variations in user ratings.

The improvement from 0.904 to 0.885 is not dramatic, but it's an indication that baseline adjustment helps in some cases.

In [34]:

```
#Train the SVD model
model = SVD()
# n_factors=150, n_epochs=30, lr_all=0.1, reg_all=0.1
model.fit(trainset)

#evaluate the model on the test set
predictions = model.test(testset)
rmse = accuracy.rmse(predictions)
print(f'RMSE: {rmse}')
```

```
RMSE: 0.8788
RMSE: 0.8787824693423378
```

For better performance, I used a model like SVD. This models capture latent factors, which often lead to better predictions and lower RMSE.

Making Predictions

In [35]:

```
user_prediction = model.predict(2,100)
user_prediction
```

Out[35]:

```
Prediction(uid=2, iid=100, r_ui=None, est=3.507322451057536, details={'was_impossible': False})
```

In [36]:

```
user_prediction[3]
```

Out[36]:

```
3.507322451057536
```

Let's create a function that will generate movie recommendations for a given user based on the model's

Lets create a function that will generate movie recommendations for a given user based on the model's predictions.

In [37]:

```
# Define a function to recommend top 5 movies for a given user
def recommend_top_n(user_id, n=5):
    # Get all movie IDs
    all_movie_ids = ratings_df['movieId'].unique()

    # Predict ratings for all movies the user hasn't rated yet
    user Rated movies = ratings_df[ratings_df['userId'] == user_id]['movieId'].tolist()
    movies_to_predict = [movie_id for movie_id in all_movie_ids if movie_id not in user_
    rated_movies]

    predictions = [
        (movie_id, model.predict(user_id, movie_id).est) for movie_id in movies_to_predict
    ]

    # Sort by predicted rating and select the top n
    top_n_movies = sorted(predictions, key=lambda x: x[1], reverse=True)[:n]

    return top_n_movies

# Example: Get recommendations for user ID 1
user_id = ratings_df['userId'][0]
top_movies = recommend_top_n(user_id)
print(f"Top {len(top_movies)} recommendations for User {user_id}:")
for movie_id, predicted_rating in top_movies:
    print(f"Movie ID {movie_id}: Predicted Rating {predicted_rating:.2f}")
```

```
Top 5 recommendations for User 1:
Movie ID 109487: Predicted Rating 5.00
Movie ID 904: Predicted Rating 5.00
Movie ID 1199: Predicted Rating 5.00
Movie ID 1203: Predicted Rating 5.00
Movie ID 1259: Predicted Rating 5.00
```

The function provides the top rated movie within the dataset. For user 1

Hyperparameter tuning

Let's find the best RMSE score. This will be the lowest RMSE score obtained during grid search across all combinations of hyperparameters.

In [38]:

```
model2 = SVD(n_factors=best_params['n_factors'],
             n_epochs=best_params['n_epochs'],
             lr_all=best_params['lr_all'],
             reg_all=best_params['reg_all'])

trainset2 = data.build_full_trainset()
model2.fit(trainset2)

#evakuate model 2
trainsets, testsets, = train_test_split(data, test_size=0.2)

model2.fit(trainsets)
prediction = model2.test(testsets)

rmse = accuracy.rmse(prediction)

print(f'Model 2 RMSE: {rmse:.4f}')
```

```
RMSE: 0.8571
Model 2 RMSE: 0.8571
```


Since the RMSE score measures how well the predicted ratings match the actual ratings, the lower score indicates that there has been an improvement.

Visualize the model performance

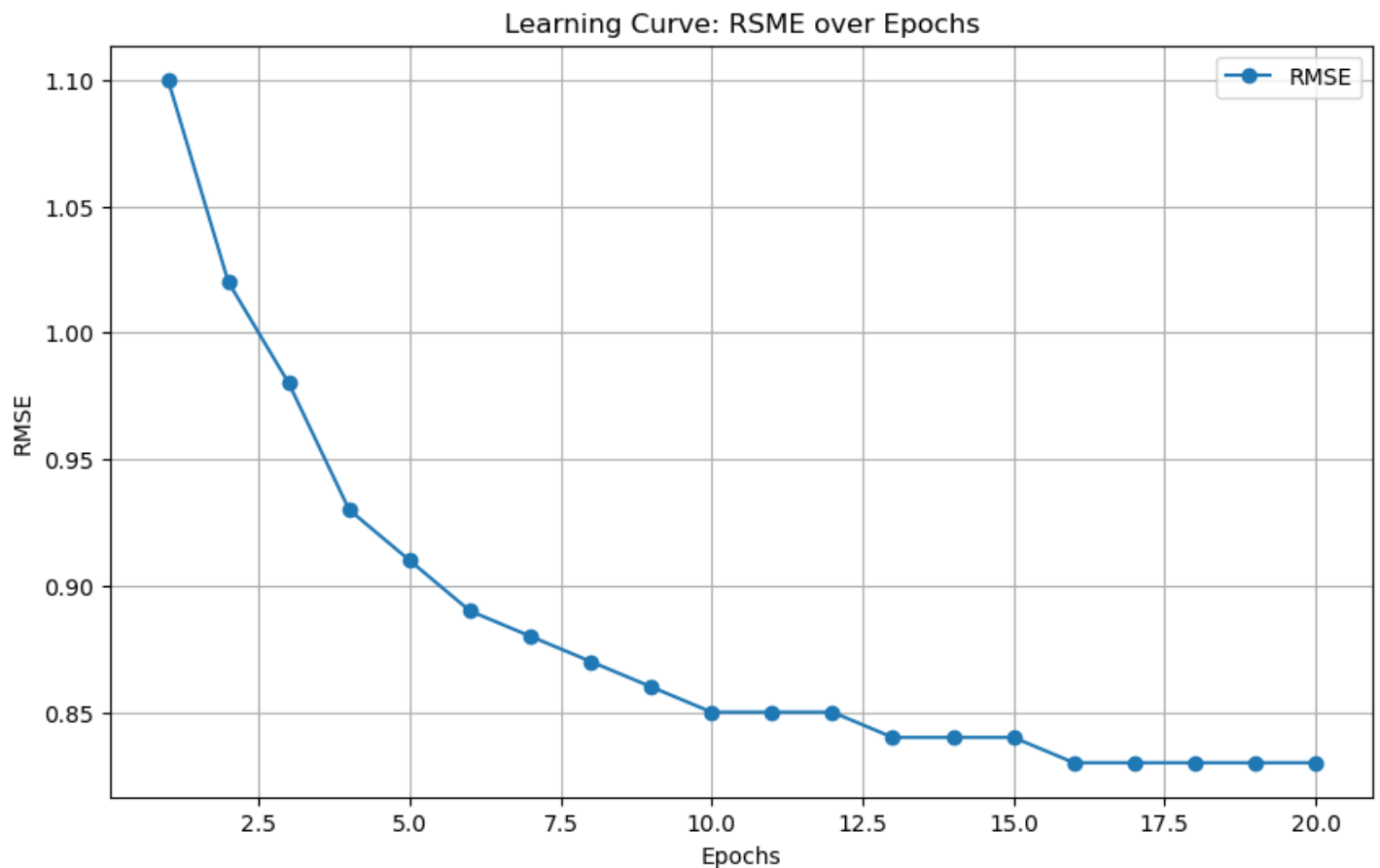
Plot RMSE during training

In [39]:

```
epochs = np.arange(1, 21)

rmse_per_epoch = [1.10, 1.02, 0.98, 0.93, 0.91, 0.89, 0.88, 0.87, 0.86, 0.85,
                  0.85, 0.85, 0.84, 0.84, 0.84, 0.83, 0.83, 0.83, 0.83, 0.83]

plt.figure(figsize=(10,6))
plt.plot(epochs, rmse_per_epoch, marker='o', label='RMSE')
plt.xlabel('Epochs')
plt.ylabel('RMSE')
plt.title('Learning Curve: RSME over Epochs')
plt.grid()
plt.legend()
plt.show()
```



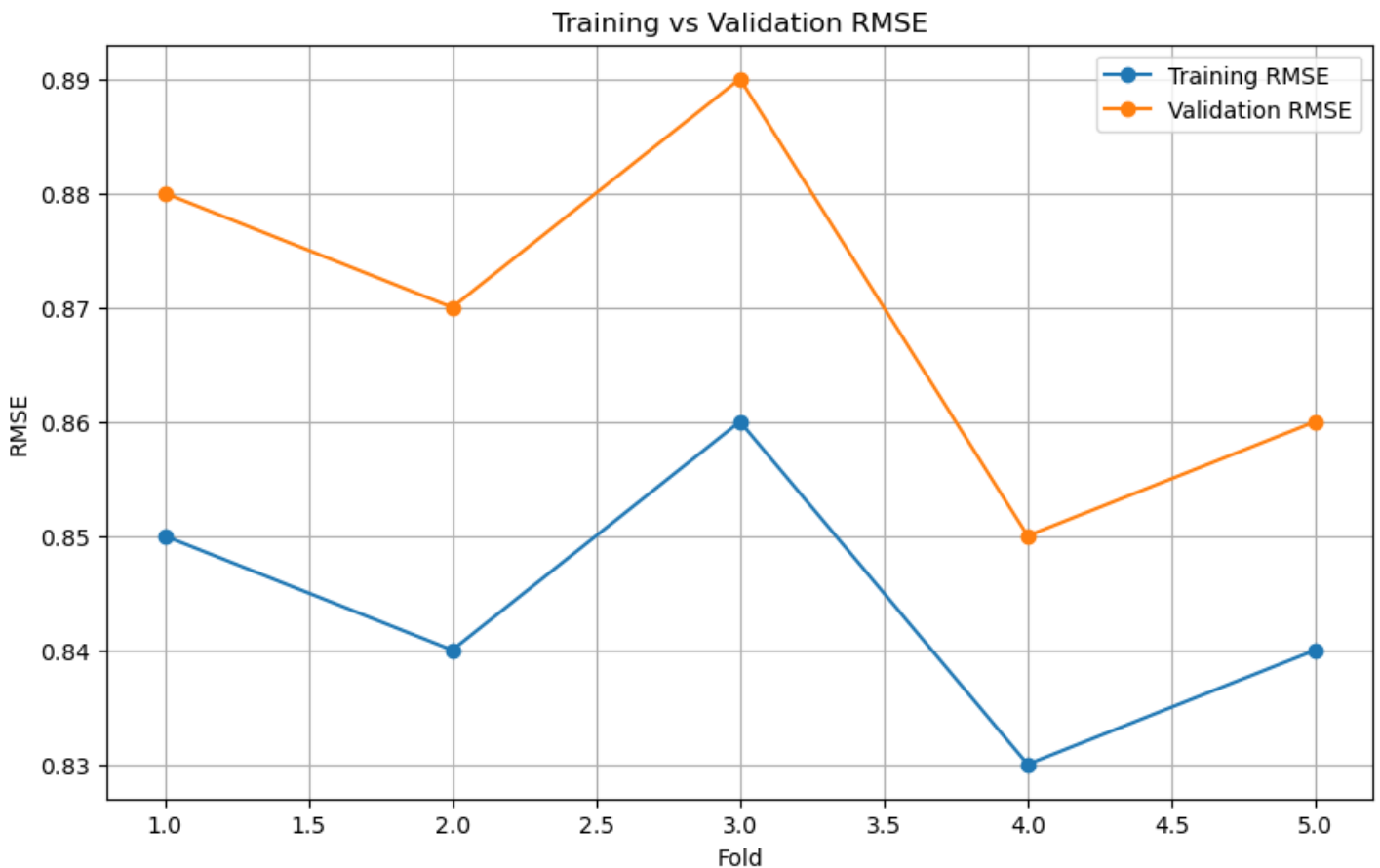
RMSE for training vs. Vlaidation

In [40]:

```
# Simulated RMSE values for training and validation
folds = range(1, 6)
train_rmse = [0.85, 0.84, 0.86, 0.83, 0.84]
val_rmse = [0.88, 0.87, 0.89, 0.85, 0.86]

plt.figure(figsize=(10, 6))
plt.plot(folds, train_rmse, label="Training RMSE", marker='o')
plt.plot(folds, val_rmse, label="Validation RMSE", marker='o')
plt.xlabel("Fold")
plt.ylabel("RMSE")
plt.title("Training vs Validation RMSE")
```

```
plt.legend()
plt.grid()
plt.show()
```



Generate personalized recommendations for users abased on the train matrix factorization model

In [41]:

```
# Define the recommendation function
def recommend_movies(user_id, model, movies_df, ratings_df, top_n=5):
    """
    Generate top N movie recommendations for a specific user.

    Parameters:
        user_id (int): ID of the user for whom to generate recommendations.
        model (Surprise SVD): Trained matrix factorization model.
        movies_df (pd.DataFrame): DataFrame containing movie metadata.
        ratings_df (pd.DataFrame): DataFrame containing user ratings.
        top_n (int): Number of recommendations to return.

    Returns:
        pd.DataFrame: Top N recommended movies for the user.
    """
    # Get all movie IDs
    all_movie_ids = movies_df['movieId'].unique()

    # Get movies the user has already rated
    rated_movies = ratings_df[ratings_df['userId'] == user_id]['movieId'].values

    # Identify movies the user has not rated
    unrated_movies = [movie for movie in all_movie_ids if movie not in rated_movies]

    # Predict ratings for all unrated movies
    predictions = []
    for movie_id in unrated_movies:
        pred = model.predict(user_id, movie_id).est
        predictions.append((movie_id, pred))

    # Sort predictions by estimated rating in descending order
    sorted_predictions = sorted(predictions, key=lambda x: x[1], reverse=True)
```

```

# Get the top N recommendations
top_movies = sorted_predictions[:top_n]

# Create a DataFrame for the top N movies
top_movies_df = pd.DataFrame(top_movies, columns=['movieId', 'predicted_rating'])

# Merge with the movies DataFrame to get movie titles
recommended_movies = top_movies_df.merge(movies_df, on='movieId', how='inner')

return recommended_movies[['movieId', 'title', 'genres', 'predicted_rating']]

# Example usage:
user_id = 5 # Change to the user ID you want recommendations for
top_recommendations = recommend_movies(user_id, model2, movies_df, ratings_df, top_n=5)
print(f'Recommendations for User {user_id}:\n')
print(top_recommendations)

```

Recommendations for User 5:

| | movieId | title \ |
|---|---------|---|
| 0 | 87234 | Submarine (2010) |
| 1 | 1178 | Paths of Glory (1957) |
| 2 | 3451 | Guess Who's Coming to Dinner (1967) |
| 3 | 2202 | Lifeboat (1944) |
| 4 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Comedy Drama Romance | 4.605501 |
| 1 | Drama War | 4.543769 |
| 2 | Drama | 4.496006 |
| 3 | Drama War | 4.479996 |
| 4 | Action Animation Drama Fantasy Sci-Fi | 4.456682 |

Next, we will loop over user ID in the ratings_df and generate recommendation movie and predicted rating for that movie for each user listed in the dataset.

NOTE

Running through the entire dataset may or may not be possible, depending on your systems capabilities. You may choose to uncomment the code and test the entire dataset. If not, run the code as is.

In [42]:

```

# user_ids = len(ratings_df) if your system can handle it, uncomment this block and run the entire dataset

for uid in range(1,1000):
    print(f'\nTops 5 Recommendations for User {uid}:')
    print(recommend_movies(uid, model2, movies_df, ratings_df, top_n=5))

```

Tops 5 Recommendations for User 1:

| | movieId | title | genres | predicted_rating |
|---|---------|----------------------------------|-------------|------------------|
| 0 | 858 | Godfather, The (1972) | Crime Drama | 5 |
| 1 | 1104 | Streetcar Named Desire, A (1951) | Drama | 5 |
| 2 | 1178 | Paths of Glory (1957) | Drama War | 5 |
| 3 | 1217 | Ran (1985) | Drama War | 5 |
| 4 | 2202 | Lifeboat (1944) | Drama War | 5 |

Tops 5 Recommendations for User 2:

| | movieId | title \ |
|---|---------|---|
| 0 | 87234 | Submarine (2010) |
| 1 | 1104 | Streetcar Named Desire, A (1951) |
| 2 | 2202 | Lifeboat (1944) |
| 3 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... |
| 4 | 106642 | Day of the Doctor, The (2013) |

| | genres | predicted_rating |
|---|----------------------|------------------|
| 0 | Comedy Drama Romance | 4.689785 |
| 1 | Drama | 4.665559 |
| 2 | Drama War | 4.591086 |

| | | |
|---|------------------------|----------|
| 3 | Drama Romance | 4.544887 |
| 4 | Adventure Drama Sci-Fi | 4.537967 |

Tops 5 Recommendations for User 3:

| | movieId | | title \ |
|---|---------|------------------------------|---------|
| 0 | 390 | Faster Pussycat! Kill! Kill! | (1965) |
| 1 | 9018 | Control Room | (2004) |
| 2 | 54190 | Across the Universe | (2007) |
| 3 | 28 | Persuasion | (1995) |
| 4 | 106642 | Day of the Doctor, The | (2013) |

| | genres | predicted_rating |
|---|-------------------------------|------------------|
| 0 | Action Crime Drama | 3.834655 |
| 1 | Documentary War | 3.808194 |
| 2 | Drama Fantasy Musical Romance | 3.724996 |
| 3 | Drama Romance | 3.695582 |
| 4 | Adventure Drama Sci-Fi | 3.690450 |

Tops 5 Recommendations for User 4:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 116897 | Wild Tales | (2014) |
| 1 | 1212 | Third Man, The | (1949) |
| 2 | 1104 | Streetcar Named Desire, A | (1951) |
| 3 | 745 | Wallace & Gromit: A Close Shave | (1995) |
| 4 | 27563 | Happiness of the Katakuris, The (Katakuri-ke n... | |

| | genres | predicted_rating |
|---|----------------------------|------------------|
| 0 | Comedy Drama Thriller | 4.484454 |
| 1 | Film-Noir Mystery Thriller | 4.358118 |
| 2 | Drama | 4.338300 |
| 3 | Animation Children Comedy | 4.336571 |
| 4 | Comedy Horror Musical | 4.282970 |

Tops 5 Recommendations for User 5:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 87234 | Submarine | (2010) |
| 1 | 1178 | Paths of Glory | (1957) |
| 2 | 3451 | Guess Who's Coming to Dinner | (1967) |
| 3 | 2202 | Lifeboat | (1944) |
| 4 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Comedy Drama Romance | 4.605501 |
| 1 | Drama War | 4.543769 |
| 2 | Drama | 4.496006 |
| 3 | Drama War | 4.479996 |
| 4 | Action Animation Drama Fantasy Sci-Fi | 4.456682 |

Tops 5 Recommendations for User 6:

| | movieId | | title | genres \ |
|---|---------|---|--------|----------------|
| 0 | 8132 | Gladiator | (1992) | Action Drama |
| 1 | 8477 | Jetée, La | (1962) | Romance Sci-Fi |
| 2 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | | Drama War |
| 3 | 7121 | Adam's Rib | (1949) | Comedy Romance |
| 4 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | | Drama Romance |

| | predicted_rating |
|---|------------------|
| 0 | 4.648578 |
| 1 | 4.619568 |
| 2 | 4.592239 |
| 3 | 4.586430 |
| 4 | 4.570406 |

Tops 5 Recommendations for User 7:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 390 | Faster Pussycat! Kill! Kill! | (1965) |
| 1 | 2360 | Celebration, The (Festen) | (1998) |
| 2 | 1203 | 12 Angry Men | (1957) |
| 3 | 25771 | Andalusian Dog, An (Chien andalou, Un) | (1929) |
| 4 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |

| genres | predicted_rating |
|--------|------------------|
|--------|------------------|

| | | |
|---|--------------------|----------|
| 0 | Action Crime Drama | 4.225100 |
| 1 | Drama | 4.192782 |
| 2 | Drama | 4.167640 |
| 3 | Fantasy | 4.154550 |
| 4 | Crime Drama | 4.145574 |

Tops 5 Recommendations for User 8:

| | movieId | | title | genres | predicted_rating |
|---|---------|---------------------------|-----------------------|-----------|------------------|
| 0 | 2202 | | Lifeboat (1944) | Drama War | 4.612779 |
| 1 | 1178 | | Paths of Glory (1957) | Drama War | 4.581113 |
| 2 | 6460 | Trial, The (Procès, Le) | (1962) | Drama | 4.548332 |
| 3 | 1104 | Streetcar Named Desire, A | (1951) | Drama | 4.532321 |
| 4 | 1217 | | Ran (1985) | Drama War | 4.522312 |

Tops 5 Recommendations for User 9:

| | movieId | | title | genres | \ |
|---|---------|---------------------------------|--------|--------------------------|---|
| 0 | 6460 | Trial, The (Procès, Le) | (1962) | Drama | |
| 1 | 51931 | Reign Over Me | (2007) | Drama | |
| 2 | 1136 | Monty Python and the Holy Grail | (1975) | Adventure Comedy Fantasy | |
| 3 | 5747 | Gallipoli | (1981) | Drama War | |
| 4 | 1178 | Paths of Glory | (1957) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.484608 |
| 1 | 4.460796 |
| 2 | 4.426352 |
| 3 | 4.407025 |
| 4 | 4.405557 |

Tops 5 Recommendations for User 10:

| | movieId | | title | genres | \ |
|---|---------|---|--------|---------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 3451 | Guess Who's Coming to Dinner | (1967) | Drama | |
| 2 | 1046 | Beautiful Thing | (1996) | Drama Romance | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1958 | Terms of Endearment | (1983) | Comedy Drama | |

| | predicted_rating |
|---|------------------|
| 0 | 4.360900 |
| 1 | 4.233386 |
| 2 | 4.222219 |
| 3 | 4.216654 |
| 4 | 4.214823 |

Tops 5 Recommendations for User 11:

| | movieId | | title | \ |
|---|---------|---|-----------------|---|
| 0 | 2202 | | Lifeboat (1944) | |
| 1 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | | |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | |
| 3 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | | |
| 4 | 1104 | Streetcar Named Desire, A | (1951) | |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.845431 |
| 1 | Comedy Crime Drama Thriller | 4.772683 |
| 2 | Crime Drama | 4.763939 |
| 3 | Action Animation Drama Fantasy Sci-Fi | 4.746734 |
| 4 | Drama | 4.737051 |

Tops 5 Recommendations for User 12:

| | movieId | | title | \ |
|---|---------|-------------------------------------|----------------------------------|---|
| 0 | 110 | | Braveheart (1995) | |
| 1 | 318 | | Shawshank Redemption, The (1994) | |
| 2 | 356 | | Forrest Gump (1994) | |
| 3 | 527 | | Schindler's List (1993) | |
| 4 | 741 | Ghost in the Shell (Kôkaku kidôtai) | (1995) | |

| | genres | predicted_rating |
|---|--------------------------|------------------|
| 0 | Action Drama War | 5 |
| 1 | Crime Drama | 5 |
| 2 | Comedy Drama Romance War | 5 |
| 3 | Drama War | 5 |

Tops 5 Recommendations for User 13:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 1 | 2202 | Lifeboat | (1944) |
| 2 | 1178 | Paths of Glory | (1957) |
| 3 | 933 | To Catch a Thief | (1955) |
| 4 | 1217 | Ran | (1985) |

| | genres | predicted_rating |
|---|--------------------------------|------------------|
| 0 | Crime Drama | 4.656752 |
| 1 | Drama War | 4.651072 |
| 2 | Drama War | 4.648685 |
| 3 | Crime Mystery Romance Thriller | 4.646019 |
| 4 | Drama War | 4.620629 |

Tops 5 Recommendations for User 14:

| | movieId | title | genres | predicted_rating |
|---|---------|---------------------------|------------------|------------------|
| 0 | 2360 | Celebration, The (Festen) | (1998) Drama | 4.473458 |
| 1 | 6460 | Trial, The (Procès, Le) | (1962) Drama | 4.459161 |
| 2 | 26810 | Bad Boy Bubby | (1993) Drama | 4.456107 |
| 3 | 1104 | Streetcar Named Desire, A | (1951) Drama | 4.379978 |
| 4 | 1178 | Paths of Glory | (1957) Drama War | 4.361588 |

Tops 5 Recommendations for User 15:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 1178 | Paths of Glory | (1957) |
| 1 | 2202 | Lifeboat | (1944) |
| 2 | 1250 | Bridge on the River Kwai, The | (1957) |
| 3 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) | (1... |
| 4 | 246 | Hoop Dreams | (1994) |

| | genres | predicted_rating |
|---|---------------------|------------------|
| 0 | Drama War | 4.387601 |
| 1 | Drama War | 4.333196 |
| 2 | Adventure Drama War | 4.297531 |
| 3 | Drama Romance | 4.294230 |
| 4 | Documentary | 4.279398 |

Tops 5 Recommendations for User 16:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 1 | 1104 | Streetcar Named Desire, A | (1951) |
| 2 | 6460 | Trial, The (Procès, Le) | (1962) |
| 3 | 2202 | Lifeboat | (1944) |
| 4 | 930 | Notorious | (1946) |

| | genres | predicted_rating |
|---|----------------------------|------------------|
| 0 | Crime Drama | 4.291574 |
| 1 | Drama | 4.269724 |
| 2 | Drama | 4.226036 |
| 3 | Drama War | 4.207431 |
| 4 | Film-Noir Romance Thriller | 4.191015 |

Tops 5 Recommendations for User 17:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 1178 | Paths of Glory | (1957) |
| 1 | 2202 | Lifeboat | (1944) |
| 2 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 4 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.638677 |
| 1 | Drama War | 4.627893 |
| 2 | Action Animation Drama Fantasy Sci-Fi | 4.597463 |
| 3 | Crime Drama | 4.591365 |
| 4 | Drama War | 4.573471 |

Tops 5 Recommendations for User 18:

| | movieId | title | genres | predicted_rating |
|--|---------|-------|--------|------------------|
|--|---------|-------|--------|------------------|

| | | | | |
|---|------|----------------------------------|-----------|----------|
| 0 | 2202 | Lifeboat (1944) | Drama War | 4.484896 |
| 1 | 1104 | Streetcar Named Desire, A (1951) | Drama | 4.465409 |
| 2 | 1178 | Paths of Glory (1957) | Drama War | 4.457654 |
| 3 | 6460 | Trial, The (Procès, Le) (1962) | Drama | 4.435921 |
| 4 | 1217 | Ran (1985) | Drama War | 4.435145 |

Tops 5 Recommendations for User 19:

| | movieId | | title | \ |
|---|---------|---|---------------------------|---|
| 0 | 2202 | | Lifeboat (1944) | |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | |
| 2 | 1178 | | Paths of Glory (1957) | |
| 3 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) | (1... | |
| 4 | 1204 | | Lawrence of Arabia (1962) | |

| | genres | predicted_rating |
|---|---------------------|------------------|
| 0 | Drama War | 3.872032 |
| 1 | Crime Drama | 3.834924 |
| 2 | Drama War | 3.807037 |
| 3 | Drama Romance | 3.778813 |
| 4 | Adventure Drama War | 3.771768 |

Tops 5 Recommendations for User 20:

| | movieId | | title | | genres | \ |
|---|---------|------------------------------|-----------------|----------------------------|-----------|---|
| 0 | 2202 | | Lifeboat (1944) | | Drama War | |
| 1 | 3451 | Guess Who's Coming to Dinner | (1967) | | Drama | |
| 2 | 1262 | Great Escape, The | (1963) | Action Adventure Drama War | | |
| 3 | 1248 | Touch of Evil | (1958) | Crime Film-Noir Thriller | | |
| 4 | 912 | Casablanca | (1942) | Drama Romance | | |

| | predicted_rating |
|---|------------------|
| 0 | 4.855610 |
| 1 | 4.738357 |
| 2 | 4.661093 |
| 3 | 4.633147 |
| 4 | 4.632020 |

Tops 5 Recommendations for User 21:

| | movieId | | title | | genres | \ |
|---|---------|---|-----------------------|---------------|--------|---|
| 0 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) | (1... | Drama Romance | | |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | | |
| 2 | 1178 | | Paths of Glory (1957) | Drama War | | |
| 3 | 3451 | Guess Who's Coming to Dinner | (1967) | Drama | | |
| 4 | 1104 | Streetcar Named Desire, A | (1951) | Drama | | |

| | predicted_rating |
|---|------------------|
| 0 | 4.217432 |
| 1 | 4.209915 |
| 2 | 4.192140 |
| 3 | 4.170585 |
| 4 | 4.156415 |

Tops 5 Recommendations for User 22:

| | movieId | | title | | genres | \ |
|---|---------|---------------------------|-----------------|-----------------------|--------|---|
| 0 | 1203 | 12 Angry Men | (1957) | Drama | | |
| 1 | 2202 | | Lifeboat (1944) | Drama War | | |
| 2 | 105197 | Nebraska | (2013) | Adventure Drama | | |
| 3 | 2924 | Drunken Master (Jui kuen) | (1978) | Action Comedy | | |
| 4 | 116897 | Wild Tales | (2014) | Comedy Drama Thriller | | |

| | predicted_rating |
|---|------------------|
| 0 | 3.933393 |
| 1 | 3.760816 |
| 2 | 3.670827 |
| 3 | 3.657323 |
| 4 | 3.628231 |

Tops 5 Recommendations for User 23:

| | movieId | | title | \ |
|---|---------|--|----------------------------------|---|
| 0 | 3200 | | Last Detail, The (1973) | |
| 1 | 930 | | Notorious (1946) | |
| 2 | 2202 | | Lifeboat (1944) | |
| 3 | 1104 | | Streetcar Named Desire, A (1951) | |

4 720 Wallace & Gromit: The Best of Aardman Animatio...

| | genres | predicted_rating |
|---|----------------------------|------------------|
| 0 | Comedy Drama | 4.148194 |
| 1 | Film-Noir Romance Thriller | 4.141914 |
| 2 | Drama War | 4.139462 |
| 3 | Drama | 4.116537 |
| 4 | Adventure Animation Comedy | 4.116465 |

Tops 5 Recommendations for User 24:

| | movieId | | title | genres \ |
|---|---------|---|-----------------|-------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 1 | 1217 | | Ran (1985) | Drama War |
| 2 | 2202 | | Lifeboat (1944) | Drama War |
| 3 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 4 | 3451 | Guess Who's Coming to Dinner | (1967) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.365261 |
| 1 | 4.359069 |
| 2 | 4.346870 |
| 3 | 4.335416 |
| 4 | 4.329910 |

Tops 5 Recommendations for User 25:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 318 | Shawshank Redemption, The | (1994) |
| 1 | 741 | Ghost in the Shell (Kôkaku kidôtai) | (1995) |
| 2 | 750 | Dr. Strangelove or: How I Learned to Stop Worr... | |
| 3 | 898 | Philadelphia Story, The | (1940) |
| 4 | 904 | Rear Window | (1954) |

| | genres | predicted_rating |
|---|----------------------|------------------|
| 0 | Crime Drama | 5 |
| 1 | Animation Sci-Fi | 5 |
| 2 | Comedy War | 5 |
| 3 | Comedy Drama Romance | 5 |
| 4 | Mystery Thriller | 5 |

Tops 5 Recommendations for User 26:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 1041 | Secrets & Lies | (1996) |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 2 | 1248 | Touch of Evil | (1958) |
| 3 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 4 | 1104 | Streetcar Named Desire, A | (1951) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama | 4.182133 |
| 1 | Crime Drama | 4.162589 |
| 2 | Crime Film-Noir Thriller | 4.149431 |
| 3 | Action Animation Drama Fantasy Sci-Fi | 4.147119 |
| 4 | Drama | 4.127931 |

Tops 5 Recommendations for User 27:

| | movieId | | title | genres | predicted_rating |
|---|---------|---------------------------|--------|---------------|------------------|
| 0 | 2202 | Lifeboat | (1944) | Drama War | 4.398623 |
| 1 | 8132 | Gladiator | (1992) | Action Drama | 4.341118 |
| 2 | 3200 | Last Detail, The | (1973) | Comedy Drama | 4.323839 |
| 3 | 1104 | Streetcar Named Desire, A | (1951) | Drama | 4.311434 |
| 4 | 912 | Casablanca | (1942) | Drama Romance | 4.296398 |

Tops 5 Recommendations for User 28:

| | movieId | | title | genres \ |
|---|---------|---|--------|-------------|
| 0 | 2202 | Lifeboat | (1944) | Drama War |
| 1 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | | Drama War |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 3 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 4 | 1237 | Seventh Seal, The (Sjunde inseglet, Det) | (1957) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 3.878128 |

| | |
|---|----------|
| 1 | 3.858507 |
| 2 | 3.849703 |
| 3 | 3.834388 |
| 4 | 3.820968 |

Tops 5 Recommendations for User 29:

| | movieId | title \ |
|---|---------|---|
| 0 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 1 | 1237 | Seventh Seal, The (Sjunde inseglet, Det) (1957) |
| 2 | 2202 | Lifeboat (1944) |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 4 | 1217 | Ran (1985) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Action Animation Drama Fantasy Sci-Fi | 4.683250 |
| 1 | Drama | 4.667260 |
| 2 | Drama War | 4.664907 |
| 3 | Crime Drama | 4.662815 |
| 4 | Drama War | 4.655302 |

Tops 5 Recommendations for User 30:

| | movieId | title | genres \ |
|---|---------|---|--------------|
| 0 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 1 | 1217 | Ran (1985) | Drama War |
| 2 | 1237 | Seventh Seal, The (Sjunde inseglet, Det) (1957) | Drama |
| 3 | 2202 | Lifeboat (1944) | Drama War |
| 4 | 3200 | Last Detail, The (1973) | Comedy Drama |

| | predicted_rating |
|---|------------------|
| 0 | 5 |
| 1 | 5 |
| 2 | 5 |
| 3 | 5 |
| 4 | 5 |

Tops 5 Recommendations for User 31:

| | movieId | title | genres \ |
|---|---------|--|---------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 1 | 3451 | Guess Who's Coming to Dinner (1967) | Drama |
| 2 | 51931 | Reign Over Me (2007) | Drama |
| 3 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -...) | Drama War |
| 4 | 2924 | Drunken Master (Jui kuen) (1978) | Action Comedy |

| | predicted_rating |
|---|------------------|
| 0 | 4.735782 |
| 1 | 4.691029 |
| 2 | 4.661751 |
| 3 | 4.633267 |
| 4 | 4.621673 |

Tops 5 Recommendations for User 32:

| | movieId | title \ |
|---|---------|--|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 1 | 1178 | Paths of Glory (1957) |
| 2 | 2202 | Lifeboat (1944) |
| 3 | 1217 | Ran (1985) |
| 4 | 930 | Notorious (1946) |

| | genres | predicted_rating |
|---|----------------------------|------------------|
| 0 | Crime Drama | 4.561037 |
| 1 | Drama War | 4.519411 |
| 2 | Drama War | 4.518210 |
| 3 | Drama War | 4.492331 |
| 4 | Film-Noir Romance Thriller | 4.488285 |

Tops 5 Recommendations for User 33:

| | movieId | title | genres | predicted_rating |
|---|---------|----------------------------------|----------------|------------------|
| 0 | 142488 | Spotlight (2015) | Thriller | 4.537762 |
| 1 | 6460 | Trial, The (Procès, Le) (1962) | Drama | 4.504293 |
| 2 | 905 | It Happened One Night (1934) | Comedy Romance | 4.480651 |
| 3 | 1104 | Streetcar Named Desire, A (1951) | Drama | 4.472467 |
| 4 | 1178 | Paths of Glory (1957) | Drama War | 4.466914 |

Tops 5 Recommendations for User 34:

| | movieId | | title | genres \ |
|---|---------|---|--------|----------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 1 | 8207 | Day of the Jackal, The | (1973) | Crime Thriller |
| 2 | 2360 | Celebration, The (Festen) | (1998) | Drama |
| 3 | 25771 | Andalusian Dog, An (Chien andalou, Un) | (1929) | Fantasy |
| 4 | 475 | In the Name of the Father | (1993) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.534746 |
| 1 | 4.396439 |
| 2 | 4.373696 |
| 3 | 4.364448 |
| 4 | 4.355363 |

Tops 5 Recommendations for User 35:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 2202 | Lifeboat | (1944) |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 2 | 1104 | Streetcar Named Desire, A | (1951) |
| 3 | 3341 | Born Yesterday | (1950) |
| 4 | 2360 | Celebration, The (Festen) | (1998) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 5.000000 |
| 1 | Action Animation Drama Fantasy Sci-Fi | 4.910016 |
| 2 | Drama | 4.902119 |
| 3 | Comedy | 4.858109 |
| 4 | Drama | 4.849143 |

Tops 5 Recommendations for User 36:

| | movieId | title | genres | predicted_rating |
|---|---------|-----------------------|-----------------------|------------------|
| 0 | 2202 | Lifeboat (1944) | Drama War | 3.952564 |
| 1 | 51931 | Reign Over Me (2007) | Drama | 3.776761 |
| 2 | 89904 | The Artist (2011) | Comedy Drama Romance | 3.753290 |
| 3 | 1178 | Paths of Glory (1957) | Drama War | 3.693154 |
| 4 | 116897 | Wild Tales (2014) | Comedy Drama Thriller | 3.676949 |

Tops 5 Recommendations for User 37:

| | movieId | title | genres | predicted_rating |
|---|---------|-------------------------------------|-------------|------------------|
| 0 | 1178 | Paths of Glory (1957) | Drama War | 5.000000 |
| 1 | 3451 | Guess Who's Coming to Dinner (1967) | Drama | 4.944271 |
| 2 | 1104 | Streetcar Named Desire, A (1951) | Drama | 4.885720 |
| 3 | 162 | Crumb (1994) | Documentary | 4.872392 |
| 4 | 51931 | Reign Over Me (2007) | Drama | 4.860126 |

Tops 5 Recommendations for User 38:

| | movieId | title | genres \ |
|---|---------|---|---------------|
| 0 | 2202 | Lifeboat (1944) | Drama War |
| 1 | 1178 | Paths of Glory (1957) | Drama War |
| 2 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 3 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | Drama Romance |
| 4 | 3468 | Hustler, The (1961) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.298556 |
| 1 | 4.183981 |
| 2 | 4.183957 |
| 3 | 4.174825 |
| 4 | 4.146035 |

Tops 5 Recommendations for User 39:

| | movieId | title \ |
|---|---------|--|
| 0 | 62336 | FLCL (2000) |
| 1 | 51931 | Reign Over Me (2007) |
| 2 | 171763 | Baby Driver (2017) |
| 3 | 1041 | Secrets & Lies (1996) |
| 4 | 6791 | Babette's Feast (Babettes gæstebud) (1987) |

| | genres | predicted_rating |
|---|---------------------------------|------------------|
| 0 | Animation Comedy Fantasy Sci-Fi | 4.625761 |

| | | | |
|---|-----------------------|-------|----------|
| 1 | | Drama | 4.620719 |
| 2 | Action Crime Thriller | | 4.595166 |
| 3 | | Drama | 4.584896 |
| 4 | | Drama | 4.581592 |

Tops 5 Recommendations for User 40:

| | movieId | | title \ |
|---|---------|---|-------------------------|
| 0 | 2202 | | Lifeboat (1944) |
| 1 | 3200 | | Last Detail, The (1973) |
| 2 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 3 | 3435 | | Double Indemnity (1944) |
| 4 | 1178 | | Paths of Glory (1957) |

| | | genres | predicted_rating |
|---|---------------------------------------|-----------------------|------------------|
| 0 | | Drama War | 4.919582 |
| 1 | | Comedy Drama | 4.851909 |
| 2 | Action Animation Drama Fantasy Sci-Fi | | 4.795050 |
| 3 | | Crime Drama Film-Noir | 4.785456 |
| 4 | | Drama War | 4.752418 |

Tops 5 Recommendations for User 41:

| | movieId | | title \ |
|---|---------|--|----------------------------------|
| 0 | 1178 | | Paths of Glory (1957) |
| 1 | 1223 | Grand Day Out with Wallace and Gromit, A | (1989) |
| 2 | 2924 | | Drunken Master (Jui kuen) (1978) |
| 3 | 912 | | Casablanca (1942) |
| 4 | 1104 | | Streetcar Named Desire, A (1951) |

| | | genres | predicted_rating |
|---|--|---------------|------------------|
| 0 | | Drama War | 4.231128 |
| 1 | Adventure Animation Children Comedy Sci-Fi | | 4.081852 |
| 2 | | Action Comedy | 4.058180 |
| 3 | | Drama Romance | 4.044417 |
| 4 | | Drama | 4.041026 |

Tops 5 Recommendations for User 42:

| | movieId | | title \ |
|---|---------|---|----------------------------------|
| 0 | 6791 | Babette's Feast (Babettes gæstebud) | (1987) |
| 1 | 1104 | | Streetcar Named Desire, A (1951) |
| 2 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | |
| 3 | 3019 | | Drugstore Cowboy (1989) |
| 4 | 1178 | | Paths of Glory (1957) |

| | | genres | predicted_rating |
|---|-----------------------------|-------------|------------------|
| 0 | | Drama | 4.676263 |
| 1 | | Drama | 4.622857 |
| 2 | Comedy Crime Drama Thriller | | 4.609604 |
| 3 | | Crime Drama | 4.603975 |
| 4 | | Drama War | 4.596896 |

Tops 5 Recommendations for User 43:

| | movieId | title | genres | predicted_rating |
|---|---------|---------------------------|---------------|------------------|
| 0 | 28 | Persuasion (1995) | Drama Romance | 5 |
| 1 | 41 | Richard III (1995) | Drama War | 5 |
| 2 | 162 | Crumb (1994) | Documentary | 5 |
| 3 | 176 | Living in Oblivion (1995) | Comedy | 5 |
| 4 | 246 | Hoop Dreams (1994) | Documentary | 5 |

Tops 5 Recommendations for User 44:

| | movieId | title | genres \ |
|---|---------|--|-----------------|
| 0 | 3200 | Last Detail, The (1973) | Comedy Drama |
| 1 | 65642 | Timecrimes (Cronocrímenes, Los) (2007) | Sci-Fi Thriller |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 3 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 4 | 1217 | Ran (1985) | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 4.598196 |
| 1 | 4.543558 |
| 2 | 4.542466 |
| 3 | 4.520777 |
| 4 | 4.516316 |

Tops 5 Recommendations for User 45:

| | movieId | | title | genres \ |
|---|---------|-------------------------------------|--------|----------|
| 0 | 3451 | Guess Who's Coming to Dinner | (1967) | Drama |
| 1 | 6460 | Trial, The (Procès, Le) | (1962) | Drama |
| 2 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 3 | 6791 | Babette's Feast (Babettes gæstebud) | (1987) | Drama |
| 4 | 51931 | Reign Over Me | (2007) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.826376 |
| 1 | 4.806674 |
| 2 | 4.786851 |
| 3 | 4.758035 |
| 4 | 4.724983 |

Tops 5 Recommendations for User 46:

| | movieId | | title | \ |
|---|---------|---|--------|---|
| 0 | 2202 | Lifeboat | (1944) | |
| 1 | 3200 | Last Detail, The | (1973) | |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | |
| 3 | 106642 | Day of the Doctor, The | (2013) | |
| 4 | 1178 | Paths of Glory | (1957) | |

| | genres | predicted_rating |
|---|------------------------|------------------|
| 0 | Drama War | 4.911637 |
| 1 | Comedy Drama | 4.881900 |
| 2 | Crime Drama | 4.874477 |
| 3 | Adventure Drama Sci-Fi | 4.871335 |
| 4 | Drama War | 4.850509 |

Tops 5 Recommendations for User 47:

| | movieId | | title | \ |
|---|---------|---|--------|---|
| 0 | 1217 | Ran | (1985) | |
| 1 | 106642 | Day of the Doctor, The | (2013) | |
| 2 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) | (1... | |
| 3 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | | |
| 4 | 28 | Persuasion | (1995) | |

| | genres | predicted_rating |
|---|------------------------|------------------|
| 0 | Drama War | 3.996058 |
| 1 | Adventure Drama Sci-Fi | 3.975667 |
| 2 | Drama Romance | 3.879125 |
| 3 | Drama War | 3.866200 |
| 4 | Drama Romance | 3.846114 |

Tops 5 Recommendations for User 48:

| | movieId | | title | \ |
|---|---------|---|--------|---|
| 0 | 87234 | Submarine | (2010) | |
| 1 | 1178 | Paths of Glory | (1957) | |
| 2 | 3200 | Last Detail, The | (1973) | |
| 3 | 1104 | Streetcar Named Desire, A | (1951) | |
| 4 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | | |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Comedy Drama Romance | 4.740725 |
| 1 | Drama War | 4.732366 |
| 2 | Comedy Drama | 4.722432 |
| 3 | Drama | 4.717849 |
| 4 | Action Animation Drama Fantasy Sci-Fi | 4.677949 |

Tops 5 Recommendations for User 49:

| | movieId | | title | \ |
|---|---------|---|--------|---|
| 0 | 2202 | Lifeboat | (1944) | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | |
| 2 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | | |
| 3 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | | |
| 4 | 1217 | Ran | (1985) | |

| | genres | predicted_rating |
|---|-----------|------------------|
| 0 | Drama War | 4.768957 |
| 1 | Drama | 4.662748 |

| | | |
|---|---------------------------------------|----------|
| 2 | Action Animation Drama Fantasy Sci-Fi | 4.632475 |
| 3 | Drama War | 4.626983 |
| 4 | Drama War | 4.609559 |

Tops 5 Recommendations for User 50:

| | movieId | | title | genres \ |
|---|---------|---|----------------------------------|-------------|
| 0 | 1178 | | Paths of Glory (1957) | Drama War |
| 1 | 1104 | | Streetcar Named Desire, A (1951) | Drama |
| 2 | 2202 | | Lifeboat (1944) | Drama War |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 4 | 1217 | | Ran (1985) | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 3.733856 |
| 1 | 3.656572 |
| 2 | 3.643075 |
| 3 | 3.641473 |
| 4 | 3.613109 |

Tops 5 Recommendations for User 51:

| | movieId | | title | \ |
|---|---------|---|--------|---|
| 0 | 1210 | Star Wars: Episode VI - Return of the Jedi | (1983) | |
| 1 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | | |
| 2 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) | (1... | |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | |
| 4 | 5008 | Witness for the Prosecution | (1957) | |

| | genres | predicted_rating |
|---|-------------------------|------------------|
| 0 | Action Adventure Sci-Fi | 4.768522 |
| 1 | Drama War | 4.741138 |
| 2 | Drama Romance | 4.737973 |
| 3 | Crime Drama | 4.725326 |
| 4 | Drama Mystery Thriller | 4.723069 |

Tops 5 Recommendations for User 52:

| | movieId | | title | genres \ |
|---|---------|---|----------------------------------|--------------|
| 0 | 1104 | | Streetcar Named Desire, A (1951) | Drama |
| 1 | 2202 | | Lifeboat (1944) | Drama War |
| 2 | 8132 | | Gladiator (1992) | Action Drama |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 4 | 1041 | | Secrets & Lies (1996) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 5.00000 |
| 1 | 5.00000 |
| 2 | 5.00000 |
| 3 | 5.00000 |
| 4 | 4.99476 |

Tops 5 Recommendations for User 53:

| | movieId | | title | \ |
|---|---------|---|-------------------------|---|
| 0 | 6 | | Heat (1995) | |
| 1 | 28 | | Persuasion (1995) | |
| 2 | 29 | City of Lost Children, The (Cité des enfants p... | | |
| 3 | 32 | Twelve Monkeys (a.k.a. 12 Monkeys) | (1995) | |
| 4 | 36 | | Dead Man Walking (1995) | |

| | genres | predicted_rating |
|---|--|------------------|
| 0 | Action Crime Thriller | 5 |
| 1 | Drama Romance | 5 |
| 2 | Adventure Drama Fantasy Mystery Sci-Fi | 5 |
| 3 | Mystery Sci-Fi Thriller | 5 |
| 4 | Crime Drama | 5 |

Tops 5 Recommendations for User 54:

| | movieId | | title | genres \ |
|---|---------|---|-----------------------|--------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 1 | 3451 | Guess Who's Coming to Dinner | (1967) | Drama |
| 2 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | | Drama War |
| 3 | 3200 | Last Detail, The | (1973) | Comedy Drama |
| 4 | 1178 | | Paths of Glory (1957) | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 3.944697 |
| 1 | 3.923350 |
| 2 | 3.888067 |
| 3 | 3.842019 |
| 4 | 3.831295 |

Tops 5 Recommendations for User 55:

| | movieId | title \ |
|---|---------|---|
| 0 | 2239 | Swept Away (Travolti da un insolito destino ne... |
| 1 | 741 | Ghost in the Shell (Kôkaku kidôtai) (1995) |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 3 | 3111 | Places in the Heart (1984) |
| 4 | 1041 | Secrets & Lies (1996) |

| | genres | predicted_rating |
|---|------------------|------------------|
| 0 | Comedy Drama | 4.053649 |
| 1 | Animation Sci-Fi | 4.008809 |
| 2 | Crime Drama | 4.005517 |
| 3 | Drama | 3.954121 |
| 4 | Drama | 3.947959 |

Tops 5 Recommendations for User 56:

| | movieId | title | genres \ |
|---|---------|--|-------------|
| 0 | 3451 | Guess Who's Coming to Dinner (1967) | Drama |
| 1 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 2 | 246 | Hoop Dreams (1994) | Documentary |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 4 | 1178 | Paths of Glory (1957) | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 4.782150 |
| 1 | 4.758192 |
| 2 | 4.735299 |
| 3 | 4.723134 |
| 4 | 4.721495 |

Tops 5 Recommendations for User 57:

| | movieId | title \ |
|---|---------|---|
| 0 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 1 | 1178 | Paths of Glory (1957) |
| 2 | 1217 | Ran (1985) |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 4 | 930 | Notorious (1946) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Action Animation Drama Fantasy Sci-Fi | 4.382172 |
| 1 | Drama War | 4.356297 |
| 2 | Drama War | 4.326325 |
| 3 | Crime Drama | 4.291554 |
| 4 | Film-Noir Romance Thriller | 4.212940 |

Tops 5 Recommendations for User 58:

| | movieId | title | genres \ |
|---|---------|-------------------------------------|------------------------|
| 0 | 3451 | Guess Who's Coming to Dinner (1967) | Drama |
| 1 | 2202 | Lifeboat (1944) | Drama War |
| 2 | 1217 | Ran (1985) | Drama War |
| 3 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 4 | 106642 | Day of the Doctor, The (2013) | Adventure Drama Sci-Fi |

| | predicted_rating |
|---|------------------|
| 0 | 4.829288 |
| 1 | 4.790941 |
| 2 | 4.779787 |
| 3 | 4.778867 |
| 4 | 4.764232 |

Tops 5 Recommendations for User 59:

| | movieId | title | genres \ |
|---|---------|--|-------------|
| 0 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 2 | 1217 | Ran (1985) | Drama War |

```
3      2239  Swept Away (Travolti da un insolito destino ne...  Comedy|Drama
4      43376  Sophie Scholl: The Final Days (Sophie Scholl -...  Drama|War
```

```
    predicted_rating
0          5.000000
1          4.968451
2          4.929418
3          4.913268
4          4.896838
```

Tops 5 Recommendations for User 60:

```
    movieId                                     title \
0         3451                Guess Who's Coming to Dinner (1967)
1        43376  Sophie Scholl: The Final Days (Sophie Scholl -...
2         1104                Streetcar Named Desire, A (1951)
3         2202                                Lifeboat (1944)
4         4642                Hedwig and the Angry Inch (2000)
```

```
    genres  predicted_rating
0          Drama            4.480866
1        Drama|War          4.450687
2          Drama            4.447467
3        Drama|War          4.438304
4  Comedy|Drama|Musical      4.430846
```

Tops 5 Recommendations for User 61:

```
    movieId                                     title \
0         1104                Streetcar Named Desire, A (1951)
1         3266  Man Bites Dog (C'est arrivé près de chez vous)...
2         1178                Paths of Glory (1957)
3         1217                                Ran (1985)
4        177593  Three Billboards Outside Ebbing, Missouri (2017)
```

```
    genres  predicted_rating
0          Drama            4.621505
1  Comedy|Crime|Drama|Thriller      4.597349
2          Drama|War          4.592007
3          Drama|War          4.582684
4          Crime|Drama          4.575553
```

Tops 5 Recommendations for User 62:

```
    movieId                                     title      genres \
0         2202                                Lifeboat (1944)  Drama|War
1         1178                Paths of Glory (1957)  Drama|War
2         3451                Guess Who's Coming to Dinner (1967)  Drama
3        177593  Three Billboards Outside Ebbing, Missouri (2017)  Crime|Drama
4         1104                Streetcar Named Desire, A (1951)  Drama
```

```
    predicted_rating
0          4.852305
1          4.828450
2          4.823611
3          4.822032
4          4.812514
```

Tops 5 Recommendations for User 63:

```
    movieId                                     title      genres \
0         6460                Trial, The (Procès, Le) (1962)  Drama
1        177593  Three Billboards Outside Ebbing, Missouri (2017)  Crime|Drama
2         1178                Paths of Glory (1957)  Drama|War
3        142488                Spotlight (2015)  Thriller
4         1104                Streetcar Named Desire, A (1951)  Drama
```

```
    predicted_rating
0          4.403718
1          4.381135
2          4.333325
3          4.330859
4          4.316744
```

Tops 5 Recommendations for User 64:

```
    movieId                                     title \
```

| | | |
|---|--------|--|
| 0 | 1178 | Paths of Glory (1957) |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 2 | 4642 | Hedwig and the Angry Inch (2000) |
| 3 | 1104 | Streetcar Named Desire, A (1951) |
| 4 | 2202 | Lifeboat (1944) |

| | genres | predicted_rating |
|---|----------------------|------------------|
| 0 | Drama War | 4.586671 |
| 1 | Crime Drama | 4.585290 |
| 2 | Comedy Drama Musical | 4.563062 |
| 3 | Drama | 4.535787 |
| 4 | Drama War | 4.525991 |

Tops 5 Recommendations for User 65:

| | movieId | | title | genres \ |
|---|---------|--|-------------|----------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama | |
| 1 | 6460 | Trial, The (Procès, Le) (1962) | Drama | |
| 2 | 1104 | Streetcar Named Desire, A (1951) | Drama | |
| 3 | 2202 | Lifeboat (1944) | Drama War | |
| 4 | 1041 | Secrets & Lies (1996) | Drama | |

| | predicted_rating |
|---|------------------|
| 0 | 4.599862 |
| 1 | 4.588272 |
| 2 | 4.577834 |
| 3 | 4.558339 |
| 4 | 4.548365 |

Tops 5 Recommendations for User 66:

| | movieId | | title | genres \ |
|---|---------|--|-------------|----------|
| 0 | 1104 | Streetcar Named Desire, A (1951) | Drama | |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama | |
| 2 | 1041 | Secrets & Lies (1996) | Drama | |
| 3 | 1178 | Paths of Glory (1957) | Drama War | |
| 4 | 2202 | Lifeboat (1944) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.861446 |
| 1 | 4.815965 |
| 2 | 4.792004 |
| 3 | 4.758900 |
| 4 | 4.757871 |

Tops 5 Recommendations for User 67:

| | movieId | | title | genres \ |
|---|---------|--|----------------|----------|
| 0 | 1104 | Streetcar Named Desire, A (1951) | Drama | |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama | |
| 2 | 1041 | Secrets & Lies (1996) | Drama | |
| 3 | 1237 | Seventh Seal, The (Sjunde inseglet, Det) (1957) | Drama | |
| 4 | 8477 | Jetée, La (1962) | Romance Sci-Fi | |

| | predicted_rating |
|---|------------------|
| 0 | 4.544786 |
| 1 | 4.531231 |
| 2 | 4.409735 |
| 3 | 4.404411 |
| 4 | 4.403927 |

Tops 5 Recommendations for User 68:

| | movieId | | title | genres \ |
|---|---------|--|--------------|----------|
| 0 | 3451 | Guess Who's Coming to Dinner (1967) | Drama | |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama | |
| 2 | 3200 | Last Detail, The (1973) | Comedy Drama | |
| 3 | 1237 | Seventh Seal, The (Sjunde inseglet, Det) (1957) | Drama | |
| 4 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -...) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.262203 |
| 1 | 4.234525 |
| 2 | 4.222716 |
| 3 | 4.203103 |
| 4 | 4.155767 |

Tops 5 Recommendations for User 69:

| | movieId | | title \ |
|---|---------|---|----------------------------------|
| 0 | 2202 | | Lifeboat (1944) |
| 1 | 1104 | | Streetcar Named Desire, A (1951) |
| 2 | 6791 | Babette's Feast (Babettes gæstebud) | (1987) |
| 3 | 1178 | | Paths of Glory (1957) |
| 4 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 5.000000 |
| 1 | Drama | 4.950832 |
| 2 | Drama | 4.945329 |
| 3 | Drama War | 4.939880 |
| 4 | Action Animation Drama Fantasy Sci-Fi | 4.918536 |

Tops 5 Recommendations for User 70:

| | movieId | | title \ |
|---|---------|---|-----------------|
| 0 | 2202 | | Lifeboat (1944) |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 3 | 3451 | Guess Who's Coming to Dinner | (1967) |
| 4 | 1217 | | Ran (1985) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.868990 |
| 1 | Action Animation Drama Fantasy Sci-Fi | 4.824595 |
| 2 | Crime Drama | 4.815454 |
| 3 | Drama | 4.801371 |
| 4 | Drama War | 4.799819 |

Tops 5 Recommendations for User 71:

| | movieId | | title \ |
|---|---------|---|--|
| 0 | 106642 | | Day of the Doctor, The (2013) |
| 1 | 6100 | | Midsummer Night's Sex Comedy, A (1982) |
| 2 | 3451 | | Guess Who's Coming to Dinner (1967) |
| 3 | 7121 | | Adam's Rib (1949) |
| 4 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) | (1... |

| | genres | predicted_rating |
|---|------------------------|------------------|
| 0 | Adventure Drama Sci-Fi | 4.513434 |
| 1 | Comedy Romance | 4.463139 |
| 2 | Drama | 4.453778 |
| 3 | Comedy Romance | 4.450119 |
| 4 | Drama Romance | 4.430232 |

Tops 5 Recommendations for User 72:

| | movieId | | title \ |
|---|---------|---|----------------------------------|
| 0 | 2202 | | Lifeboat (1944) |
| 1 | 1178 | | Paths of Glory (1957) |
| 2 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | |
| 3 | 1104 | | Streetcar Named Desire, A (1951) |
| 4 | 6791 | Babette's Feast (Babettes gæstebud) | (1987) |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Drama War | 4.888362 |
| 1 | Drama War | 4.784526 |
| 2 | Comedy Crime Drama Thriller | 4.765208 |
| 3 | Drama | 4.727823 |
| 4 | Drama | 4.700459 |

Tops 5 Recommendations for User 73:

| | movieId | | title \ |
|---|---------|---|--------------------------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 1 | 2202 | | Lifeboat (1944) |
| 2 | 6460 | | Trial, The (Procès, Le) (1962) |
| 3 | 1223 | Grand Day Out with Wallace and Gromit, A | (1989) |
| 4 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |

| | genres | predicted_rating |
|---|-------------|------------------|
| 0 | Crime Drama | 4.652950 |
| 1 | Drama War | 4.584209 |

| | | | |
|---|--|-------|----------|
| 2 | | Drama | 4.573250 |
| 3 | Adventure Animation Children Comedy Sci-Fi | | 4.555911 |
| 4 | Action Animation Drama Fantasy Sci-Fi | | 4.553230 |

Tops 5 Recommendations for User 74:

| | movieId | title \ |
|---|---------|---|
| 0 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 1 | 1104 | Streetcar Named Desire, A (1951) |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 3 | 1178 | Paths of Glory (1957) |
| 4 | 2202 | Lifeboat (1944) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Action Animation Drama Fantasy Sci-Fi | 4.880337 |
| 1 | Drama | 4.855751 |
| 2 | Crime Drama | 4.843749 |
| 3 | Drama War | 4.837965 |
| 4 | Drama War | 4.773543 |

Tops 5 Recommendations for User 75:

| | movieId | title \ |
|---|---------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 1 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... |
| 2 | 58559 | Dark Knight, The (2008) |
| 3 | 930 | Notorious (1946) |
| 4 | 3451 | Guess Who's Coming to Dinner (1967) |

| | genres | predicted_rating |
|---|----------------------------|------------------|
| 0 | Crime Drama | 4.347496 |
| 1 | Drama Romance | 4.229387 |
| 2 | Action Crime Drama IMAX | 4.135327 |
| 3 | Film-Noir Romance Thriller | 4.118528 |
| 4 | Drama | 4.111211 |

Tops 5 Recommendations for User 76:

| | movieId | title \ |
|---|---------|---|
| 0 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... |
| 1 | 1237 | Seventh Seal, The (Sjunde inseglet, Det) (1957) |
| 2 | 2202 | Lifeboat (1944) |
| 3 | 65642 | Timecrimes (Cronocrímenes, Los) (2007) |
| 4 | 2300 | Producers, The (1968) |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Comedy Crime Drama Thriller | 3.878139 |
| 1 | Drama | 3.798007 |
| 2 | Drama War | 3.785336 |
| 3 | Sci-Fi Thriller | 3.771589 |
| 4 | Comedy | 3.765711 |

Tops 5 Recommendations for User 77:

| | movieId | title | genres \ |
|---|---------|-------------------------------------|------------------------|
| 0 | 51931 | Reign Over Me (2007) | Drama |
| 1 | 87234 | Submarine (2010) | Comedy Drama Romance |
| 2 | 3451 | Guess Who's Coming to Dinner (1967) | Drama |
| 3 | 106642 | Day of the Doctor, The (2013) | Adventure Drama Sci-Fi |
| 4 | 3675 | White Christmas (1954) | Comedy Musical Romance |

| | predicted_rating |
|---|------------------|
| 0 | 4.718814 |
| 1 | 4.628971 |
| 2 | 4.585720 |
| 3 | 4.546679 |
| 4 | 4.543432 |

Tops 5 Recommendations for User 78:

| | movieId | title \ |
|---|---------|---|
| 0 | 1223 | Grand Day Out with Wallace and Gromit, A (1989) |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 2 | 1178 | Paths of Glory (1957) |
| 3 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 4 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... |

| | genres | predicted_rating |
|---|--|------------------|
| 0 | Adventure Animation Children Comedy Sci-Fi | 4.148557 |
| 1 | Crime Drama | 4.106223 |
| 2 | Drama War | 4.059654 |
| 3 | Action Animation Drama Fantasy Sci-Fi | 4.059301 |
| 4 | Drama Romance | 4.055352 |

Tops 5 Recommendations for User 79:

| | movieId | title | genres \ |
|---|---------|--|----------|
| 0 | 3451 | Guess Who's Coming to Dinner (1967) | |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | |
| 2 | 933 | To Catch a Thief (1955) | |
| 3 | 1104 | Streetcar Named Desire, A (1951) | |
| 4 | 1272 | Patton (1970) | |

| | genres | predicted_rating |
|---|--------------------------------|------------------|
| 0 | Drama | 4.833564 |
| 1 | Crime Drama | 4.818089 |
| 2 | Crime Mystery Romance Thriller | 4.754044 |
| 3 | Drama | 4.734718 |
| 4 | Drama War | 4.717205 |

Tops 5 Recommendations for User 80:

| | movieId | title | genres \ |
|---|---------|--|--------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 1 | 2202 | Lifeboat (1944) | Drama War |
| 2 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 3 | 3200 | Last Detail, The (1973) | Comedy Drama |
| 4 | 1178 | Paths of Glory (1957) | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 4.979140 |
| 1 | 4.969618 |
| 2 | 4.964407 |
| 3 | 4.963386 |
| 4 | 4.937508 |

Tops 5 Recommendations for User 81:

| | movieId | title | genres \ |
|---|---------|---|---------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 1 | 1041 | Secrets & Lies (1996) | Drama |
| 2 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | Drama Romance |
| 3 | 1178 | Paths of Glory (1957) | Drama War |
| 4 | 1104 | Streetcar Named Desire, A (1951) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 3.813482 |
| 1 | 3.802504 |
| 2 | 3.788939 |
| 3 | 3.784158 |
| 4 | 3.777742 |

Tops 5 Recommendations for User 82:

| | movieId | title | genres \ |
|---|---------|---|---------------|
| 0 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | Drama Romance |
| 1 | 142488 | Spotlight (2015) | Thriller |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 3 | 3200 | Last Detail, The (1973) | Comedy Drama |
| 4 | 3341 | Born Yesterday (1950) | Comedy |

| | predicted_rating |
|---|------------------|
| 0 | 4.502701 |
| 1 | 4.421209 |
| 2 | 4.416353 |
| 3 | 4.401779 |
| 4 | 4.379844 |

Tops 5 Recommendations for User 83:

| | movieId | title | genres \ |
|---|---------|--|----------|
| 0 | 3083 | All About My Mother (Todo sobre mi madre) (1999) | |
| 1 | 930 | Notorious (1946) | |
| 2 | 899 | Singin' in the Rain (1952) | |

3 26810 Bad Boy Bubby (1993)
4 912 Casablanca (1942)

| | genres | predicted_rating |
|---|----------------------------|------------------|
| 0 | Drama | 4.287835 |
| 1 | Film-Noir Romance Thriller | 4.209337 |
| 2 | Comedy Musical Romance | 4.140905 |
| 3 | Drama | 4.139864 |
| 4 | Drama Romance | 4.135901 |

Tops 5 Recommendations for User 84:

| | movieId | title | genres \ |
|---|---------|--|-------------|
| 0 | 1178 | Paths of Glory (1957) | Drama War |
| 1 | 2202 | Lifeboat (1944) | Drama War |
| 2 | 3451 | Guess Who's Coming to Dinner (1967) | Drama |
| 3 | 1237 | Seventh Seal, The (Sjunde inseglet, Det) (1957) | Drama |
| 4 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.513977 |
| 1 | 4.471072 |
| 2 | 4.418640 |
| 3 | 4.401019 |
| 4 | 4.391911 |

Tops 5 Recommendations for User 85:

| | movieId | title | genres \ |
|---|---------|--------------------------------------|---------------------|
| 0 | 2202 | Lifeboat (1944) | Drama War |
| 1 | 1250 | Bridge on the River Kwai, The (1957) | Adventure Drama War |
| 2 | 1203 | 12 Angry Men (1957) | Drama |
| 3 | 8477 | Jetée, La (1962) | Romance Sci-Fi |
| 4 | 93838 | The Raid: Redemption (2011) | Action Crime |

| | predicted_rating |
|---|------------------|
| 0 | 4.612106 |
| 1 | 4.572646 |
| 2 | 4.533322 |
| 3 | 4.529257 |
| 4 | 4.525069 |

Tops 5 Recommendations for User 86:

| | movieId | title | genres \ |
|---|---------|--|-------------|
| 0 | 6460 | Trial, The (Procès, Le) (1962) | Drama |
| 1 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 2 | 2202 | Lifeboat (1944) | Drama War |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 4 | 1178 | Paths of Glory (1957) | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 4.624287 |
| 1 | 4.569520 |
| 2 | 4.549708 |
| 3 | 4.545391 |
| 4 | 4.540472 |

Tops 5 Recommendations for User 87:

| | movieId | title \ |
|---|---------|---|
| 0 | 2202 | Lifeboat (1944) |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 3 | 1178 | Paths of Glory (1957) |
| 4 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.848159 |
| 1 | Action Animation Drama Fantasy Sci-Fi | 4.703323 |
| 2 | Crime Drama | 4.684379 |
| 3 | Drama War | 4.683007 |
| 4 | Drama War | 4.674741 |

Tops 5 Recommendations for User 88:

| movieId | title \ |
|---------|---------|
|---------|---------|

| | | |
|---|-------|---|
| 0 | 1178 | Paths of Glory (1957) |
| 1 | 2202 | Lifeboat (1944) |
| 2 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 3 | 750 | Dr. Strangelove or: How I Learned to Stop Worr... |
| 4 | 2571 | Matrix, The (1999) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.767125 |
| 1 | Drama War | 4.747940 |
| 2 | Action Animation Drama Fantasy Sci-Fi | 4.700196 |
| 3 | Comedy War | 4.681738 |
| 4 | Action Sci-Fi Thriller | 4.671098 |

Tops 5 Recommendations for User 89:

| | movieId | title \ |
|---|---------|---|
| 0 | 8477 | Jetée, La (1962) |
| 1 | 2571 | Matrix, The (1999) |
| 2 | 3429 | Creature Comforts (1989) |
| 3 | 1237 | Seventh Seal, The (Sjunde inseglet, Det) (1957) |
| 4 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Romance Sci-Fi | 4.415774 |
| 1 | Action Sci-Fi Thriller | 4.374856 |
| 2 | Animation Comedy | 4.355556 |
| 3 | Drama | 4.349388 |
| 4 | Comedy Crime Drama Thriller | 4.339232 |

Tops 5 Recommendations for User 90:

| | movieId | title | genres | predicted_rating |
|---|---------|-------------------------|------------------|------------------|
| 0 | 1217 | Ran (1985) | Drama War | 4.798233 |
| 1 | 246 | Hoop Dreams (1994) | Documentary | 4.777582 |
| 2 | 904 | Rear Window (1954) | Mystery Thriller | 4.774467 |
| 3 | 1178 | Paths of Glory (1957) | Drama War | 4.760446 |
| 4 | 527 | Schindler's List (1993) | Drama War | 4.746904 |

Tops 5 Recommendations for User 91:

| | movieId | title \ |
|---|---------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 1 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... |
| 2 | 1217 | Ran (1985) |
| 3 | 2202 | Lifeboat (1944) |
| 4 | 6460 | Trial, The (Procès, Le) (1962) |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Crime Drama | 4.324213 |
| 1 | Comedy Crime Drama Thriller | 4.321848 |
| 2 | Drama War | 4.291647 |
| 3 | Drama War | 4.267693 |
| 4 | Drama | 4.255286 |

Tops 5 Recommendations for User 92:

| | movieId | title \ |
|---|---------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 1 | 1104 | Streetcar Named Desire, A (1951) |
| 2 | 171495 | Cosmos |
| 3 | 3451 | Guess Who's Coming to Dinner (1967) |
| 4 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... |

| | genres | predicted_rating |
|---|--------------------|------------------|
| 0 | Crime Drama | 4.663055 |
| 1 | Drama | 4.660282 |
| 2 | (no genres listed) | 4.654856 |
| 3 | Drama | 4.643457 |
| 4 | Drama War | 4.619676 |

Tops 5 Recommendations for User 93:

| | movieId | title | genres \ |
|---|---------|------------------------------|--------------------------------|
| 0 | 246 | Hoop Dreams (1994) | Documentary |
| 1 | 905 | It Happened One Night (1934) | Comedy Romance |
| 2 | 930 | Notorious (1946) | Film-Noir Romance Thriller |
| 3 | 933 | To Catch a Thief (1955) | Crime Mystery Romance Thriller |

4 1041 Secrets & Lies (1996) Drama

```
predicted_rating
0 5
1 5
2 5
3 5
4 5
```

Tops 5 Recommendations for User 94:

```
movieId title \
0 106642 Day of the Doctor, The (2013)
1 7008 Last Tango in Paris (Ultimo tango a Parigi) (1...
2 8132 Gladiator (1992)
3 142488 Spotlight (2015)
4 43376 Sophie Scholl: The Final Days (Sophie Scholl -...
```

```
genres predicted_rating
0 Adventure|Drama|Sci-Fi 3.997893
1 Drama|Romance 3.977517
2 Action|Drama 3.974677
3 Thriller 3.920073
4 Drama|War 3.911134
```

Tops 5 Recommendations for User 95:

```
movieId title genres \
0 1178 Paths of Glory (1957) Drama|War
1 1217 Ran (1985) Drama|War
2 2202 Lifeboat (1944) Drama|War
3 1104 Streetcar Named Desire, A (1951) Drama
4 43376 Sophie Scholl: The Final Days (Sophie Scholl -... Drama|War
```

```
predicted_rating
0 4.871350
1 4.796116
2 4.782361
3 4.781128
4 4.769328
```

Tops 5 Recommendations for User 96:

```
movieId title \
0 2202 Lifeboat (1944)
1 27156 Neon Genesis Evangelion: The End of Evangelion...
2 720 Wallace & Gromit: The Best of Aardman Animatio...
3 5500 Top Secret! (1984)
4 969 African Queen, The (1951)
```

```
genres predicted_rating
0 Drama|War 4.892924
1 Action|Animation|Drama|Fantasy|Sci-Fi 4.833424
2 Adventure|Animation|Comedy 4.745721
3 Comedy 4.720161
4 Adventure|Comedy|Romance|War 4.713457
```

Tops 5 Recommendations for User 97:

```
movieId title \
0 1104 Streetcar Named Desire, A (1951)
1 6460 Trial, The (Procès, Le) (1962)
2 54190 Across the Universe (2007)
3 106642 Day of the Doctor, The (2013)
4 177593 Three Billboards Outside Ebbing, Missouri (2017)
```

```
genres predicted_rating
0 Drama 5
1 Drama 5
2 Drama|Fantasy|Musical|Romance 5
3 Adventure|Drama|Sci-Fi 5
4 Crime|Drama 5
```

Tops 5 Recommendations for User 98:

```
movieId title genres \
0 3451 Guess Who's Coming to Dinner (1967) Drama
```

| | | | |
|---|------|----------------------------------|----------------|
| 1 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 2 | 1041 | Secrets & Lies (1996) | Drama |
| 3 | 3200 | Last Detail, The (1973) | Comedy Drama |
| 4 | 8477 | Jetée, La (1962) | Romance Sci-Fi |

| | predicted_rating |
|---|------------------|
| 0 | 4.704115 |
| 1 | 4.681204 |
| 2 | 4.676666 |
| 3 | 4.630490 |
| 4 | 4.625155 |

Tops 5 Recommendations for User 99:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 246 | Hoop Dreams (1994) | |
| 1 | 260 | Star Wars: Episode IV - A New Hope (1977) | |
| 2 | 1104 | Streetcar Named Desire, A (1951) | |
| 3 | 1217 | Ran (1985) | |
| 4 | 1248 | Touch of Evil (1958) | |

| | genres | predicted_rating |
|---|--------------------------|------------------|
| 0 | Documentary | 5 |
| 1 | Action Adventure Sci-Fi | 5 |
| 2 | Drama | 5 |
| 3 | Drama War | 5 |
| 4 | Crime Film-Noir Thriller | 5 |

Tops 5 Recommendations for User 100:

| | movieId | | title | genres \ |
|---|---------|---|---------------|----------|
| 0 | 3200 | Last Detail, The (1973) | Comedy Drama | |
| 1 | 1104 | Streetcar Named Desire, A (1951) | Drama | |
| 2 | 3451 | Guess Who's Coming to Dinner (1967) | Drama | |
| 3 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | Drama Romance | |
| 4 | 2202 | Lifeboat (1944) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.780957 |
| 1 | 4.704301 |
| 2 | 4.692475 |
| 3 | 4.652302 |
| 4 | 4.645981 |

Tops 5 Recommendations for User 101:

| | movieId | | title \ |
|---|---------|--|---------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | |
| 1 | 1178 | Paths of Glory (1957) | |
| 2 | 1272 | Patton (1970) | |
| 3 | 5915 | Victory (a.k.a. Escape to Victory) (1981) | |
| 4 | 527 | Schindler's List (1993) | |

| | genres | predicted_rating |
|---|------------------|------------------|
| 0 | Crime Drama | 4.489534 |
| 1 | Drama War | 4.465885 |
| 2 | Drama War | 4.453765 |
| 3 | Action Drama War | 4.433409 |
| 4 | Drama War | 4.413282 |

Tops 5 Recommendations for User 102:

| | movieId | | title | genres \ |
|---|---------|--|-------------|----------|
| 0 | 1178 | Paths of Glory (1957) | Drama War | |
| 1 | 3019 | Drugstore Cowboy (1989) | Crime Drama | |
| 2 | 2202 | Lifeboat (1944) | Drama War | |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama | |
| 4 | 246 | Hoop Dreams (1994) | Documentary | |

| | predicted_rating |
|---|------------------|
| 0 | 4.349431 |
| 1 | 4.301841 |
| 2 | 4.297773 |
| 3 | 4.291630 |
| 4 | 4.289102 |

Tops 5 Recommendations for User 103:

| | movieId | | title | genres | \ |
|---|---------|---|----------------------------------|-------------|---|
| 0 | 1178 | | Paths of Glory (1957) | Drama War | |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 2 | 1217 | | Ran (1985) | Drama War | |
| 3 | 6460 | | Trial, The (Procès, Le) (1962) | Drama | |
| 4 | 1104 | | Streetcar Named Desire, A (1951) | Drama | |

| | predicted_rating |
|---|------------------|
| 0 | 4.714882 |
| 1 | 4.695456 |
| 2 | 4.682237 |
| 3 | 4.640681 |
| 4 | 4.628771 |

Tops 5 Recommendations for User 104:

| | movieId | | title | genres | \ |
|---|---------|---|-------------------------------------|-------------|---|
| 0 | 1104 | | Streetcar Named Desire, A (1951) | Drama | |
| 1 | 2202 | | Lifeboat (1944) | Drama War | |
| 2 | 1178 | | Paths of Glory (1957) | Drama War | |
| 3 | 3451 | | Guess Who's Coming to Dinner (1967) | Drama | |
| 4 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |

| | predicted_rating |
|---|------------------|
| 0 | 4.517184 |
| 1 | 4.451003 |
| 2 | 4.414792 |
| 3 | 4.388525 |
| 4 | 4.379952 |

Tops 5 Recommendations for User 105:

| | movieId | | title | \ |
|---|---------|---|----------------------------------|---|
| 0 | 2202 | | Lifeboat (1944) | |
| 1 | 1104 | | Streetcar Named Desire, A (1951) | |
| 2 | 1041 | | Secrets & Lies (1996) | |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | |
| 4 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | | |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.764924 |
| 1 | Drama | 4.745719 |
| 2 | Drama | 4.719629 |
| 3 | Crime Drama | 4.712930 |
| 4 | Action Animation Drama Fantasy Sci-Fi | 4.690367 |

Tops 5 Recommendations for User 106:

| | movieId | | title | genres | predicted_rating |
|---|---------|----------------------------------|-------------------------|--------------|------------------|
| 0 | 1104 | Streetcar Named Desire, A (1951) | | Drama | 5 |
| 1 | 1178 | | Paths of Glory (1957) | Drama War | 5 |
| 2 | 1217 | | Ran (1985) | Drama War | 5 |
| 3 | 2202 | | Lifeboat (1944) | Drama War | 5 |
| 4 | 3200 | | Last Detail, The (1973) | Comedy Drama | 5 |

Tops 5 Recommendations for User 107:

| | movieId | | title | genres | \ |
|---|---------|---|----------------------------------|--------------|---|
| 0 | 2202 | | Lifeboat (1944) | Drama War | |
| 1 | 3200 | | Last Detail, The (1973) | Comedy Drama | |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 3 | 1104 | | Streetcar Named Desire, A (1951) | Drama | |
| 4 | 1217 | | Ran (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.989881 |
| 1 | 4.870784 |
| 2 | 4.846903 |
| 3 | 4.844046 |
| 4 | 4.812778 |

Tops 5 Recommendations for User 108:

| | movieId | | title | \ |
|---|---------|--|-----------------------|---|
| 0 | 2202 | | Lifeboat (1944) | |
| 1 | 1178 | | Paths of Glory (1957) | |


```
2      1041      Secrets & Lies (1996)
3      27156 Neon Genesis Evangelion: The End of Evangelion...
4      177593 Three Billboards Outside Ebbing, Missouri (2017)
```

```

              genres predicted_rating
0      Drama|War      4.848428
1      Drama|War      4.824250
2      Drama      4.792137
3      Action|Animation|Drama|Fantasy|Sci-Fi      4.749625
4      Crime|Drama      4.724088
```

Tops 5 Recommendations for User 109:

```
      movieId      title \
0      2202      Lifeboat (1944)
1      1104      Streetcar Named Desire, A (1951)
2      3266 Man Bites Dog (C'est arrivé près de chez vous)...
3      177593 Three Billboards Outside Ebbing, Missouri (2017)
4      1248      Touch of Evil (1958)
```

```

              genres predicted_rating
0      Drama|War      4.310020
1      Drama      4.185720
2      Comedy|Crime|Drama|Thriller      4.165079
3      Crime|Drama      4.129438
4      Crime|Film-Noir|Thriller      4.125259
```

Tops 5 Recommendations for User 110:

```
      movieId      title \
0      2202      Lifeboat (1944)
1      6460      Trial, The (Procès, Le) (1962)
2      1104      Streetcar Named Desire, A (1951)
3      177593 Three Billboards Outside Ebbing, Missouri (2017)
4      27156 Neon Genesis Evangelion: The End of Evangelion...
```

```

              genres predicted_rating
0      Drama|War      4.545514
1      Drama      4.509696
2      Drama      4.487101
3      Crime|Drama      4.478081
4      Action|Animation|Drama|Fantasy|Sci-Fi      4.464577
```

Tops 5 Recommendations for User 111:

```
      movieId      title \
0      177593 Three Billboards Outside Ebbing, Missouri (2017)
1      26810      Bad Boy Bubby (1993)
2      4642      Hedwig and the Angry Inch (2000)
3      51931      Reign Over Me (2007)
4      1104      Streetcar Named Desire, A (1951)
```

```

              genres predicted_rating
0      Crime|Drama      4.379690
1      Drama      4.331486
2      Comedy|Drama|Musical      4.322445
3      Drama      4.318389
4      Drama      4.306083
```

Tops 5 Recommendations for User 112:

```
      movieId      title \
0      51931      Reign Over Me (2007)
1      27156 Neon Genesis Evangelion: The End of Evangelion...
2      3019      Drugstore Cowboy (1989)
3      741      Ghost in the Shell (Kôkaku kidôtai) (1995)
4      65642      Timecrimes (Cronocrímenes, Los) (2007)
```

```

              genres predicted_rating
0      Drama      4.565132
1      Action|Animation|Drama|Fantasy|Sci-Fi      4.501618
2      Crime|Drama      4.479294
3      Animation|Sci-Fi      4.462552
4      Sci-Fi|Thriller      4.420954
```

Tops 5 Recommendations for User 113:

| | movieId | | title | genres \ |
|---|---------|---|--------------------------------|-------------|
| 0 | 6460 | | Trial, The (Procès, Le) (1962) | Drama |
| 1 | 26810 | | Bad Boy Bubby (1993) | Drama |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 3 | 2360 | Celebration, The (Festen) | (1998) | Drama |
| 4 | 1949 | Man for All Seasons, A | (1966) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.638267 |
| 1 | 4.616579 |
| 2 | 4.607970 |
| 3 | 4.582480 |
| 4 | 4.526811 |

Tops 5 Recommendations for User 114:

| | movieId | | title | genres \ |
|---|---------|--|--------|--------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 1 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -...) | | Drama War |
| 2 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 3 | 246 | Hoop Dreams | (1994) | Documentary |
| 4 | 8132 | Gladiator | (1992) | Action Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.259761 |
| 1 | 4.257801 |
| 2 | 4.208041 |
| 3 | 4.186333 |
| 4 | 4.158017 |

Tops 5 Recommendations for User 115:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 1178 | Paths of Glory | (1957) |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 2 | 1250 | Bridge on the River Kwai, The | (1957) |
| 3 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) | (1... |
| 4 | 1104 | Streetcar Named Desire, A | (1951) |

| | genres | predicted_rating |
|---|---------------------|------------------|
| 0 | Drama War | 4.792869 |
| 1 | Crime Drama | 4.719475 |
| 2 | Adventure Drama War | 4.719030 |
| 3 | Drama Romance | 4.651752 |
| 4 | Drama | 4.645639 |

Tops 5 Recommendations for User 116:

| | movieId | | title \ |
|---|---------|--|---------|
| 0 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -...) | |
| 1 | 8132 | Gladiator | (1992) |
| 2 | 106642 | Day of the Doctor, The | (2013) |
| 3 | 3451 | Guess Who's Coming to Dinner | (1967) |
| 4 | 2202 | Lifeboat | (1944) |

| | genres | predicted_rating |
|---|------------------------|------------------|
| 0 | Drama War | 4.367252 |
| 1 | Action Drama | 4.360063 |
| 2 | Adventure Drama Sci-Fi | 4.317934 |
| 3 | Drama | 4.294740 |
| 4 | Drama War | 4.258544 |

Tops 5 Recommendations for User 117:

| | movieId | | title | genres \ |
|---|---------|---|--------|--------------|
| 0 | 2202 | Lifeboat | (1944) | Drama War |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 2 | 1178 | Paths of Glory | (1957) | Drama War |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 4 | 3200 | Last Detail, The | (1973) | Comedy Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.311883 |
| 1 | 4.290108 |
| 2 | 4.272124 |
| 3 | 4.266276 |

Tops 5 Recommendations for User 118:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 1 | 2360 | Celebration, The (Festen) | (1998) |
| 2 | 1178 | Paths of Glory | (1957) |
| 3 | 51931 | Reign Over Me | (2007) |
| 4 | 3836 | Kelly's Heroes | (1970) |

| | genres | predicted_rating |
|---|-------------------|------------------|
| 0 | Crime Drama | 4.427462 |
| 1 | Drama | 4.394224 |
| 2 | Drama War | 4.384433 |
| 3 | Drama | 4.353297 |
| 4 | Action Comedy War | 4.346933 |

Tops 5 Recommendations for User 119:

| | movieId | | title | genres \ |
|---|---------|---|--------|-------------|
| 0 | 2202 | Lifeboat | (1944) | Drama War |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 2 | 3451 | Guess Who's Coming to Dinner | (1967) | Drama |
| 3 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 4 | 1217 | Ran | (1985) | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 4.948903 |
| 1 | 4.910566 |
| 2 | 4.906925 |
| 3 | 4.904607 |
| 4 | 4.847663 |

Tops 5 Recommendations for User 120:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 1178 | Paths of Glory | (1957) |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 2 | 1104 | Streetcar Named Desire, A | (1951) |
| 3 | 527 | Schindler's List | (1993) |
| 4 | 912 | Casablanca | (1942) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.633238 |
| 1 | Action Animation Drama Fantasy Sci-Fi | 4.530341 |
| 2 | Drama | 4.485421 |
| 3 | Drama War | 4.447343 |
| 4 | Drama Romance | 4.407730 |

Tops 5 Recommendations for User 121:

| | movieId | | title | genres | predicted_rating |
|---|---------|---------------------------|--------|----------------|------------------|
| 0 | 2202 | Lifeboat | (1944) | Drama War | 4.317358 |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | 4.228390 |
| 2 | 1178 | Paths of Glory | (1957) | Drama War | 4.201221 |
| 3 | 8477 | Jetée, La | (1962) | Romance Sci-Fi | 4.182452 |
| 4 | 6460 | Trial, The (Procès, Le) | (1962) | Drama | 4.173125 |

Tops 5 Recommendations for User 122:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 246 | Hoop Dreams | (1994) |
| 1 | 741 | Ghost in the Shell (Kôkaku kidôtai) | (1995) |
| 2 | 750 | Dr. Strangelove or: How I Learned to Stop Worr... | |
| 3 | 904 | Rear Window | (1954) |
| 4 | 930 | Notorious | (1946) |

| | genres | predicted_rating |
|---|----------------------------|------------------|
| 0 | Documentary | 5 |
| 1 | Animation Sci-Fi | 5 |
| 2 | Comedy War | 5 |
| 3 | Mystery Thriller | 5 |
| 4 | Film-Noir Romance Thriller | 5 |

Tops 5 Recommendations for User 123:

| | movieId | | title | genres \ |
|--|---------|--|-------|----------|
|--|---------|--|-------|----------|

| | | | |
|---|--------|--|--------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 1 | 1041 | Secrets & Lies (1996) | Drama |
| 2 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 3 | 1178 | Paths of Glory (1957) | Drama War |
| 4 | 3200 | Last Detail, The (1973) | Comedy Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.580604 |
| 1 | 4.551805 |
| 2 | 4.539407 |
| 3 | 4.536850 |
| 4 | 4.500677 |

Tops 5 Recommendations for User 124:

| | movieId | title \ |
|---|---------|---|
| 0 | 2202 | Lifeboat (1944) |
| 1 | 1217 | Ran (1985) |
| 2 | 1178 | Paths of Glory (1957) |
| 3 | 1104 | Streetcar Named Desire, A (1951) |
| 4 | 720 | Wallace & Gromit: The Best of Aardman Animatio... |

| | genres | predicted_rating |
|---|----------------------------|------------------|
| 0 | Drama War | 4.734419 |
| 1 | Drama War | 4.673596 |
| 2 | Drama War | 4.629168 |
| 3 | Drama | 4.614698 |
| 4 | Adventure Animation Comedy | 4.582136 |

Tops 5 Recommendations for User 125:

| | movieId | title | genres \ |
|---|---------|---|-----------|
| 0 | 2202 | Lifeboat (1944) | Drama War |
| 1 | 1217 | Ran (1985) | Drama War |
| 2 | 6460 | Trial, The (Procès, Le) (1962) | Drama |
| 3 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 4 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 4.643640 |
| 1 | 4.629032 |
| 2 | 4.602826 |
| 3 | 4.564545 |
| 4 | 4.529991 |

Tops 5 Recommendations for User 126:

| | movieId | title \ |
|---|---------|---|
| 0 | 2202 | Lifeboat (1944) |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 2 | 87234 | Submarine (2010) |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 4 | 3200 | Last Detail, The (1973) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.510106 |
| 1 | Action Animation Drama Fantasy Sci-Fi | 4.337106 |
| 2 | Comedy Drama Romance | 4.295198 |
| 3 | Crime Drama | 4.258406 |
| 4 | Comedy Drama | 4.213018 |

Tops 5 Recommendations for User 127:

| | movieId | title | genres \ |
|---|---------|---|---------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 1 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 2 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | Drama Romance |
| 3 | 3451 | Guess Who's Coming to Dinner (1967) | Drama |
| 4 | 2318 | Happiness (1998) | Comedy Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.324099 |
| 1 | 4.173266 |
| 2 | 4.101654 |
| 3 | 4.099078 |
| 4 | 4.057963 |

Tops 5 Recommendations for User 128:

| | movieId | | title | genres | \ |
|---|---------|------------------------------|-----------------------|--------------|---|
| 0 | 1178 | | Paths of Glory (1957) | Drama War | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 3200 | Last Detail, The | (1973) | Comedy Drama | |
| 3 | 3451 | Guess Who's Coming to Dinner | (1967) | Drama | |
| 4 | 5500 | Top Secret! | (1984) | Comedy | |

| | predicted_rating |
|---|------------------|
| 0 | 4.691167 |
| 1 | 4.684220 |
| 2 | 4.647073 |
| 3 | 4.642888 |
| 4 | 4.630846 |

Tops 5 Recommendations for User 129:

| | movieId | | title | \ |
|---|---------|---|--------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | |
| 1 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | | |
| 2 | 106642 | Day of the Doctor, The | (2013) | |
| 3 | 1104 | Streetcar Named Desire, A | (1951) | |
| 4 | 1217 | Ran | (1985) | |

| | genres | predicted_rating |
|---|------------------------|------------------|
| 0 | Crime Drama | 4.653497 |
| 1 | Drama War | 4.621532 |
| 2 | Adventure Drama Sci-Fi | 4.586664 |
| 3 | Drama | 4.574297 |
| 4 | Drama War | 4.573269 |

Tops 5 Recommendations for User 130:

| | movieId | | title | genres | \ |
|---|---------|---|--------|---------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 40491 | Match Factory Girl, The (Tulitikkutehtaan tytt... | | Comedy Drama | |
| 2 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 3 | 2131 | Autumn Sonata (Höstsonaten) | (1978) | Drama | |
| 4 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) | (1... | Drama Romance | |

| | predicted_rating |
|---|------------------|
| 0 | 4.514109 |
| 1 | 4.457035 |
| 2 | 4.345032 |
| 3 | 4.331665 |
| 4 | 4.325586 |

Tops 5 Recommendations for User 131:

| | movieId | | title | \ |
|---|---------|---|--------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | |
| 1 | 1248 | Touch of Evil | (1958) | |
| 2 | 1217 | Ran | (1985) | |
| 3 | 6460 | Trial, The (Procès, Le) | (1962) | |
| 4 | 1178 | Paths of Glory | (1957) | |

| | genres | predicted_rating |
|---|--------------------------|------------------|
| 0 | Crime Drama | 4.033101 |
| 1 | Crime Film-Noir Thriller | 4.010003 |
| 2 | Drama War | 3.969637 |
| 3 | Drama | 3.969461 |
| 4 | Drama War | 3.939032 |

Tops 5 Recommendations for User 132:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 1 | 1178 | Paths of Glory | (1957) | Drama War | |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 3 | 1041 | Secrets & Lies | (1996) | Drama | |
| 4 | 2202 | Lifeboat | (1944) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 3.867605 |
| 1 | 3.819552 |

| | |
|---|----------|
| 2 | 3.801037 |
| 3 | 3.799281 |
| 4 | 3.784365 |

Tops 5 Recommendations for User 133:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 1 | 1104 | Streetcar Named Desire, A | (1951) |
| 2 | 3200 | Last Detail, The | (1973) |
| 3 | 1178 | Paths of Glory | (1957) |
| 4 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Crime Drama | 3.896487 |
| 1 | Drama | 3.853811 |
| 2 | Comedy Drama | 3.794098 |
| 3 | Drama War | 3.785733 |
| 4 | Comedy Crime Drama Thriller | 3.752192 |

Tops 5 Recommendations for User 134:

| | movieId | | title | genres \ |
|---|---------|---|--------|-------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 1 | 1178 | Paths of Glory | (1957) | Drama War |
| 2 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 3 | 318 | Shawshank Redemption, The | (1994) | Crime Drama |
| 4 | 3451 | Guess Who's Coming to Dinner | (1967) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.545926 |
| 1 | 4.538796 |
| 2 | 4.511657 |
| 3 | 4.480287 |
| 4 | 4.467068 |

Tops 5 Recommendations for User 135:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 2202 | Lifeboat | (1944) |
| 1 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | |
| 2 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 4 | 750 | Dr. Strangelove or: How I Learned to Stop Worr... | |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.793709 |
| 1 | Comedy Crime Drama Thriller | 4.656933 |
| 2 | Action Animation Drama Fantasy Sci-Fi | 4.624560 |
| 3 | Crime Drama | 4.619142 |
| 4 | Comedy War | 4.587044 |

Tops 5 Recommendations for User 136:

| | movieId | | title | genres \ |
|---|---------|---|--------|---------------|
| 0 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) | (1... | Drama Romance |
| 1 | 1178 | Paths of Glory | (1957) | Drama War |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 3 | 2202 | Lifeboat | (1944) | Drama War |
| 4 | 92259 | Intouchables | (2011) | Comedy Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.604502 |
| 1 | 4.572359 |
| 2 | 4.508281 |
| 3 | 4.473826 |
| 4 | 4.464311 |

Tops 5 Recommendations for User 137:

| | movieId | | title | genres \ |
|---|---------|---|--------|-------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 1 | 6460 | Trial, The (Procès, Le) | (1962) | Drama |
| 2 | 1217 | Ran | (1985) | Drama War |
| 3 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 4 | 1178 | Paths of Glory | (1957) | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 4.577169 |
| 1 | 4.559105 |
| 2 | 4.545952 |
| 3 | 4.541453 |
| 4 | 4.537517 |

Tops 5 Recommendations for User 138:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 1 | 1178 | Paths of Glory | (1957) |
| 2 | 1104 | Streetcar Named Desire, A | (1951) |
| 3 | 8477 | Jetée, La | (1962) |
| 4 | 5915 | Victory (a.k.a. Escape to Victory) | (1981) |

| | genres | predicted_rating |
|---|------------------|------------------|
| 0 | Crime Drama | 4.720641 |
| 1 | Drama War | 4.560740 |
| 2 | Drama | 4.552212 |
| 3 | Romance Sci-Fi | 4.539375 |
| 4 | Action Drama War | 4.530592 |

Tops 5 Recommendations for User 139:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 3451 | Guess Who's Coming to Dinner | (1967) |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 2 | 2202 | Lifeboat | (1944) |
| 3 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | |
| 4 | 8477 | Jetée, La | (1962) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama | 3.244808 |
| 1 | Action Animation Drama Fantasy Sci-Fi | 3.148441 |
| 2 | Drama War | 3.148198 |
| 3 | Comedy Crime Drama Thriller | 3.144718 |
| 4 | Romance Sci-Fi | 3.138359 |

Tops 5 Recommendations for User 140:

| | movieId | | title | genres \ |
|---|---------|---|--------|-------------|
| 0 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 1 | 2202 | Lifeboat | (1944) | Drama War |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 3 | 1178 | Paths of Glory | (1957) | Drama War |
| 4 | 6791 | Babette's Feast (Babettes gæstebud) | (1987) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.317751 |
| 1 | 4.307412 |
| 2 | 4.306322 |
| 3 | 4.257195 |
| 4 | 4.241643 |

Tops 5 Recommendations for User 141:

| | movieId | | title | genres \ |
|---|---------|---|--------|-------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 2 | 1217 | Ran | (1985) | Drama War |
| 3 | 1178 | Paths of Glory | (1957) | Drama War |
| 4 | 2202 | Lifeboat | (1944) | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 4.268730 |
| 1 | 4.250415 |
| 2 | 4.226806 |
| 3 | 4.210287 |
| 4 | 4.187447 |

Tops 5 Recommendations for User 142:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 2202 | Lifeboat | (1944) |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 2 | 1217 | Ran | (1985) |

3 1104 Streetcar Named Desire, A (1951)
4 177593 Three Billboards Outside Ebbing, Missouri (2017)

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.781015 |
| 1 | Action Animation Drama Fantasy Sci-Fi | 4.717582 |
| 2 | Drama War | 4.664996 |
| 3 | Drama | 4.651669 |
| 4 | Crime Drama | 4.620196 |

Tops 5 Recommendations for User 143:

| | movieId | title \ |
|---|---------|--|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 1 | 1217 | Ran (1985) |
| 2 | 83969 | Down Argentine Way (1940) |
| 3 | 59141 | Son of Rambow (2007) |
| 4 | 1283 | High Noon (1952) |

| | genres | predicted_rating |
|---|-----------------------|------------------|
| 0 | Crime Drama | 4.311328 |
| 1 | Drama War | 4.279483 |
| 2 | Comedy Drama Romance | 4.218978 |
| 3 | Children Comedy Drama | 4.217646 |
| 4 | Drama Western | 4.197214 |

Tops 5 Recommendations for User 144:

| | movieId | title \ |
|---|---------|--|
| 0 | 6460 | Trial, The (Procès, Le) (1962) |
| 1 | 1104 | Streetcar Named Desire, A (1951) |
| 2 | 3200 | Last Detail, The (1973) |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 4 | 106642 | Day of the Doctor, The (2013) |

| | genres | predicted_rating |
|---|------------------------|------------------|
| 0 | Drama | 4.406123 |
| 1 | Drama | 4.399256 |
| 2 | Comedy Drama | 4.395003 |
| 3 | Crime Drama | 4.385462 |
| 4 | Adventure Drama Sci-Fi | 4.368142 |

Tops 5 Recommendations for User 145:

| | movieId | title \ |
|---|---------|---|
| 0 | 1104 | Streetcar Named Desire, A (1951) |
| 1 | 2202 | Lifeboat (1944) |
| 2 | 1178 | Paths of Glory (1957) |
| 3 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 4 | 1217 | Ran (1985) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama | 4.405317 |
| 1 | Drama War | 4.392809 |
| 2 | Drama War | 4.359014 |
| 3 | Action Animation Drama Fantasy Sci-Fi | 4.352642 |
| 4 | Drama War | 4.340109 |

Tops 5 Recommendations for User 146:

| | movieId | title \ |
|---|---------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 1 | 6460 | Trial, The (Procès, Le) (1962) |
| 2 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... |
| 3 | 1104 | Streetcar Named Desire, A (1951) |
| 4 | 1178 | Paths of Glory (1957) |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Crime Drama | 4.396318 |
| 1 | Drama | 4.385639 |
| 2 | Comedy Crime Drama Thriller | 4.373809 |
| 3 | Drama | 4.368369 |
| 4 | Drama War | 4.349810 |

Tops 5 Recommendations for User 147:

| | movieId | title \ |
|--|---------|---------|
|--|---------|---------|

| | | | |
|---|--------|---|-----------------|
| 0 | 2202 | | Lifeboat (1944) |
| 1 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | |
| 3 | 1104 | Streetcar Named Desire, A (1951) | |
| 4 | 3435 | Double Indemnity (1944) | |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Drama War | 4.896507 |
| 1 | Comedy Crime Drama Thriller | 4.739061 |
| 2 | Crime Drama | 4.728190 |
| 3 | Drama | 4.671937 |
| 4 | Crime Drama Film-Noir | 4.652580 |

Tops 5 Recommendations for User 148:

| | movieId | title \ |
|---|---------|---|
| 0 | 1104 | Streetcar Named Desire, A (1951) |
| 1 | 8477 | Jetée, La (1962) |
| 2 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... |
| 3 | 3200 | Last Detail, The (1973) |
| 4 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Drama | 4.356072 |
| 1 | Romance Sci-Fi | 4.325144 |
| 2 | Comedy Crime Drama Thriller | 4.306386 |
| 3 | Comedy Drama | 4.294101 |
| 4 | Crime Drama | 4.280483 |

Tops 5 Recommendations for User 149:

| | movieId | title \ |
|---|---------|---|
| 0 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 1 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... |
| 2 | 2959 | Fight Club (1999) |
| 3 | 905 | It Happened One Night (1934) |
| 4 | 2019 | Seven Samurai (Shichinin no samurai) (1954) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Action Animation Drama Fantasy Sci-Fi | 4.055253 |
| 1 | Comedy Crime Drama Thriller | 3.988377 |
| 2 | Action Crime Drama Thriller | 3.861946 |
| 3 | Comedy Romance | 3.828672 |
| 4 | Action Adventure Drama | 3.822019 |

Tops 5 Recommendations for User 150:

| | movieId | title | genres \ |
|---|---------|-------------------------------------|-----------------|
| 0 | 6460 | Trial, The (Procès, Le) (1962) | Drama |
| 1 | 3451 | Guess Who's Coming to Dinner (1967) | Drama |
| 2 | 1217 | Ran (1985) | Drama War |
| 3 | 3347 | Never Cry Wolf (1983) | Adventure Drama |
| 4 | 1104 | Streetcar Named Desire, A (1951) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.649118 |
| 1 | 4.641928 |
| 2 | 4.631583 |
| 3 | 4.621709 |
| 4 | 4.620797 |

Tops 5 Recommendations for User 151:

| | movieId | title | genres \ |
|---|---------|---|---------------|
| 0 | 8132 | Gladiator (1992) | Action Drama |
| 1 | 1178 | Paths of Glory (1957) | Drama War |
| 2 | 1217 | Ran (1985) | Drama War |
| 3 | 51931 | Reign Over Me (2007) | Drama |
| 4 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | Drama Romance |

| | predicted_rating |
|---|------------------|
| 0 | 4.670424 |
| 1 | 4.652151 |
| 2 | 4.649565 |
| 3 | 4.638259 |
| 4 | 4.634481 |

Tops 5 Recommendations for User 152:

| | movieId | title \ | genres | predicted_rating |
|---|---------|---|---------------------------------------|------------------|
| 0 | 6460 | Trial, The (Procès, Le) (1962) | Drama | 4.600837 |
| 1 | 1104 | Streetcar Named Desire, A (1951) | Drama | 4.536554 |
| 2 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | Action Animation Drama Fantasy Sci-Fi | 4.501264 |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama | 4.484568 |
| 4 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | Comedy Crime Drama Thriller | 4.458311 |

Tops 5 Recommendations for User 153:

| | movieId | title | genres \ | predicted_rating |
|---|---------|--|-------------|------------------|
| 0 | 1178 | Paths of Glory (1957) | Drama War | 3.527959 |
| 1 | 6460 | Trial, The (Procès, Le) (1962) | Drama | 3.407578 |
| 2 | 2202 | Lifeboat (1944) | Drama War | 3.395668 |
| 3 | 1041 | Secrets & Lies (1996) | Drama | 3.307846 |
| 4 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama | 3.291875 |

Tops 5 Recommendations for User 154:

| | movieId | title \ | genres | predicted_rating |
|---|---------|---|---------------------------------------|------------------|
| 0 | 1237 | Seventh Seal, The (Sjunde inseglet, Det) (1957) | Drama | 5.000000 |
| 1 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | Comedy Crime Drama Thriller | 5.000000 |
| 2 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | Action Animation Drama Fantasy Sci-Fi | 5.000000 |
| 3 | 51931 | Reign Over Me (2007) | Drama | 4.963349 |
| 4 | 6460 | Trial, The (Procès, Le) (1962) | Drama | 4.955424 |

Tops 5 Recommendations for User 155:

| | movieId | title \ | genres | predicted_rating |
|---|---------|---|----------------------------|------------------|
| 0 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | Drama Romance | 4.548649 |
| 1 | 3451 | Guess Who's Coming to Dinner (1967) | Drama | 4.526007 |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama | 4.511088 |
| 3 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | Drama War | 4.443374 |
| 4 | 930 | Notorious (1946) | Film-Noir Romance Thriller | 4.431595 |

Tops 5 Recommendations for User 156:

| | movieId | title \ | genres | predicted_rating |
|---|---------|--|-------------|------------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama | 4.367139 |
| 1 | 1041 | Secrets & Lies (1996) | Drama | 4.356470 |
| 2 | 89904 | The Artist (2011) | | |
| 3 | 3435 | Double Indemnity (1944) | | |
| 4 | 1104 | Streetcar Named Desire, A (1951) | | |

| | | |
|---|-----------------------|----------|
| 2 | Comedy Drama Romance | 4.330601 |
| 3 | Crime Drama Film-Noir | 4.316519 |
| 4 | Drama | 4.309939 |

Tops 5 Recommendations for User 157:

| | movieId | | title | \ |
|---|---------|--|---|---|
| 0 | 6460 | | Trial, The (Procès, Le) (1962) | |
| 1 | 177593 | | Three Billboards Outside Ebbing, Missouri (2017) | |
| 2 | 27156 | | Neon Genesis Evangelion: The End of Evangelion... | |
| 3 | 1104 | | Streetcar Named Desire, A (1951) | |
| 4 | 142488 | | Spotlight (2015) | |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama | 4.319597 |
| 1 | Crime Drama | 4.301737 |
| 2 | Action Animation Drama Fantasy Sci-Fi | 4.298625 |
| 3 | Drama | 4.286982 |
| 4 | Thriller | 4.282480 |

Tops 5 Recommendations for User 158:

| | movieId | | title | genres | \ |
|---|---------|--|---|---------------|---|
| 0 | 177593 | | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama | |
| 1 | 1217 | | Ran (1985) | Drama War | |
| 2 | 246 | | Hoop Dreams (1994) | Documentary | |
| 3 | 7008 | | Last Tango in Paris (Ultimo tango a Parigi) (1... | Drama Romance | |
| 4 | 1104 | | Streetcar Named Desire, A (1951) | Drama | |

| | predicted_rating |
|---|------------------|
| 0 | 4.451749 |
| 1 | 4.427630 |
| 2 | 4.332684 |
| 3 | 4.322807 |
| 4 | 4.320685 |

Tops 5 Recommendations for User 159:

| | movieId | | title | genres | \ |
|---|---------|--|------------------------------------|-----------------------|---|
| 0 | 89904 | | The Artist (2011) | Comedy Drama Romance | |
| 1 | 2131 | | Autumn Sonata (Höstsonaten) (1978) | Drama | |
| 2 | 1217 | | Ran (1985) | Drama War | |
| 3 | 116897 | | Wild Tales (2014) | Comedy Drama Thriller | |
| 4 | 1104 | | Streetcar Named Desire, A (1951) | Drama | |

| | predicted_rating |
|---|------------------|
| 0 | 4.135832 |
| 1 | 4.134893 |
| 2 | 4.132550 |
| 3 | 4.124570 |
| 4 | 4.112873 |

Tops 5 Recommendations for User 160:

| | movieId | | title | genres | \ |
|---|---------|--|--|--------------------------|---|
| 0 | 2202 | | Lifeboat (1944) | Drama War | |
| 1 | 4226 | | Memento (2000) | Mystery Thriller | |
| 2 | 1136 | | Monty Python and the Holy Grail (1975) | Adventure Comedy Fantasy | |
| 3 | 1178 | | Paths of Glory (1957) | Drama War | |
| 4 | 2391 | | Simple Plan, A (1998) | Crime Drama Thriller | |

| | predicted_rating |
|---|------------------|
| 0 | 4.509494 |
| 1 | 4.345834 |
| 2 | 4.291301 |
| 3 | 4.285090 |
| 4 | 4.248703 |

Tops 5 Recommendations for User 161:

| | movieId | | title | genres | \ |
|---|---------|--|-------------------------------|----------------------------|---|
| 0 | 2202 | | Lifeboat (1944) | Drama War | |
| 1 | 106642 | | Day of the Doctor, The (2013) | Adventure Drama Sci-Fi | |
| 2 | 45210 | | United 93 (2006) | Crime Drama | |
| 3 | 930 | | Notorious (1946) | Film-Noir Romance Thriller | |
| 4 | 1217 | | Ran (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.627273 |
| 1 | 4.545676 |
| 2 | 4.524598 |
| 3 | 4.517884 |
| 4 | 4.516597 |

Tops 5 Recommendations for User 162:

| | movieId | title \ |
|---|---------|---|
| 0 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 3 | 1178 | Paths of Glory (1957) |
| 4 | 1104 | Streetcar Named Desire, A (1951) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama Romance | 5.000000 |
| 1 | Action Animation Drama Fantasy Sci-Fi | 5.000000 |
| 2 | Crime Drama | 5.000000 |
| 3 | Drama War | 4.997501 |
| 4 | Drama | 4.996408 |

Tops 5 Recommendations for User 163:

| | movieId | title \ |
|---|---------|---|
| 0 | 1178 | Paths of Glory (1957) |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 2 | 2202 | Lifeboat (1944) |
| 3 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 4 | 106642 | Day of the Doctor, The (2013) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.257610 |
| 1 | Crime Drama | 4.253185 |
| 2 | Drama War | 4.185520 |
| 3 | Action Animation Drama Fantasy Sci-Fi | 4.166565 |
| 4 | Adventure Drama Sci-Fi | 4.160424 |

Tops 5 Recommendations for User 164:

| | movieId | title \ |
|---|---------|---|
| 0 | 2202 | Lifeboat (1944) |
| 1 | 65642 | Timecrimes (Cronocrímenes, Los) (2007) |
| 2 | 1262 | Great Escape, The (1963) |
| 3 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... |
| 4 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.958197 |
| 1 | Sci-Fi Thriller | 4.869599 |
| 2 | Action Adventure Drama War | 4.818637 |
| 3 | Drama War | 4.804342 |
| 4 | Action Animation Drama Fantasy Sci-Fi | 4.800413 |

Tops 5 Recommendations for User 165:

| | movieId | title \ |
|---|---------|--|
| 0 | 106642 | Day of the Doctor, The (2013) |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 2 | 142488 | Spotlight (2015) |
| 3 | 1178 | Paths of Glory (1957) |
| 4 | 3451 | Guess Who's Coming to Dinner (1967) |

| | genres | predicted_rating |
|---|------------------------|------------------|
| 0 | Adventure Drama Sci-Fi | 4.327281 |
| 1 | Crime Drama | 4.311948 |
| 2 | Thriller | 4.284521 |
| 3 | Drama War | 4.238836 |
| 4 | Drama | 4.234888 |

Tops 5 Recommendations for User 166:

| | movieId | title \ |
|---|---------|--|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 1 | 1217 | Ran (1985) |
| 2 | 1104 | Streetcar Named Desire, A (1951) |

```
3      2202      Lifeboat (1944)
4      27156 Neon Genesis Evangelion: The End of Evangelion...
```

```

              genres predicted_rating
0      Crime|Drama      4.671106
1      Drama|War      4.623077
2      Drama      4.620346
3      Drama|War      4.617669
4 Action|Animation|Drama|Fantasy|Sci-Fi      4.613145
```

Tops 5 Recommendations for User 167:

```
movieId      title \
0      7008 Last Tango in Paris (Ultimo tango a Parigi) (1...
1      177593 Three Billboards Outside Ebbing, Missouri (2017)
2      106642 Day of the Doctor, The (2013)
3      3266 Man Bites Dog (C'est arrivé près de chez vous)...
4      3451 Guess Who's Coming to Dinner (1967)
```

```

              genres predicted_rating
0      Drama|Romance      4.304319
1      Crime|Drama      4.266242
2      Adventure|Drama|Sci-Fi      4.223219
3 Comedy|Crime|Drama|Thriller      4.220847
4      Drama      4.215032
```

Tops 5 Recommendations for User 168:

```
movieId      title      genres \
0      177593 Three Billboards Outside Ebbing, Missouri (2017) Crime|Drama
1      1217 Ran (1985) Drama|War
2      2202 Lifeboat (1944) Drama|War
3      1104 Streetcar Named Desire, A (1951) Drama
4      1178 Paths of Glory (1957) Drama|War
```

```

predicted_rating
0      4.980833
1      4.966262
2      4.948318
3      4.944923
4      4.922916
```

Tops 5 Recommendations for User 169:

```
movieId      title      genres \
0      930 Notorious (1946) Film-Noir|Romance|Thriller
1      1041 Secrets & Lies (1996) Drama
2      1104 Streetcar Named Desire, A (1951) Drama
3      1178 Paths of Glory (1957) Drama|War
4      1217 Ran (1985) Drama|War
```

```

predicted_rating
0      5
1      5
2      5
3      5
4      5
```

Tops 5 Recommendations for User 170:

```
movieId      title      genres \
0      1104 Streetcar Named Desire, A (1951) Drama
1      1041 Secrets & Lies (1996) Drama
2      1217 Ran (1985) Drama|War
3      8477 Jetée, La (1962) Romance|Sci-Fi
4      177593 Three Billboards Outside Ebbing, Missouri (2017) Crime|Drama
```

```

predicted_rating
0      4.382777
1      4.335509
2      4.306672
3      4.299563
4      4.278874
```

Tops 5 Recommendations for User 171:

```
movieId      title \
```

| | | |
|---|------|---|
| 0 | 741 | Ghost in the Shell (Kôkaku kidôtai) (1995) |
| 1 | 750 | Dr. Strangelove or: How I Learned to Stop Worr... |
| 2 | 930 | Notorious (1946) |
| 3 | 1041 | Secrets & Lies (1996) |
| 4 | 1178 | Paths of Glory (1957) |

| | genres | predicted_rating |
|---|----------------------------|------------------|
| 0 | Animation Sci-Fi | 5 |
| 1 | Comedy War | 5 |
| 2 | Film-Noir Romance Thriller | 5 |
| 3 | Drama | 5 |
| 4 | Drama War | 5 |

Tops 5 Recommendations for User 172:

| | movieId | title \ |
|---|---------|---|
| 0 | 2202 | Lifeboat (1944) |
| 1 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... |
| 2 | 1178 | Paths of Glory (1957) |
| 3 | 1217 | Ran (1985) |
| 4 | 2239 | Swept Away (Travolti da un insolito destino ne... |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Drama War | 4.570868 |
| 1 | Comedy Crime Drama Thriller | 4.520423 |
| 2 | Drama War | 4.516573 |
| 3 | Drama War | 4.501569 |
| 4 | Comedy Drama | 4.491742 |

Tops 5 Recommendations for User 173:

| | movieId | title \ |
|---|---------|--|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 1 | 1217 | Ran (1985) |
| 2 | 3200 | Last Detail, The (1973) |
| 3 | 89904 | The Artist (2011) |
| 4 | 106642 | Day of the Doctor, The (2013) |

| | genres | predicted_rating |
|---|------------------------|------------------|
| 0 | Crime Drama | 4.324142 |
| 1 | Drama War | 4.286521 |
| 2 | Comedy Drama | 4.230154 |
| 3 | Comedy Drama Romance | 4.227283 |
| 4 | Adventure Drama Sci-Fi | 4.163354 |

Tops 5 Recommendations for User 174:

| | movieId | title | genres \ |
|---|---------|--|--------------|
| 0 | 1217 | Ran (1985) | Drama War |
| 1 | 246 | Hoop Dreams (1994) | Documentary |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 3 | 3200 | Last Detail, The (1973) | Comedy Drama |
| 4 | 176 | Living in Oblivion (1995) | Comedy |

| | predicted_rating |
|---|------------------|
| 0 | 4.663062 |
| 1 | 4.626712 |
| 2 | 4.592506 |
| 3 | 4.558840 |
| 4 | 4.558455 |

Tops 5 Recommendations for User 175:

| | movieId | title \ |
|---|---------|--|
| 0 | 2202 | Lifeboat (1944) |
| 1 | 1217 | Ran (1985) |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 3 | 1248 | Touch of Evil (1958) |
| 4 | 2324 | Life Is Beautiful (La Vita è bella) (1997) |

| | genres | predicted_rating |
|---|--------------------------|------------------|
| 0 | Drama War | 4.632891 |
| 1 | Drama War | 4.559421 |
| 2 | Crime Drama | 4.546018 |
| 3 | Crime Film-Noir Thriller | 4.527634 |
| 4 | Comedy Drama Romance War | 4.526759 |

Tops 5 Recommendations for User 176:

| | movieId | | title | genres | \ |
|---|---------|---|-------------------------|----------------|---|
| 0 | 2239 | Swept Away (Travolti da un insolito destino ne... | | Comedy Drama | |
| 1 | 8477 | | Jetée, La (1962) | Romance Sci-Fi | |
| 2 | 2360 | Celebration, The (Festen) (1998) | | Drama | |
| 3 | 3200 | | Last Detail, The (1973) | Comedy Drama | |
| 4 | 1104 | Streetcar Named Desire, A (1951) | | Drama | |

| | predicted_rating |
|---|------------------|
| 0 | 4.889241 |
| 1 | 4.840260 |
| 2 | 4.837240 |
| 3 | 4.834351 |
| 4 | 4.826023 |

Tops 5 Recommendations for User 177:

| | movieId | | title | genres | \ |
|---|---------|--|-------------------------|----------------|---|
| 0 | 2202 | | Lifeboat (1944) | Drama War | |
| 1 | 8477 | | Jetée, La (1962) | Romance Sci-Fi | |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | | Crime Drama | |
| 3 | 3200 | | Last Detail, The (1973) | Comedy Drama | |
| 4 | 6460 | Trial, The (Procès, Le) (1962) | | Drama | |

| | predicted_rating |
|---|------------------|
| 0 | 4.390585 |
| 1 | 4.349205 |
| 2 | 4.319117 |
| 3 | 4.298626 |
| 4 | 4.297835 |

Tops 5 Recommendations for User 178:

| | movieId | | title | \ |
|---|---------|---|-----------------------|---|
| 0 | 2202 | | Lifeboat (1944) | |
| 1 | 1178 | | Paths of Glory (1957) | |
| 2 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | | |
| 3 | 1041 | | Secrets & Lies (1996) | |
| 4 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | | |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 5.000000 |
| 1 | Drama War | 4.859599 |
| 2 | Action Animation Drama Fantasy Sci-Fi | 4.830934 |
| 3 | Drama | 4.761749 |
| 4 | Crime Drama | 4.742215 |

Tops 5 Recommendations for User 179:

| | movieId | | title | genres | \ |
|---|---------|---|------------------|----------------|---|
| 0 | 8477 | | Jetée, La (1962) | Romance Sci-Fi | |
| 1 | 2202 | | Lifeboat (1944) | Drama War | |
| 2 | 3451 | Guess Who's Coming to Dinner (1967) | | Drama | |
| 3 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | | Drama Romance | |
| 4 | 1217 | | Ran (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.675778 |
| 1 | 4.667287 |
| 2 | 4.626611 |
| 3 | 4.626576 |
| 4 | 4.624120 |

Tops 5 Recommendations for User 180:

| | movieId | | title | \ |
|---|---------|--|-------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | | |
| 1 | 4642 | Hedwig and the Angry Inch (2000) | | |
| 2 | 1178 | Paths of Glory (1957) | | |
| 3 | 2202 | Lifeboat (1944) | | |
| 4 | 106642 | Day of the Doctor, The (2013) | | |

| | genres | predicted_rating |
|---|----------------------|------------------|
| 0 | Crime Drama | 4.304684 |
| 1 | Comedy Drama Musical | 4.304356 |

| | | |
|---|------------------------|----------|
| 2 | Drama War | 4.238404 |
| 3 | Drama War | 4.232815 |
| 4 | Adventure Drama Sci-Fi | 4.224779 |

Tops 5 Recommendations for User 181:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 3451 | Guess Who's Coming to Dinner | (1967) |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 2 | 106642 | Day of the Doctor, The | (2013) |
| 3 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) | (1... |
| 4 | 62336 | FLCL | (2000) |

| | genres | predicted_rating |
|---|---------------------------------|------------------|
| 0 | Drama | 4.108046 |
| 1 | Crime Drama | 4.058317 |
| 2 | Adventure Drama Sci-Fi | 4.029604 |
| 3 | Drama Romance | 3.953492 |
| 4 | Animation Comedy Fantasy Sci-Fi | 3.947530 |

Tops 5 Recommendations for User 182:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 1178 | Paths of Glory | (1957) |
| 1 | 1248 | Touch of Evil | (1958) |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 3 | 2202 | Lifeboat | (1944) |
| 4 | 1217 | Ran | (1985) |

| | genres | predicted_rating |
|---|--------------------------|------------------|
| 0 | Drama War | 4.597107 |
| 1 | Crime Film-Noir Thriller | 4.417500 |
| 2 | Crime Drama | 4.402325 |
| 3 | Drama War | 4.373952 |
| 4 | Drama War | 4.330998 |

Tops 5 Recommendations for User 183:

| | movieId | | title | genres \ |
|---|---------|---|--------|---------------|
| 0 | 159817 | Planet Earth | (2006) | Documentary |
| 1 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) | (1... | Drama Romance |
| 2 | 1041 | Secrets & Lies | (1996) | Drama |
| 3 | 1217 | Ran | (1985) | Drama War |
| 4 | 2202 | Lifeboat | (1944) | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 4.497736 |
| 1 | 4.454205 |
| 2 | 4.452176 |
| 3 | 4.448685 |
| 4 | 4.416546 |

Tops 5 Recommendations for User 184:

| | movieId | | title | genres \ |
|---|---------|--|--------|------------------|
| 0 | 3019 | Drugstore Cowboy | (1989) | Crime Drama |
| 1 | 5915 | Victory (a.k.a. Escape to Victory) | (1981) | Action Drama War |
| 2 | 25771 | Andalusian Dog, An (Chien andalou, Un) | (1929) | Fantasy |
| 3 | 3200 | Last Detail, The | (1973) | Comedy Drama |
| 4 | 1041 | Secrets & Lies | (1996) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.667556 |
| 1 | 4.604942 |
| 2 | 4.575082 |
| 3 | 4.540959 |
| 4 | 4.514418 |

Tops 5 Recommendations for User 185:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 1 | 3200 | Last Detail, The | (1973) |
| 2 | 1248 | Touch of Evil | (1958) |
| 3 | 1104 | Streetcar Named Desire, A | (1951) |
| 4 | 2202 | Lifeboat | (1944) |

| | genres | predicted_rating |
|---|--------------------------|------------------|
| 0 | Crime Drama | 4.486829 |
| 1 | Comedy Drama | 4.485016 |
| 2 | Crime Film-Noir Thriller | 4.436625 |
| 3 | Drama | 4.399963 |
| 4 | Drama War | 4.395143 |

Tops 5 Recommendations for User 186:

| | movieId | | title | genres \ |
|---|---------|---|--------|-------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 1 | 6460 | Trial, The (Procès, Le) | (1962) | Drama |
| 2 | 1217 | Ran | (1985) | Drama War |
| 3 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 4 | 2202 | Lifeboat | (1944) | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 4.862780 |
| 1 | 4.802112 |
| 2 | 4.784892 |
| 3 | 4.784523 |
| 4 | 4.773366 |

Tops 5 Recommendations for User 187:

| | movieId | | title | \ |
|---|---------|---|--------|---|
| 0 | 1178 | Paths of Glory | (1957) | |
| 1 | 2202 | Lifeboat | (1944) | |
| 2 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | | |
| 3 | 1104 | Streetcar Named Desire, A | (1951) | |
| 4 | 3683 | Blood Simple | (1984) | |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Drama War | 4.469946 |
| 1 | Drama War | 4.387157 |
| 2 | Comedy Crime Drama Thriller | 4.362238 |
| 3 | Drama | 4.342514 |
| 4 | Crime Drama Film-Noir | 4.315987 |

Tops 5 Recommendations for User 188:

| | movieId | | title | \ |
|---|---------|---|--------|---|
| 0 | 1217 | Ran | (1985) | |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | |
| 2 | 930 | Notorious | (1946) | |
| 3 | 8477 | Jetée, La | (1962) | |
| 4 | 3451 | Guess Who's Coming to Dinner | (1967) | |

| | genres | predicted_rating |
|---|----------------------------|------------------|
| 0 | Drama War | 4.978607 |
| 1 | Crime Drama | 4.952568 |
| 2 | Film-Noir Romance Thriller | 4.951651 |
| 3 | Romance Sci-Fi | 4.935818 |
| 4 | Drama | 4.931730 |

Tops 5 Recommendations for User 189:

| | movieId | | title | genres \ |
|---|---------|---|--------|-------------|
| 0 | 1178 | Paths of Glory | (1957) | Drama War |
| 1 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | | Drama War |
| 2 | 1217 | Ran | (1985) | Drama War |
| 3 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 4 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.575271 |
| 1 | 4.567745 |
| 2 | 4.552427 |
| 3 | 4.534704 |
| 4 | 4.528926 |

Tops 5 Recommendations for User 190:

| | movieId | | title | \ |
|---|---------|---|--------|---|
| 0 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | | |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | |
| 2 | 1104 | Streetcar Named Desire, A | (1951) | |

```
3      2202                               Lifeboat (1944)
4      720  Wallace & Gromit: The Best of Aardman Animatio...
```

```
                                genres  predicted_rating
0  Action|Animation|Drama|Fantasy|Sci-Fi      4.615723
1                                Crime|Drama      4.595294
2                                Drama      4.587605
3                                Drama|War      4.577785
4      Adventure|Animation|Comedy      4.557538
```

Tops 5 Recommendations for User 191:

```
movieId                                title \
0      6460      Trial, The (Procès, Le) (1962)
1      858      Godfather, The (1972)
2      27156  Neon Genesis Evangelion: The End of Evangelion...
3      1217      Ran (1985)
4      1178      Paths of Glory (1957)
```

```
                                genres  predicted_rating
0                                Drama      4.786732
1                                Crime|Drama      4.768828
2  Action|Animation|Drama|Fantasy|Sci-Fi      4.757900
3                                Drama|War      4.749330
4                                Drama|War      4.723085
```

Tops 5 Recommendations for User 192:

```
movieId                                title \
0      7008  Last Tango in Paris (Ultimo tango a Parigi) (1...
1      177593  Three Billboards Outside Ebbing, Missouri (2017)
2      43376  Sophie Scholl: The Final Days (Sophie Scholl -...
3      933      To Catch a Thief (1955)
4      3451      Guess Who's Coming to Dinner (1967)
```

```
                                genres  predicted_rating
0      Drama|Romance      4.850220
1      Crime|Drama      4.793105
2      Drama|War      4.752647
3  Crime|Mystery|Romance|Thriller      4.717399
4      Drama      4.672568
```

Tops 5 Recommendations for User 193:

```
movieId                                title \
0      4021      Before Night Falls (2000)
1      3341      Born Yesterday (1950)
2      3266  Man Bites Dog (C'est arrivé près de chez vous)...
3      969      African Queen, The (1951)
4      2202      Lifeboat (1944)
```

```
                                genres  predicted_rating
0      Drama      4.390742
1      Comedy      4.370152
2  Comedy|Crime|Drama|Thriller      4.348514
3  Adventure|Comedy|Romance|War      4.321959
4      Drama|War      4.313132
```

Tops 5 Recommendations for User 194:

```
movieId                                title      genres \
0      177593  Three Billboards Outside Ebbing, Missouri (2017)  Crime|Drama
1      2202      Lifeboat (1944)      Drama|War
2      318      Shawshank Redemption, The (1994)  Crime|Drama
3      3451      Guess Who's Coming to Dinner (1967)      Drama
4      1237  Seventh Seal, The (Sjunde inseglet, Det) (1957)      Drama
```

```
predicted_rating
0      4.461132
1      4.368540
2      4.356489
3      4.348267
4      4.326309
```

Tops 5 Recommendations for User 195:

```
movieId                                title \
```

| | | |
|---|-------|---|
| 0 | 6791 | Babette's Feast (Babettes gæstebud) (1987) |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 2 | 2239 | Swept Away (Travolti da un insolito destino ne... |
| 3 | 1223 | Grand Day Out with Wallace and Gromit, A (1989) |
| 4 | 2360 | Celebration, The (Festen) (1998) |

| | genres | predicted_rating |
|---|--|------------------|
| 0 | Drama | 4.433373 |
| 1 | Action Animation Drama Fantasy Sci-Fi | 4.369466 |
| 2 | Comedy Drama | 4.345142 |
| 3 | Adventure Animation Children Comedy Sci-Fi | 4.342587 |
| 4 | Drama | 4.323437 |

Tops 5 Recommendations for User 196:

| | movieId | title \ |
|---|---------|---|
| 0 | 2202 | Lifeboat (1944) |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 2 | 1248 | Touch of Evil (1958) |
| 3 | 1041 | Secrets & Lies (1996) |
| 4 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.479545 |
| 1 | Crime Drama | 4.403301 |
| 2 | Crime Film-Noir Thriller | 4.392042 |
| 3 | Drama | 4.390527 |
| 4 | Action Animation Drama Fantasy Sci-Fi | 4.387974 |

Tops 5 Recommendations for User 197:

| | movieId | title \ |
|---|---------|---|
| 0 | 3200 | Last Detail, The (1973) |
| 1 | 3347 | Never Cry Wolf (1983) |
| 2 | 3451 | Guess Who's Coming to Dinner (1967) |
| 3 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 4 | 905 | It Happened One Night (1934) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Comedy Drama | 4.442825 |
| 1 | Adventure Drama | 4.428150 |
| 2 | Drama | 4.421254 |
| 3 | Action Animation Drama Fantasy Sci-Fi | 4.404982 |
| 4 | Comedy Romance | 4.388115 |

Tops 5 Recommendations for User 198:

| | movieId | title \ |
|---|---------|--|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 1 | 3200 | Last Detail, The (1973) |
| 2 | 5915 | Victory (a.k.a. Escape to Victory) (1981) |
| 3 | 132333 | Seve (2014) |
| 4 | 8477 | Jetée, La (1962) |

| | genres | predicted_rating |
|---|-------------------|------------------|
| 0 | Crime Drama | 4.399719 |
| 1 | Comedy Drama | 4.396582 |
| 2 | Action Drama War | 4.385450 |
| 3 | Documentary Drama | 4.382263 |
| 4 | Romance Sci-Fi | 4.380208 |

Tops 5 Recommendations for User 199:

| | movieId | title | genres \ |
|---|---------|---|---------------|
| 0 | 2202 | Lifeboat (1944) | Drama War |
| 1 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 3 | 246 | Hoop Dreams (1994) | Documentary |
| 4 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | Drama Romance |

| | predicted_rating |
|---|------------------|
| 0 | 4.303827 |
| 1 | 4.300365 |
| 2 | 4.293393 |
| 3 | 4.208351 |
| 4 | 4.202445 |

Tops 5 Recommendations for User 200:

| | movieId | | title | genres \ |
|---|---------|---|--------|---------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 2 | 1178 | Paths of Glory | (1957) | Drama War |
| 3 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) | (1... | Drama Romance |
| 4 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 4.702533 |
| 1 | 4.666187 |
| 2 | 4.650036 |
| 3 | 4.637744 |
| 4 | 4.632852 |

Tops 5 Recommendations for User 201:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 1262 | Great Escape, The | (1963) |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 2 | 2202 | Lifeboat | (1944) |
| 3 | 1178 | Paths of Glory | (1957) |
| 4 | 912 | Casablanca | (1942) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Action Adventure Drama War | 4.972171 |
| 1 | Action Animation Drama Fantasy Sci-Fi | 4.965554 |
| 2 | Drama War | 4.930892 |
| 3 | Drama War | 4.921448 |
| 4 | Drama Romance | 4.913947 |

Tops 5 Recommendations for User 202:

| | movieId | | title | genres \ |
|---|---------|---|--------|-------------|
| 0 | 2202 | Lifeboat | (1944) | Drama War |
| 1 | 1178 | Paths of Glory | (1957) | Drama War |
| 2 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 3 | 3451 | Guess Who's Coming to Dinner | (1967) | Drama |
| 4 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.620778 |
| 1 | 4.616123 |
| 2 | 4.598482 |
| 3 | 4.559719 |
| 4 | 4.548268 |

Tops 5 Recommendations for User 203:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 4642 | Hedwig and the Angry Inch | (2000) |
| 1 | 905 | It Happened One Night | (1934) |
| 2 | 2239 | Swept Away (Travolti da un insolito destino ne... | |
| 3 | 3451 | Guess Who's Coming to Dinner | (1967) |
| 4 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) | (1... |

| | genres | predicted_rating |
|---|----------------------|------------------|
| 0 | Comedy Drama Musical | 4.632653 |
| 1 | Comedy Romance | 4.629718 |
| 2 | Comedy Drama | 4.602470 |
| 3 | Drama | 4.598489 |
| 4 | Drama Romance | 4.593774 |

Tops 5 Recommendations for User 204:

| | movieId | | title | genres \ |
|---|---------|---|--------|-------------|
| 0 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 1 | 2202 | Lifeboat | (1944) | Drama War |
| 2 | 6460 | Trial, The (Procès, Le) | (1962) | Drama |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 4 | 1041 | Secrets & Lies | (1996) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.842750 |
| 1 | 4.791845 |

| | |
|---|----------|
| 2 | 4.745695 |
| 3 | 4.740809 |
| 4 | 4.719202 |

Tops 5 Recommendations for User 205:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 1 | 6460 | Trial, The (Procès, Le) | (1962) |
| 2 | 1223 | Grand Day Out with Wallace and Gromit, A | (1989) |
| 3 | 2202 | Lifeboat | (1944) |
| 4 | 1217 | Ran | (1985) |

| | genres | predicted_rating |
|---|--|------------------|
| 0 | Crime Drama | 4.447734 |
| 1 | Drama | 4.397855 |
| 2 | Adventure Animation Children Comedy Sci-Fi | 4.376280 |
| 3 | Drama War | 4.373592 |
| 4 | Drama War | 4.357216 |

Tops 5 Recommendations for User 206:

| | movieId | | title | genres | predicted_rating |
|---|---------|------------------------------|--------|-----------|------------------|
| 0 | 2202 | Lifeboat | (1944) | Drama War | 5.000000 |
| 1 | 3451 | Guess Who's Coming to Dinner | (1967) | Drama | 4.925386 |
| 2 | 1217 | Ran | (1985) | Drama War | 4.913970 |
| 3 | 1104 | Streetcar Named Desire, A | (1951) | Drama | 4.900628 |
| 4 | 1178 | Paths of Glory | (1957) | Drama War | 4.856032 |

Tops 5 Recommendations for User 207:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 1104 | Streetcar Named Desire, A | (1951) |
| 1 | 1217 | Ran | (1985) |
| 2 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 3 | 750 | Dr. Strangelove or: How I Learned to Stop Worr... | |
| 4 | 2202 | Lifeboat | (1944) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama | 4.482684 |
| 1 | Drama War | 4.461529 |
| 2 | Action Animation Drama Fantasy Sci-Fi | 4.458516 |
| 3 | Comedy War | 4.453332 |
| 4 | Drama War | 4.418448 |

Tops 5 Recommendations for User 208:

| | movieId | | title | genres | predicted_rating |
|---|---------|---------------------------|--------|--------------|------------------|
| 0 | 1104 | Streetcar Named Desire, A | (1951) | Drama | 4.375518 |
| 1 | 3200 | Last Detail, The | (1973) | Comedy Drama | 4.351059 |
| 2 | 1178 | Paths of Glory | (1957) | Drama War | 4.349513 |
| 3 | 527 | Schindler's List | (1993) | Drama War | 4.330517 |
| 4 | 1272 | Patton | (1970) | Drama War | 4.325990 |

Tops 5 Recommendations for User 209:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 2202 | Lifeboat | (1944) |
| 1 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | |
| 2 | 1104 | Streetcar Named Desire, A | (1951) |
| 3 | 1248 | Touch of Evil | (1958) |
| 4 | 1237 | Seventh Seal, The (Sjunde inseglet, Det) | (1957) |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Drama War | 4.846036 |
| 1 | Comedy Crime Drama Thriller | 4.770817 |
| 2 | Drama | 4.729347 |
| 3 | Crime Film-Noir Thriller | 4.667511 |
| 4 | Drama | 4.650714 |

Tops 5 Recommendations for User 210:

| | movieId | | title | genres \ |
|---|---------|---|--------|--------------|
| 0 | 3451 | Guess Who's Coming to Dinner | (1967) | Drama |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 2 | 3200 | Last Detail, The | (1973) | Comedy Drama |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 4 | 8132 | Gladiator | (1992) | Action Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.895876 |
| 1 | 4.872936 |
| 2 | 4.852253 |
| 3 | 4.800763 |
| 4 | 4.796793 |

Tops 5 Recommendations for User 211:

| | movieId | title \ |
|---|---------|---|
| 0 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... |
| 1 | 2202 | Lifeboat (1944) |
| 2 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 3 | 3451 | Guess Who's Coming to Dinner (1967) |
| 4 | 1178 | Paths of Glory (1957) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Comedy Crime Drama Thriller | 4.539576 |
| 1 | Drama War | 4.529485 |
| 2 | Action Animation Drama Fantasy Sci-Fi | 4.523838 |
| 3 | Drama | 4.513407 |
| 4 | Drama War | 4.495852 |

Tops 5 Recommendations for User 212:

| | movieId | title | genres \ |
|---|---------|-------------------------------------|----------------------------|
| 0 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 1 | 3451 | Guess Who's Coming to Dinner (1967) | Drama |
| 2 | 6460 | Trial, The (Procès, Le) (1962) | Drama |
| 3 | 1178 | Paths of Glory (1957) | Drama War |
| 4 | 930 | Notorious (1946) | Film-Noir Romance Thriller |

| | predicted_rating |
|---|------------------|
| 0 | 4.350417 |
| 1 | 4.243778 |
| 2 | 4.234560 |
| 3 | 4.220801 |
| 4 | 4.214885 |

Tops 5 Recommendations for User 213:

| | movieId | title \ |
|---|---------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 1 | 6460 | Trial, The (Procès, Le) (1962) |
| 2 | 2239 | Swept Away (Travolti da un insolito destino ne... |
| 3 | 930 | Notorious (1946) |
| 4 | 1041 | Secrets & Lies (1996) |

| | genres | predicted_rating |
|---|----------------------------|------------------|
| 0 | Crime Drama | 4.655034 |
| 1 | Drama | 4.654221 |
| 2 | Comedy Drama | 4.614691 |
| 3 | Film-Noir Romance Thriller | 4.599759 |
| 4 | Drama | 4.599578 |

Tops 5 Recommendations for User 214:

| | movieId | title \ |
|---|---------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 1 | 1178 | Paths of Glory (1957) |
| 2 | 1104 | Streetcar Named Desire, A (1951) |
| 3 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... |
| 4 | 106642 | Day of the Doctor, The (2013) |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Crime Drama | 4.115337 |
| 1 | Drama War | 3.985305 |
| 2 | Drama | 3.960162 |
| 3 | Comedy Crime Drama Thriller | 3.955224 |
| 4 | Adventure Drama Sci-Fi | 3.933970 |

Tops 5 Recommendations for User 215:

| | movieId | title | genres \ |
|---|---------|--|-------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 1 | 6460 | Trial, The (Procès, Le) (1962) | Drama |

| | | | |
|---|------|--|--------------|
| 2 | 3200 | Last Detail, The (1973) | Comedy Drama |
| 3 | 1178 | Paths of Glory (1957) | Drama War |
| 4 | 6791 | Babette's Feast (Babettes gæstebud) (1987) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.580682 |
| 1 | 4.506637 |
| 2 | 4.504548 |
| 3 | 4.486357 |
| 4 | 4.475951 |

Tops 5 Recommendations for User 216:

| | movieId | title \ |
|---|---------|---|
| 0 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 1 | 2202 | Lifeboat (1944) |
| 2 | 318 | Shawshank Redemption, The (1994) |
| 3 | 8477 | Jetée, La (1962) |
| 4 | 6460 | Trial, The (Procès, Le) (1962) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Action Animation Drama Fantasy Sci-Fi | 4.465067 |
| 1 | Drama War | 4.463403 |
| 2 | Crime Drama | 4.437476 |
| 3 | Romance Sci-Fi | 4.431376 |
| 4 | Drama | 4.384621 |

Tops 5 Recommendations for User 217:

| | movieId | title \ |
|---|---------|--|
| 0 | 3451 | Guess Who's Coming to Dinner (1967) |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 2 | 930 | Notorious (1946) |
| 3 | 106642 | Day of the Doctor, The (2013) |
| 4 | 246 | Hoop Dreams (1994) |

| | genres | predicted_rating |
|---|----------------------------|------------------|
| 0 | Drama | 3.922215 |
| 1 | Crime Drama | 3.906358 |
| 2 | Film-Noir Romance Thriller | 3.887430 |
| 3 | Adventure Drama Sci-Fi | 3.879839 |
| 4 | Documentary | 3.842954 |

Tops 5 Recommendations for User 218:

| | movieId | title \ |
|---|---------|---|
| 0 | 2202 | Lifeboat (1944) |
| 1 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... |
| 2 | 1203 | 12 Angry Men (1957) |
| 3 | 2360 | Celebration, The (Festen) (1998) |
| 4 | 1178 | Paths of Glory (1957) |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Drama War | 4.290822 |
| 1 | Comedy Crime Drama Thriller | 4.248200 |
| 2 | Drama | 4.166277 |
| 3 | Drama | 4.152313 |
| 4 | Drama War | 4.148931 |

Tops 5 Recommendations for User 219:

| | movieId | title \ |
|---|---------|--|
| 0 | 1178 | Paths of Glory (1957) |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 2 | 25771 | Andalusian Dog, An (Chien andalou, Un) (1929) |
| 3 | 6460 | Trial, The (Procès, Le) (1962) |
| 4 | 898 | Philadelphia Story, The (1940) |

| | genres | predicted_rating |
|---|----------------------|------------------|
| 0 | Drama War | 4.192294 |
| 1 | Crime Drama | 4.153041 |
| 2 | Fantasy | 4.151988 |
| 3 | Drama | 4.139449 |
| 4 | Comedy Drama Romance | 4.135595 |

Tops 5 Recommendations for User 220:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 1 | 3451 | Guess Who's Coming to Dinner | (1967) |
| 2 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 3 | 1041 | Secrets & Lies | (1996) |
| 4 | 1217 | Ran | (1985) |

| | | genres | predicted_rating |
|---|---------------------------------------|-------------|------------------|
| 0 | | Crime Drama | 4.725739 |
| 1 | | Drama | 4.713421 |
| 2 | Action Animation Drama Fantasy Sci-Fi | | 4.671089 |
| 3 | | Drama | 4.669769 |
| 4 | | Drama War | 4.669619 |

Tops 5 Recommendations for User 221:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 1178 | Paths of Glory | (1957) |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 3 | 1217 | Ran | (1985) |
| 4 | 2202 | Lifeboat | (1944) |

| | | genres | predicted_rating |
|---|---------------------------------------|-------------|------------------|
| 0 | | Drama War | 4.692212 |
| 1 | Action Animation Drama Fantasy Sci-Fi | | 4.680574 |
| 2 | | Crime Drama | 4.669788 |
| 3 | | Drama War | 4.658581 |
| 4 | | Drama War | 4.649871 |

Tops 5 Recommendations for User 222:

| | movieId | | title | genres \ |
|---|---------|---|--------|-------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 1 | 246 | Hoop Dreams | (1994) | Documentary |
| 2 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 3 | 142488 | Spotlight | (2015) | Thriller |
| 4 | 1217 | Ran | (1985) | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 4.055191 |
| 1 | 4.005121 |
| 2 | 3.997551 |
| 3 | 3.987680 |
| 4 | 3.985250 |

Tops 5 Recommendations for User 223:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 1 | 8477 | Jetée, La | (1962) |
| 2 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | |
| 3 | 1248 | Touch of Evil | (1958) |
| 4 | 1178 | Paths of Glory | (1957) |

| | | genres | predicted_rating |
|---|-----------------------------|----------------|------------------|
| 0 | | Crime Drama | 4.111109 |
| 1 | | Romance Sci-Fi | 4.094354 |
| 2 | Comedy Crime Drama Thriller | | 4.040908 |
| 3 | Crime Film-Noir Thriller | | 4.040050 |
| 4 | | Drama War | 4.035996 |

Tops 5 Recommendations for User 224:

| | movieId | | title | genres | predicted_rating |
|---|---------|-----------------------------|--------|-------------|------------------|
| 0 | 1104 | Streetcar Named Desire, A | (1951) | Drama | 5.000000 |
| 1 | 2131 | Autumn Sonata (Höstsonaten) | (1978) | Drama | 5.000000 |
| 2 | 2202 | Lifeboat | (1944) | Drama War | 4.993116 |
| 3 | 162 | Crumb | (1994) | Documentary | 4.969144 |
| 4 | 3468 | Hustler, The | (1961) | Drama | 4.893228 |

Tops 5 Recommendations for User 225:

| | movieId | | title | genres \ |
|---|---------|---|--------|-------------|
| 0 | 1178 | Paths of Glory | (1957) | Drama War |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 2 | 142488 | Spotlight | (2015) | Thriller |

| | | | |
|---|------|----------------------------------|-------------|
| 3 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 4 | 246 | Hoop Dreams (1994) | Documentary |

| | predicted_rating |
|---|------------------|
| 0 | 4.678468 |
| 1 | 4.578572 |
| 2 | 4.558038 |
| 3 | 4.555102 |
| 4 | 4.549538 |

Tops 5 Recommendations for User 226:

| | movieId | title \ |
|---|---------|---|
| 0 | 1217 | Ran (1985) |
| 1 | 1178 | Paths of Glory (1957) |
| 2 | 1104 | Streetcar Named Desire, A (1951) |
| 3 | 51931 | Reign Over Me (2007) |
| 4 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.339263 |
| 1 | Drama War | 4.332037 |
| 2 | Drama | 4.315529 |
| 3 | Drama | 4.307440 |
| 4 | Action Animation Drama Fantasy Sci-Fi | 4.300566 |

Tops 5 Recommendations for User 227:

| | movieId | title | genres \ |
|---|---------|--|-------------|
| 0 | 6460 | Trial, The (Procès, Le) (1962) | Drama |
| 1 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 3 | 2202 | Lifeboat (1944) | Drama War |
| 4 | 1217 | Ran (1985) | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 4.768404 |
| 1 | 4.740532 |
| 2 | 4.712566 |
| 3 | 4.707543 |
| 4 | 4.692852 |

Tops 5 Recommendations for User 228:

| | movieId | title | genres \ |
|---|---------|----------------------------------|----------------------|
| 0 | 2360 | Celebration, The (Festen) (1998) | Drama |
| 1 | 1217 | Ran (1985) | Drama War |
| 2 | 1204 | Lawrence of Arabia (1962) | Adventure Drama War |
| 3 | 2202 | Lifeboat (1944) | Drama War |
| 4 | 89904 | The Artist (2011) | Comedy Drama Romance |

| | predicted_rating |
|---|------------------|
| 0 | 4.639784 |
| 1 | 4.608043 |
| 2 | 4.548152 |
| 3 | 4.543741 |
| 4 | 4.540164 |

Tops 5 Recommendations for User 229:

| | movieId | title | genres \ |
|---|---------|--|-------------|
| 0 | 2202 | Lifeboat (1944) | Drama War |
| 1 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 2 | 1217 | Ran (1985) | Drama War |
| 3 | 3451 | Guess Who's Coming to Dinner (1967) | Drama |
| 4 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.581902 |
| 1 | 4.524985 |
| 2 | 4.514310 |
| 3 | 4.505313 |
| 4 | 4.504462 |

Tops 5 Recommendations for User 230:

| | movieId | title | genres \ |
|--|---------|-------|----------|
|--|---------|-------|----------|

| | | | | |
|---|--------|---|--------|--------------|
| 0 | 6460 | Trial, The (Procès, Le) | (1962) | Drama |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 2 | 2583 | Cookie's Fortune | (1999) | Comedy Drama |
| 3 | 8132 | Gladiator | (1992) | Action Drama |
| 4 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | | Drama War |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.026534 |
| 1 | 3.995905 |
| 2 | 3.905717 |
| 3 | 3.904671 |
| 4 | 3.895306 |

Tops 5 Recommendations for User 231:

| | | | | |
|---|---------|---------------------------|--------|----------------------------|
| | movieId | title | genres | \ |
| 0 | 6460 | Trial, The (Procès, Le) | (1962) | Drama |
| 1 | 1248 | Touch of Evil | (1958) | Crime Film-Noir Thriller |
| 2 | 930 | Notorious | (1946) | Film-Noir Romance Thriller |
| 3 | 3836 | Kelly's Heroes | (1970) | Action Comedy War |
| 4 | 1104 | Streetcar Named Desire, A | (1951) | Drama |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.339714 |
| 1 | 4.311960 |
| 2 | 4.297592 |
| 3 | 4.257321 |
| 4 | 4.239722 |

Tops 5 Recommendations for User 232:

| | | | | |
|---|---------|---|--------|-------------|
| | movieId | title | genres | \ |
| 0 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | | Drama War |
| 1 | 2202 | Lifeboat | (1944) | Drama War |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 3 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 4 | 1217 | Ran | (1985) | Drama War |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.299193 |
| 1 | 4.237748 |
| 2 | 4.227806 |
| 3 | 4.216431 |
| 4 | 4.201092 |

Tops 5 Recommendations for User 233:

| | | | | |
|---|---------|---------------------------|--------|------------------|
| | movieId | title | genres | predicted_rating |
| 0 | 1178 | Paths of Glory | (1957) | Drama War |
| 1 | 2202 | Lifeboat | (1944) | Drama War |
| 2 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 3 | 1041 | Secrets & Lies | (1996) | Drama |
| 4 | 6460 | Trial, The (Procès, Le) | (1962) | Drama |

Tops 5 Recommendations for User 234:

| | | | | |
|---|---------|---|--------|-------------|
| | movieId | title | genres | \ |
| 0 | 2202 | Lifeboat | (1944) | Drama War |
| 1 | 142488 | Spotlight | (2015) | Thriller |
| 2 | 2360 | Celebration, The (Festen) | (1998) | Drama |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 4 | 1178 | Paths of Glory | (1957) | Drama War |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.737444 |
| 1 | 4.665494 |
| 2 | 4.638685 |
| 3 | 4.608171 |
| 4 | 4.605536 |

Tops 5 Recommendations for User 235:

| | | | |
|---|---------|---|--------|
| | movieId | title | \ |
| 0 | 2202 | Lifeboat | (1944) |
| 1 | 1217 | Ran | (1985) |
| 2 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 3 | 720 | Wallace & Gromit: The Best of Aardman Animatio... | |

| | | |
|---|---------------------------------------|-----------------------|
| 4 | 1178 | Paths of Glory (1957) |
| | genres | predicted_rating |
| 0 | Drama War | 4.685042 |
| 1 | Drama War | 4.587975 |
| 2 | Action Animation Drama Fantasy Sci-Fi | 4.558679 |
| 3 | Adventure Animation Comedy | 4.529948 |
| 4 | Drama War | 4.512367 |

Tops 5 Recommendations for User 236:

| | | |
|---|---------|---|
| | movieId | title \ |
| 0 | 2202 | Lifeboat (1944) |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 2 | 1104 | Streetcar Named Desire, A (1951) |
| 3 | 541 | Blade Runner (1982) |
| 4 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |

| | | |
|---|---------------------------------------|------------------|
| | genres | predicted_rating |
| 0 | Drama War | 5.000000 |
| 1 | Crime Drama | 4.980446 |
| 2 | Drama | 4.962667 |
| 3 | Action Sci-Fi Thriller | 4.962485 |
| 4 | Action Animation Drama Fantasy Sci-Fi | 4.944129 |

Tops 5 Recommendations for User 237:

| | | |
|---|---------|---|
| | movieId | title \ |
| 0 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 2 | 2202 | Lifeboat (1944) |
| 3 | 1178 | Paths of Glory (1957) |
| 4 | 8477 | Jetée, La (1962) |

| | | |
|---|---------------------------------------|------------------|
| | genres | predicted_rating |
| 0 | Action Animation Drama Fantasy Sci-Fi | 4.154629 |
| 1 | Crime Drama | 4.146983 |
| 2 | Drama War | 4.097368 |
| 3 | Drama War | 4.062014 |
| 4 | Romance Sci-Fi | 4.027977 |

Tops 5 Recommendations for User 238:

| | | |
|---|---------|--|
| | movieId | title \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 1 | 905 | It Happened One Night (1934) |
| 2 | 87234 | Submarine (2010) |
| 3 | 6460 | Trial, The (Procès, Le) (1962) |
| 4 | 1178 | Paths of Glory (1957) |

| | | |
|---|----------------------|------------------|
| | genres | predicted_rating |
| 0 | Crime Drama | 4.512258 |
| 1 | Comedy Romance | 4.438503 |
| 2 | Comedy Drama Romance | 4.384285 |
| 3 | Drama | 4.367150 |
| 4 | Drama War | 4.358432 |

Tops 5 Recommendations for User 239:

| | | |
|---|---------|---|
| | movieId | title \ |
| 0 | 2202 | Lifeboat (1944) |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 3 | 6460 | Trial, The (Procès, Le) (1962) |
| 4 | 1217 | Ran (1985) |

| | | |
|---|---------------------------------------|------------------|
| | genres | predicted_rating |
| 0 | Drama War | 4.733320 |
| 1 | Action Animation Drama Fantasy Sci-Fi | 4.702032 |
| 2 | Crime Drama | 4.691453 |
| 3 | Drama | 4.687857 |
| 4 | Drama War | 4.671683 |

Tops 5 Recommendations for User 240:

| | | | |
|---|---------|---|-----------|
| | movieId | title | genres \ |
| 0 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | Drama War |

| | | | | |
|---|--------|---|-------------------|--------------|
| 1 | 8132 | | Gladiator (1992) | Action Drama |
| 2 | 1217 | | Ran (1985) | Drama War |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 4 | 80906 | | Inside Job (2010) | Documentary |

| | predicted_rating |
|---|------------------|
| 0 | 4.943035 |
| 1 | 4.920863 |
| 2 | 4.904092 |
| 3 | 4.903384 |
| 4 | 4.894894 |

Tops 5 Recommendations for User 241:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 1104 | Streetcar Named Desire, A | (1951) |
| 1 | 1178 | Paths of Glory | (1957) |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 3 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) | (1... |
| 4 | 106642 | Day of the Doctor, The | (2013) |

| | genres | predicted_rating |
|---|------------------------|------------------|
| 0 | Drama | 4.442946 |
| 1 | Drama War | 4.420463 |
| 2 | Crime Drama | 4.402950 |
| 3 | Drama Romance | 4.400737 |
| 4 | Adventure Drama Sci-Fi | 4.373130 |

Tops 5 Recommendations for User 242:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | |
| 1 | 2959 | Fight Club | (1999) |
| 2 | 2202 | Lifeboat | (1944) |
| 3 | 1104 | Streetcar Named Desire, A | (1951) |
| 4 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Comedy Crime Drama Thriller | 4.554771 |
| 1 | Action Crime Drama Thriller | 4.545546 |
| 2 | Drama War | 4.498366 |
| 3 | Drama | 4.488880 |
| 4 | Action Animation Drama Fantasy Sci-Fi | 4.480316 |

Tops 5 Recommendations for User 243:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 930 | Notorious | (1946) |
| 1 | 1178 | Paths of Glory | (1957) |
| 2 | 1237 | Seventh Seal, The (Sjunde inseglet, Det) | (1957) |
| 3 | 2239 | Swept Away (Travolti da un insolito destino ne... | |
| 4 | 3200 | Last Detail, The | (1973) |

| | genres | predicted_rating |
|---|----------------------------|------------------|
| 0 | Film-Noir Romance Thriller | 5 |
| 1 | Drama War | 5 |
| 2 | Drama | 5 |
| 3 | Comedy Drama | 5 |
| 4 | Comedy Drama | 5 |

Tops 5 Recommendations for User 244:

| | movieId | | title \ |
|---|---------|--|---------|
| 0 | 2202 | Lifeboat | (1944) |
| 1 | 1272 | Patton | (1970) |
| 2 | 65642 | Timecrimes (Cronocrímenes, Los) | (2007) |
| 3 | 1210 | Star Wars: Episode VI - Return of the Jedi | (1983) |
| 4 | 1104 | Streetcar Named Desire, A | (1951) |

| | genres | predicted_rating |
|---|-------------------------|------------------|
| 0 | Drama War | 4.666210 |
| 1 | Drama War | 4.587370 |
| 2 | Sci-Fi Thriller | 4.575584 |
| 3 | Action Adventure Sci-Fi | 4.575314 |
| 4 | Drama | 4.572714 |

Tops 5 Recommendations for User 245:

| | movieId | | title | \ |
|---|------------------------|---|----------------------------------|---|
| 0 | 1104 | | Streetcar Named Desire, A (1951) | |
| 1 | 106642 | | Day of the Doctor, The (2013) | |
| 2 | 116897 | | Wild Tales (2014) | |
| 3 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | | |
| 4 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | | |
| | genres | predicted_rating | | |
| 0 | Drama | 3.648981 | | |
| 1 | Adventure Drama Sci-Fi | 3.635959 | | |
| 2 | Comedy Drama Thriller | 3.602297 | | |
| 3 | Drama Romance | 3.593481 | | |
| 4 | Crime Drama | 3.592936 | | |

Tops 5 Recommendations for User 246:

| | movieId | | title | genres | \ |
|---|------------------|---|-------------|--------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama | | |
| 1 | 6460 | Trial, The (Procès, Le) (1962) | Drama | | |
| 2 | 2360 | Celebration, The (Festen) (1998) | Drama | | |
| 3 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | Drama War | | |
| 4 | 1178 | Paths of Glory (1957) | Drama War | | |
| | predicted_rating | | | | |
| 0 | 4.963755 | | | | |
| 1 | 4.927290 | | | | |
| 2 | 4.925025 | | | | |
| 3 | 4.905113 | | | | |
| 4 | 4.886476 | | | | |

Tops 5 Recommendations for User 247:

| | movieId | | title | \ |
|---|---------------------------------------|---|-------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | | |
| 1 | 1041 | Secrets & Lies (1996) | | |
| 2 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | | |
| 3 | 1104 | Streetcar Named Desire, A (1951) | | |
| 4 | 2202 | Lifeboat (1944) | | |
| | genres | predicted_rating | | |
| 0 | Crime Drama | 4.317075 | | |
| 1 | Drama | 4.301209 | | |
| 2 | Action Animation Drama Fantasy Sci-Fi | 4.293445 | | |
| 3 | Drama | 4.281897 | | |
| 4 | Drama War | 4.262531 | | |

Tops 5 Recommendations for User 248:

| | movieId | | title | genres | \ |
|---|------------------|--|-------------|--------|---|
| 0 | 2202 | Lifeboat (1944) | Drama War | | |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama | | |
| 2 | 1178 | Paths of Glory (1957) | Drama War | | |
| 3 | 1104 | Streetcar Named Desire, A (1951) | Drama | | |
| 4 | 1217 | Ran (1985) | Drama War | | |
| | predicted_rating | | | | |
| 0 | 4.434864 | | | | |
| 1 | 4.422905 | | | | |
| 2 | 4.405198 | | | | |
| 3 | 4.392344 | | | | |
| 4 | 4.378933 | | | | |

Tops 5 Recommendations for User 249:

| | movieId | | title | \ |
|---|-------------|---|-------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | | |
| 1 | 2202 | Lifeboat (1944) | | |
| 2 | 3451 | Guess Who's Coming to Dinner (1967) | | |
| 3 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | | |
| 4 | 1217 | Ran (1985) | | |
| | genres | predicted_rating | | |
| 0 | Crime Drama | 4.611699 | | |
| 1 | Drama War | 4.595643 | | |
| 2 | Drama | 4.574052 | | |

| | | |
|---|---------------------------------------|----------|
| 3 | Action Animation Drama Fantasy Sci-Fi | 4.567526 |
| 4 | Drama War | 4.565845 |

Tops 5 Recommendations for User 250:

| | movieId | | title \ |
|---|---------|-------------------------------------|---------|
| 0 | 246 | Hoop Dreams | (1994) |
| 1 | 741 | Ghost in the Shell (Kôkaku kidôtai) | (1995) |
| 2 | 930 | Notorious | (1946) |
| 3 | 1041 | Secrets & Lies | (1996) |
| 4 | 1104 | Streetcar Named Desire, A | (1951) |

| | genres | predicted_rating |
|---|----------------------------|------------------|
| 0 | Documentary | 5 |
| 1 | Animation Sci-Fi | 5 |
| 2 | Film-Noir Romance Thriller | 5 |
| 3 | Drama | 5 |
| 4 | Drama | 5 |

Tops 5 Recommendations for User 251:

| | movieId | | title | genres | predicted_rating |
|---|---------|---------------------------|--------|-------------|------------------|
| 0 | 246 | Hoop Dreams | (1994) | Documentary | 5 |
| 1 | 1041 | Secrets & Lies | (1996) | Drama | 5 |
| 2 | 1104 | Streetcar Named Desire, A | (1951) | Drama | 5 |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | 5 |
| 4 | 1217 | Ran | (1985) | Drama War | 5 |

Tops 5 Recommendations for User 252:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 1104 | Streetcar Named Desire, A | (1951) |
| 1 | 1178 | Paths of Glory | (1957) |
| 2 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 4 | 905 | It Happened One Night | (1934) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama | 4.814531 |
| 1 | Drama War | 4.812304 |
| 2 | Action Animation Drama Fantasy Sci-Fi | 4.802157 |
| 3 | Crime Drama | 4.746924 |
| 4 | Comedy Romance | 4.718708 |

Tops 5 Recommendations for User 253:

| | movieId | | title | genres | predicted_rating |
|---|---------|---------------------------|--------|----------------|------------------|
| 0 | 1104 | Streetcar Named Desire, A | (1951) | Drama | 4.886264 |
| 1 | 2202 | Lifeboat | (1944) | Drama War | 4.861847 |
| 2 | 1178 | Paths of Glory | (1957) | Drama War | 4.848144 |
| 3 | 1217 | Ran | (1985) | Drama War | 4.833817 |
| 4 | 905 | It Happened One Night | (1934) | Comedy Romance | 4.802982 |

Tops 5 Recommendations for User 254:

| | movieId | | title | genres | predicted_rating |
|---|---------|---------------------------|--------|----------------|------------------|
| 0 | 1217 | Ran | (1985) | Drama War | 4.626087 |
| 1 | 1178 | Paths of Glory | (1957) | Drama War | 4.590010 |
| 2 | 1104 | Streetcar Named Desire, A | (1951) | Drama | 4.551361 |
| 3 | 2202 | Lifeboat | (1944) | Drama War | 4.544483 |
| 4 | 8477 | Jetée, La | (1962) | Romance Sci-Fi | 4.522660 |

Tops 5 Recommendations for User 255:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 1172 | Cinema Paradiso (Nuovo cinema Paradiso) | (1989) |
| 1 | 133867 | Barely Lethal | (2015) |
| 2 | 6460 | Trial, The (Procès, Le) | (1962) |
| 3 | 142488 | Spotlight | (2015) |
| 4 | 2571 | Matrix, The | (1999) |

| | genres | predicted_rating |
|---|-------------------------|------------------|
| 0 | Drama | 3.758565 |
| 1 | Action Adventure Comedy | 3.710778 |
| 2 | Drama | 3.703862 |
| 3 | Thriller | 3.649162 |
| 4 | Action Sci-Fi Thriller | 3.569255 |

Tops 5 Recommendations for User 256:

| | movieId | | title | \ |
|---|---------|---|-------------------------|---|
| 0 | 3200 | | Last Detail, The (1973) | |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | |
| 2 | 3451 | Guess Who's Coming to Dinner | (1967) | |
| 3 | 1104 | Streetcar Named Desire, A | (1951) | |
| 4 | 930 | Notorious | (1946) | |

| | genres | predicted_rating |
|---|----------------------------|------------------|
| 0 | Comedy Drama | 4.854415 |
| 1 | Crime Drama | 4.789160 |
| 2 | Drama | 4.786162 |
| 3 | Drama | 4.777589 |
| 4 | Film-Noir Romance Thriller | 4.738495 |

Tops 5 Recommendations for User 257:

| | movieId | | title | genres | \ |
|---|---------|---|--------------------------------|--------------|---|
| 0 | 6460 | | Trial, The (Procès, Le) (1962) | Drama | |
| 1 | 8132 | | Gladiator (1992) | Action Drama | |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 3 | 246 | | Hoop Dreams (1994) | Documentary | |
| 4 | 2202 | | Lifeboat (1944) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.324443 |
| 1 | 4.172258 |
| 2 | 4.172044 |
| 3 | 4.171147 |
| 4 | 4.161132 |

Tops 5 Recommendations for User 258:

| | movieId | | title | genres | \ |
|---|---------|---|-------------------------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1178 | | Paths of Glory (1957) | Drama War | |
| 2 | 1272 | | Patton (1970) | Drama War | |
| 3 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 4 | 45503 | | Peaceful Warrior (2006) | Drama | |

| | predicted_rating |
|---|------------------|
| 0 | 4.765984 |
| 1 | 4.734415 |
| 2 | 4.696727 |
| 3 | 4.682612 |
| 4 | 4.671650 |

Tops 5 Recommendations for User 259:

| | movieId | | title | genres | \ |
|---|---------|---------------------------|---------------------|------------------------|---|
| 0 | 5992 | | Hours, The (2002) | Drama Romance | |
| 1 | 7371 | | Dogville (2003) | Drama Mystery Thriller | |
| 2 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 3 | 62293 | | Duchess, The (2008) | Drama Romance | |
| 4 | 6460 | Trial, The (Procès, Le) | (1962) | Drama | |

| | predicted_rating |
|---|------------------|
| 0 | 4.129916 |
| 1 | 4.119299 |
| 2 | 4.099528 |
| 3 | 4.091610 |
| 4 | 4.088323 |

Tops 5 Recommendations for User 260:

| | movieId | | title | genres | \ |
|---|---------|---|----------------------------------|-------------|---|
| 0 | 2202 | | Lifeboat (1944) | Drama War | |
| 1 | 1104 | | Streetcar Named Desire, A (1951) | Drama | |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 3 | 6460 | | Trial, The (Procès, Le) (1962) | Drama | |
| 4 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.435014 |
| 1 | 4.429348 |
| 2 | 4.410876 |

3 4.395946
4 4.391132

Tops 5 Recommendations for User 261:

| | movieId | | title \ |
|---|---------|---|----------------------|
| 0 | 2202 | | Lifeboat (1944) |
| 1 | 720 | Wallace & Gromit: The Best of Aardman Animatio... | |
| 2 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 3 | 778 | | Trainspotting (1996) |
| 4 | 1104 | Streetcar Named Desire, A | (1951) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.643727 |
| 1 | Adventure Animation Comedy | 4.523228 |
| 2 | Action Animation Drama Fantasy Sci-Fi | 4.521051 |
| 3 | Comedy Crime Drama | 4.498462 |
| 4 | Drama | 4.473777 |

Tops 5 Recommendations for User 262:

| | movieId | | title \ |
|---|---------|---|----------------------|
| 0 | 89904 | | The Artist (2011) |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 2 | 51931 | | Reign Over Me (2007) |
| 3 | 2202 | | Lifeboat (1944) |
| 4 | 6460 | Trial, The (Procès, Le) | (1962) |

| | genres | predicted_rating |
|---|----------------------|------------------|
| 0 | Comedy Drama Romance | 4.170762 |
| 1 | Crime Drama | 4.099721 |
| 2 | Drama | 4.047558 |
| 3 | Drama War | 4.037513 |
| 4 | Drama | 4.017401 |

Tops 5 Recommendations for User 263:

| | movieId | | title | genres \ |
|---|---------|---|--------|--------------|
| 0 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 1 | 3200 | Last Detail, The | (1973) | Comedy Drama |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 3 | 3451 | Guess Who's Coming to Dinner | (1967) | Drama |
| 4 | 1217 | Ran | (1985) | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 4.472169 |
| 1 | 4.463300 |
| 2 | 4.460941 |
| 3 | 4.454561 |
| 4 | 4.440193 |

Tops 5 Recommendations for User 264:

| | movieId | | title \ |
|---|---------|-------------------------------------|---------|
| 0 | 106642 | Day of the Doctor, The | (2013) |
| 1 | 8132 | Gladiator | (1992) |
| 2 | 6791 | Babette's Feast (Babettes gæstebud) | (1987) |
| 3 | 3200 | Last Detail, The | (1973) |
| 4 | 930 | Notorious | (1946) |

| | genres | predicted_rating |
|---|----------------------------|------------------|
| 0 | Adventure Drama Sci-Fi | 4.430351 |
| 1 | Action Drama | 4.366071 |
| 2 | Drama | 4.363757 |
| 3 | Comedy Drama | 4.362785 |
| 4 | Film-Noir Romance Thriller | 4.299335 |

Tops 5 Recommendations for User 265:

| | movieId | | title \ |
|---|---------|---|------------------|
| 0 | 1217 | | Ran (1985) |
| 1 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) | (1... |
| 2 | 8132 | | Gladiator (1992) |
| 3 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 4 | 3200 | Last Detail, The | (1973) |

| | genres | predicted_rating |
|--|--------|------------------|
|--|--------|------------------|

| | | | |
|---|---------------------------------------|---------------|----------|
| 0 | | Drama War | 4.380217 |
| 1 | | Drama Romance | 4.356369 |
| 2 | | Action Drama | 4.325026 |
| 3 | Action Animation Drama Fantasy Sci-Fi | | 4.320052 |
| 4 | | Comedy Drama | 4.313909 |

Tops 5 Recommendations for User 266:

| | movieId | | title \ |
|---|---------|--------------------------------------|----------------------------------|
| 0 | 1217 | | Ran (1985) |
| 1 | 858 | | Godfather, The (1972) |
| 2 | 2019 | Seven Samurai (Shichinin no samurai) | (1954) |
| 3 | 89904 | | The Artist (2011) |
| 4 | 1104 | | Streetcar Named Desire, A (1951) |

| | genres | predicted_rating |
|---|------------------------|------------------|
| 0 | Drama War | 4.491912 |
| 1 | Crime Drama | 4.448520 |
| 2 | Action Adventure Drama | 4.434671 |
| 3 | Comedy Drama Romance | 4.402863 |
| 4 | Drama | 4.385980 |

Tops 5 Recommendations for User 267:

| | movieId | | title \ |
|---|---------|---|-------------------------------|
| 0 | 106642 | | Day of the Doctor, The (2013) |
| 1 | 1172 | Cinema Paradiso (Nuovo cinema Paradiso) | (1989) |
| 2 | 2202 | | Lifeboat (1944) |
| 3 | 8132 | | Gladiator (1992) |
| 4 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | |

| | genres | predicted_rating |
|---|------------------------|------------------|
| 0 | Adventure Drama Sci-Fi | 4.871574 |
| 1 | Drama | 4.863458 |
| 2 | Drama War | 4.855850 |
| 3 | Action Drama | 4.837674 |
| 4 | Drama War | 4.804628 |

Tops 5 Recommendations for User 268:

| | movieId | | title \ |
|---|---------|---|---------------------|
| 0 | 89904 | | The Artist (2011) |
| 1 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) | (1... |
| 2 | 71899 | | Mary and Max (2009) |
| 3 | 904 | | Rear Window (1954) |
| 4 | 4226 | | Memento (2000) |

| | genres | predicted_rating |
|---|------------------------|------------------|
| 0 | Comedy Drama Romance | 4.256698 |
| 1 | Drama Romance | 4.101407 |
| 2 | Animation Comedy Drama | 4.101129 |
| 3 | Mystery Thriller | 4.085539 |
| 4 | Mystery Thriller | 4.075472 |

Tops 5 Recommendations for User 269:

| | movieId | | title \ |
|---|---------|---|-------------------------------------|
| 0 | 3451 | | Guess Who's Coming to Dinner (1967) |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 2 | 4642 | | Hedwig and the Angry Inch (2000) |
| 3 | 6460 | | Trial, The (Procès, Le) (1962) |
| 4 | 2202 | | Lifeboat (1944) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama | 4.742583 |
| 1 | Action Animation Drama Fantasy Sci-Fi | 4.700896 |
| 2 | Comedy Drama Musical | 4.698455 |
| 3 | Drama | 4.679964 |
| 4 | Drama War | 4.652877 |

Tops 5 Recommendations for User 270:

| | movieId | | title \ |
|---|---------|---|-----------------------|
| 0 | 2202 | | Lifeboat (1944) |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 2 | 1178 | | Paths of Glory (1957) |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |

4 4642 Hedwig and the Angry Inch (2000)

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.653395 |
| 1 | Action Animation Drama Fantasy Sci-Fi | 4.590447 |
| 2 | Drama War | 4.551761 |
| 3 | Crime Drama | 4.477962 |
| 4 | Comedy Drama Musical | 4.456701 |

Tops 5 Recommendations for User 271:

| | movieId | | title | genres \ |
|---|---------|---|-----------------------|---------------|
| 0 | 2202 | | Lifeboat (1944) | Drama War |
| 1 | 1178 | | Paths of Glory (1957) | Drama War |
| 2 | 1217 | | Ran (1985) | Drama War |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 4 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) | (1... | Drama Romance |

| | predicted_rating |
|---|------------------|
| 0 | 4.215937 |
| 1 | 4.090066 |
| 2 | 4.041220 |
| 3 | 4.018585 |
| 4 | 4.015193 |

Tops 5 Recommendations for User 272:

| | movieId | | title | genres \ |
|---|---------|---|-----------------------|-------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 1 | 1041 | | Secrets & Lies (1996) | Drama |
| 2 | 6460 | Trial, The (Procès, Le) | (1962) | Drama |
| 3 | 1237 | Seventh Seal, The (Sjunde inseglet, Det) | (1957) | Drama |
| 4 | 2202 | | Lifeboat (1944) | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 4.326306 |
| 1 | 4.163240 |
| 2 | 4.145316 |
| 3 | 4.121309 |
| 4 | 4.119355 |

Tops 5 Recommendations for User 273:

| | movieId | | title \ |
|---|---------|---|-----------------------|
| 0 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 2 | 1178 | | Paths of Glory (1957) |
| 3 | 1201 | Good, the Bad and the Ugly, The (Buono, il bru... | |
| 4 | 2019 | Seven Samurai (Shichinin no samurai) | (1954) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Comedy Crime Drama Thriller | 4.845078 |
| 1 | Action Animation Drama Fantasy Sci-Fi | 4.791007 |
| 2 | Drama War | 4.781623 |
| 3 | Action Adventure Western | 4.774401 |
| 4 | Action Adventure Drama | 4.773343 |

Tops 5 Recommendations for User 274:

| | movieId | | title | genres \ |
|---|---------|---|-----------------------|-------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 1 | 1041 | | Secrets & Lies (1996) | Drama |
| 2 | 1178 | | Paths of Glory (1957) | Drama War |
| 3 | 1217 | | Ran (1985) | Drama War |
| 4 | 1104 | Streetcar Named Desire, A | (1951) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.290926 |
| 1 | 4.289130 |
| 2 | 4.283251 |
| 3 | 4.275579 |
| 4 | 4.268656 |

Tops 5 Recommendations for User 275:

| | movieId | | title \ |
|---|---------|--|-----------------------|
| 0 | 1178 | | Paths of Glory (1957) |

| | | | |
|---|--------|---|-------------------|
| 1 | 2202 | | Lifeboat (1944) |
| 2 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | |
| 3 | 116897 | | Wild Tales (2014) |
| 4 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Drama War | 4.892877 |
| 1 | Drama War | 4.884732 |
| 2 | Comedy Crime Drama Thriller | 4.884687 |
| 3 | Comedy Drama Thriller | 4.834451 |
| 4 | Crime Drama | 4.813684 |

Tops 5 Recommendations for User 276:

| | movieId | title | genres \ |
|---|---------|----------------------------------|------------------------|
| 0 | 50 | Usual Suspects, The (1995) | Crime Mystery Thriller |
| 1 | 176 | Living in Oblivion (1995) | Comedy |
| 2 | 246 | Hoop Dreams (1994) | Documentary |
| 3 | 318 | Shawshank Redemption, The (1994) | Crime Drama |
| 4 | 475 | In the Name of the Father (1993) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 5 |
| 1 | 5 |
| 2 | 5 |
| 3 | 5 |
| 4 | 5 |

Tops 5 Recommendations for User 277:

| | movieId | title \ |
|---|---------|---|
| 0 | 1217 | Ran (1985) |
| 1 | 1104 | Streetcar Named Desire, A (1951) |
| 2 | 106642 | Day of the Doctor, The (2013) |
| 3 | 51931 | Reign Over Me (2007) |
| 4 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... |

| | genres | predicted_rating |
|---|------------------------|------------------|
| 0 | Drama War | 4.673505 |
| 1 | Drama | 4.637197 |
| 2 | Adventure Drama Sci-Fi | 4.625176 |
| 3 | Drama | 4.612153 |
| 4 | Drama Romance | 4.610456 |

Tops 5 Recommendations for User 278:

| | movieId | title \ |
|---|---------|---|
| 0 | 2202 | Lifeboat (1944) |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 2 | 2959 | Fight Club (1999) |
| 3 | 3451 | Guess Who's Coming to Dinner (1967) |
| 4 | 1104 | Streetcar Named Desire, A (1951) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.801708 |
| 1 | Action Animation Drama Fantasy Sci-Fi | 4.748144 |
| 2 | Action Crime Drama Thriller | 4.709916 |
| 3 | Drama | 4.682531 |
| 4 | Drama | 4.672353 |

Tops 5 Recommendations for User 279:

| | movieId | title \ |
|---|---------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 1 | 1272 | Patton (1970) |
| 2 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... |
| 3 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... |
| 4 | 1104 | Streetcar Named Desire, A (1951) |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Crime Drama | 4.273422 |
| 1 | Drama War | 4.242935 |
| 2 | Drama War | 4.240434 |
| 3 | Comedy Crime Drama Thriller | 4.237353 |
| 4 | Drama | 4.237081 |

Tops 5 Recommendations for User 280:

| | movieId | | title | \ |
|---|---------|---|----------------------------------|---|
| 0 | 2202 | | Lifeboat (1944) | |
| 1 | 1217 | | Ran (1985) | |
| 2 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | | |
| 3 | 1104 | | Streetcar Named Desire, A (1951) | |
| 4 | 930 | | Notorious (1946) | |

| | genres | predicted_rating |
|---|----------------------------|------------------|
| 0 | Drama War | 4.763354 |
| 1 | Drama War | 4.704779 |
| 2 | Drama War | 4.696852 |
| 3 | Drama | 4.681165 |
| 4 | Film-Noir Romance Thriller | 4.680608 |

Tops 5 Recommendations for User 281:

| | movieId | | title | genres | \ |
|---|---------|---|-------------------------|--------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | | Crime Drama | |
| 1 | 1178 | | Paths of Glory (1957) | Drama War | |
| 2 | 3451 | Guess Who's Coming to Dinner (1967) | | Drama | |
| 3 | 3200 | | Last Detail, The (1973) | Comedy Drama | |
| 4 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.351402 |
| 1 | 4.311394 |
| 2 | 4.306769 |
| 3 | 4.245092 |
| 4 | 4.235297 |

Tops 5 Recommendations for User 282:

| | movieId | | title | genres | \ |
|---|---------|---|----------------------------------|--------------|---|
| 0 | 2202 | | Lifeboat (1944) | Drama War | |
| 1 | 1104 | | Streetcar Named Desire, A (1951) | Drama | |
| 2 | 1237 | Seventh Seal, The (Sjunde inseglet, Det) (1957) | | Drama | |
| 3 | 3200 | | Last Detail, The (1973) | Comedy Drama | |
| 4 | 3451 | Guess Who's Coming to Dinner (1967) | | Drama | |

| | predicted_rating |
|---|------------------|
| 0 | 4.767477 |
| 1 | 4.687428 |
| 2 | 4.652728 |
| 3 | 4.641598 |
| 4 | 4.631320 |

Tops 5 Recommendations for User 283:

| | movieId | | title | \ |
|---|---------|---|--------------------|---|
| 0 | 2571 | | Matrix, The (1999) | |
| 1 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | | |
| 2 | 2202 | | Lifeboat (1944) | |
| 3 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | | |
| 4 | 1217 | | Ran (1985) | |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Action Sci-Fi Thriller | 4.438714 |
| 1 | Drama Romance | 4.352092 |
| 2 | Drama War | 4.315045 |
| 3 | Comedy Crime Drama Thriller | 4.310644 |
| 4 | Drama War | 4.310538 |

Tops 5 Recommendations for User 284:

| | movieId | | title | \ |
|---|---------|---|----------------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | | |
| 1 | 8132 | | Gladiator (1992) | |
| 2 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | | |
| 3 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | | |
| 4 | 51931 | | Reign Over Me (2007) | |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Crime Drama | 4.811813 |
| 1 | Action Drama | 4.743947 |
| 2 | Action Animation Drama Fantasy Sci-Fi | 4.738700 |

| | | | |
|---|--|-----------|----------|
| 3 | | Drama War | 4.726068 |
| 4 | | Drama | 4.712228 |

Tops 5 Recommendations for User 285:

| | movieId | | title \ |
|---|---------|---|--------------------------------|
| 0 | 1178 | | Paths of Glory (1957) |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 2 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | |
| 3 | 6460 | | Trial, The (Procès, Le) (1962) |
| 4 | 2202 | | Lifeboat (1944) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.611573 |
| 1 | Action Animation Drama Fantasy Sci-Fi | 4.523555 |
| 2 | Comedy Crime Drama Thriller | 4.491953 |
| 3 | Drama | 4.458362 |
| 4 | Drama War | 4.436885 |

Tops 5 Recommendations for User 286:

| | movieId | | title \ |
|---|---------|---|----------------------------------|
| 0 | 2202 | | Lifeboat (1944) |
| 1 | 6460 | | Trial, The (Procès, Le) (1962) |
| 2 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | |
| 3 | 1104 | | Streetcar Named Desire, A (1951) |
| 4 | 750 | Dr. Strangelove or: How I Learned to Stop Worr... | |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Drama War | 4.619553 |
| 1 | Drama | 4.601186 |
| 2 | Comedy Crime Drama Thriller | 4.565253 |
| 3 | Drama | 4.554173 |
| 4 | Comedy War | 4.516565 |

Tops 5 Recommendations for User 287:

| | movieId | | title \ |
|---|---------|---|----------------------------|
| 0 | 858 | | Godfather, The (1972) |
| 1 | 750 | Dr. Strangelove or: How I Learned to Stop Worr... | |
| 2 | 89904 | | The Artist (2011) |
| 3 | 3683 | | Blood Simple (1984) |
| 4 | 1299 | | Killing Fields, The (1984) |

| | genres | predicted_rating |
|---|-----------------------|------------------|
| 0 | Crime Drama | 3.912551 |
| 1 | Comedy War | 3.875815 |
| 2 | Comedy Drama Romance | 3.817400 |
| 3 | Crime Drama Film-Noir | 3.800172 |
| 4 | Drama War | 3.786501 |

Tops 5 Recommendations for User 288:

| | movieId | | title \ |
|---|---------|---|-----------------------|
| 0 | 2202 | | Lifeboat (1944) |
| 1 | 1178 | | Paths of Glory (1957) |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | |
| 3 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 4 | 1217 | | Ran (1985) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.188730 |
| 1 | Drama War | 4.177282 |
| 2 | Crime Drama | 4.174579 |
| 3 | Action Animation Drama Fantasy Sci-Fi | 4.151789 |
| 4 | Drama War | 4.141869 |

Tops 5 Recommendations for User 289:

| | movieId | | title \ |
|---|---------|---|----------------------------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | |
| 1 | 1104 | | Streetcar Named Desire, A (1951) |
| 2 | 6666 | Discreet Charm of the Bourgeoisie, The (Charme... | |
| 3 | 1217 | | Ran (1985) |
| 4 | 2202 | | Lifeboat (1944) |

| | genres | predicted_rating |
|--|--------|------------------|
|--|--------|------------------|

| | | |
|---|----------------------|----------|
| 0 | Crime Drama | 4.497243 |
| 1 | Drama | 4.479084 |
| 2 | Comedy Drama Fantasy | 4.457349 |
| 3 | Drama War | 4.452545 |
| 4 | Drama War | 4.408888 |

Tops 5 Recommendations for User 290:

| movieId | | title | genres \ |
|---------|--------|---|---------------|
| 0 | 1178 | Paths of Glory (1957) | Drama War |
| 1 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 3 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | Drama Romance |
| 4 | 1217 | Ran (1985) | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 4.830468 |
| 1 | 4.811170 |
| 2 | 4.759789 |
| 3 | 4.738186 |
| 4 | 4.715451 |

Tops 5 Recommendations for User 291:

| movieId | | title \ |
|---------|--------|---|
| 0 | 1041 | Secrets & Lies (1996) |
| 1 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... |
| 2 | 8477 | Jetée, La (1962) |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 4 | 2202 | Lifeboat (1944) |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Drama | 5.000000 |
| 1 | Comedy Crime Drama Thriller | 5.000000 |
| 2 | Romance Sci-Fi | 5.000000 |
| 3 | Crime Drama | 5.000000 |
| 4 | Drama War | 4.994837 |

Tops 5 Recommendations for User 292:

| movieId | | title \ |
|---------|--------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 1 | 3200 | Last Detail, The (1973) |
| 2 | 720 | Wallace & Gromit: The Best of Aardman Animatio... |
| 3 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... |
| 4 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... |

| | genres | predicted_rating |
|---|----------------------------|------------------|
| 0 | Crime Drama | 4.325510 |
| 1 | Comedy Drama | 4.201960 |
| 2 | Adventure Animation Comedy | 4.181818 |
| 3 | Drama War | 4.142453 |
| 4 | Drama Romance | 4.138103 |

Tops 5 Recommendations for User 293:

| movieId | | title | genres \ |
|---------|--------|--|-------------|
| 0 | 1217 | Ran (1985) | Drama War |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 2 | 6460 | Trial, The (Procès, Le) (1962) | Drama |
| 3 | 2202 | Lifeboat (1944) | Drama War |
| 4 | 246 | Hoop Dreams (1994) | Documentary |

| | predicted_rating |
|---|------------------|
| 0 | 4.050921 |
| 1 | 4.027694 |
| 2 | 4.000201 |
| 3 | 3.979141 |
| 4 | 3.847047 |

Tops 5 Recommendations for User 294:

| movieId | | title \ |
|---------|--------|--|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 1 | 1178 | Paths of Glory (1957) |
| 2 | 112552 | Whiplash (2014) |
| 3 | 246 | Hoop Dreams (1994) |

| | genres | predicted_rating |
|---|---------------------------------|------------------|
| 0 | Crime Drama | 3.899784 |
| 1 | Drama War | 3.866486 |
| 2 | Drama | 3.841069 |
| 3 | Documentary | 3.805366 |
| 4 | Animation Comedy Fantasy Sci-Fi | 3.804833 |

Tops 5 Recommendations for User 295:

| | movieId | title \ |
|---|---------|---|
| 0 | 1237 | Seventh Seal, The (Sjunde inseglet, Det) (1957) |
| 1 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... |
| 2 | 69524 | Raiders of the Lost Ark: The Adaptation (1989) |
| 3 | 1104 | Streetcar Named Desire, A (1951) |
| 4 | 1178 | Paths of Glory (1957) |

| | genres | predicted_rating |
|---|---------------------------|------------------|
| 0 | Drama | 4.599483 |
| 1 | Drama War | 4.570704 |
| 2 | Action Adventure Thriller | 4.566467 |
| 3 | Drama | 4.553040 |
| 4 | Drama War | 4.517317 |

Tops 5 Recommendations for User 296:

| | movieId | title \ |
|---|---------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 1 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... |
| 2 | 1203 | 12 Angry Men (1957) |
| 3 | 2202 | Lifeboat (1944) |
| 4 | 8477 | Jetée, La (1962) |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Crime Drama | 4.808372 |
| 1 | Comedy Crime Drama Thriller | 4.763392 |
| 2 | Drama | 4.726004 |
| 3 | Drama War | 4.720324 |
| 4 | Romance Sci-Fi | 4.708940 |

Tops 5 Recommendations for User 297:

| | movieId | title | genres | predicted_rating |
|---|---------|--------------------------------|-------------|------------------|
| 0 | 2202 | Lifeboat (1944) | Drama War | 4.079877 |
| 1 | 858 | Godfather, The (1972) | Crime Drama | 4.025070 |
| 2 | 1217 | Ran (1985) | Drama War | 3.921936 |
| 3 | 1178 | Paths of Glory (1957) | Drama War | 3.915397 |
| 4 | 1221 | Godfather: Part II, The (1974) | Crime Drama | 3.906954 |

Tops 5 Recommendations for User 298:

| | movieId | title \ |
|---|---------|---|
| 0 | 1223 | Grand Day Out with Wallace and Gromit, A (1989) |
| 1 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... |
| 2 | 2202 | Lifeboat (1944) |
| 3 | 1104 | Streetcar Named Desire, A (1951) |
| 4 | 246 | Hoop Dreams (1994) |

| | genres | predicted_rating |
|---|--|------------------|
| 0 | Adventure Animation Children Comedy Sci-Fi | 3.485727 |
| 1 | Comedy Crime Drama Thriller | 3.473866 |
| 2 | Drama War | 3.452366 |
| 3 | Drama | 3.451214 |
| 4 | Documentary | 3.451077 |

Tops 5 Recommendations for User 299:

| | movieId | title | genres \ |
|---|---------|-------------------------------------|----------------|
| 0 | 3451 | Guess Who's Coming to Dinner (1967) | Drama |
| 1 | 8477 | Jetée, La (1962) | Romance Sci-Fi |
| 2 | 3200 | Last Detail, The (1973) | Comedy Drama |
| 3 | 1178 | Paths of Glory (1957) | Drama War |
| 4 | 1217 | Ran (1985) | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 4.470616 |

| | |
|---|----------|
| 1 | 4.461866 |
| 2 | 4.451358 |
| 3 | 4.431020 |
| 4 | 4.416604 |

Tops 5 Recommendations for User 300:

| movieId | | title | genres \ |
|---------|--------|--|-------------|
| 0 | 1178 | Paths of Glory (1957) | Drama War |
| 1 | 2202 | Lifeboat (1944) | Drama War |
| 2 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 3 | 1217 | Ran (1985) | Drama War |
| 4 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.820646 |
| 1 | 4.760181 |
| 2 | 4.709094 |
| 3 | 4.683373 |
| 4 | 4.670118 |

Tops 5 Recommendations for User 301:

| movieId | | title \ |
|---------|--------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 1 | 2202 | Lifeboat (1944) |
| 2 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... |
| 3 | 8477 | Jetée, La (1962) |
| 4 | 1178 | Paths of Glory (1957) |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Crime Drama | 4.300574 |
| 1 | Drama War | 4.263532 |
| 2 | Comedy Crime Drama Thriller | 4.253419 |
| 3 | Romance Sci-Fi | 4.235373 |
| 4 | Drama War | 4.202251 |

Tops 5 Recommendations for User 302:

| movieId | | title \ |
|---------|--------|---|
| 0 | 2202 | Lifeboat (1944) |
| 1 | 1178 | Paths of Glory (1957) |
| 2 | 6460 | Trial, The (Procès, Le) (1962) |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 4 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 5.000000 |
| 1 | Drama War | 4.904786 |
| 2 | Drama | 4.845492 |
| 3 | Crime Drama | 4.833123 |
| 4 | Action Animation Drama Fantasy Sci-Fi | 4.827984 |

Tops 5 Recommendations for User 303:

| movieId | | title \ |
|---------|-------|--|
| 0 | 8477 | Jetée, La (1962) |
| 1 | 65642 | Timecrimes (Cronocrímenes, Los) (2007) |
| 2 | 8132 | Gladiator (1992) |
| 3 | 930 | Notorious (1946) |
| 4 | 2202 | Lifeboat (1944) |

| | genres | predicted_rating |
|---|----------------------------|------------------|
| 0 | Romance Sci-Fi | 4.784246 |
| 1 | Sci-Fi Thriller | 4.662368 |
| 2 | Action Drama | 4.630573 |
| 3 | Film-Noir Romance Thriller | 4.624051 |
| 4 | Drama War | 4.619792 |

Tops 5 Recommendations for User 304:

| movieId | | title | genres \ |
|---------|------|---|---------------|
| 0 | 3451 | Guess Who's Coming to Dinner (1967) | Drama |
| 1 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | Drama Romance |
| 2 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 3 | 246 | Hoop Dreams (1994) | Documentary |
| 4 | 2202 | Lifeboat (1944) | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 4.709252 |
| 1 | 4.669825 |
| 2 | 4.644854 |
| 3 | 4.632429 |
| 4 | 4.605029 |

Tops 5 Recommendations for User 305:

| | movieId | | title | genres \ |
|---|---------|---|-------------------------|--------------|
| 0 | 1041 | | Secrets & Lies (1996) | Drama |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 2 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 3 | 2202 | | Lifeboat (1944) | Drama War |
| 4 | 3200 | | Last Detail, The (1973) | Comedy Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.819771 |
| 1 | 4.808394 |
| 2 | 4.791777 |
| 3 | 4.750723 |
| 4 | 4.738462 |

Tops 5 Recommendations for User 306:

| | movieId | | title | genres \ |
|---|---------|---|-----------------------|-------------|
| 0 | 2202 | | Lifeboat (1944) | Drama War |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 2 | 1178 | | Paths of Glory (1957) | Drama War |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 4 | 1041 | | Secrets & Lies (1996) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.259531 |
| 1 | 4.247501 |
| 2 | 4.203864 |
| 3 | 4.153433 |
| 4 | 4.144186 |

Tops 5 Recommendations for User 307:

| | movieId | | title \ |
|---|---------|---|-----------------------|
| 0 | 1178 | | Paths of Glory (1957) |
| 1 | 1217 | | Ran (1985) |
| 2 | 1104 | Streetcar Named Desire, A | (1951) |
| 3 | 1223 | Grand Day Out with Wallace and Gromit, A | (1989) |
| 4 | 2239 | Swept Away (Travolti da un insolito destino ne... | |

| | genres | predicted_rating |
|---|--|------------------|
| 0 | Drama War | 3.804034 |
| 1 | Drama War | 3.751618 |
| 2 | Drama | 3.730316 |
| 3 | Adventure Animation Children Comedy Sci-Fi | 3.726875 |
| 4 | Comedy Drama | 3.722289 |

Tops 5 Recommendations for User 308:

| | movieId | | title \ |
|---|---------|--|------------------------|
| 0 | 80906 | | Inside Job (2010) |
| 1 | 81834 | Harry Potter and the Deathly Hallows: Part 1 (...) | |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 3 | 3675 | | White Christmas (1954) |
| 4 | 1303 | Man Who Would Be King, The | (1975) |

| | genres | predicted_rating |
|---|-------------------------------|------------------|
| 0 | Documentary | 3.729373 |
| 1 | Action Adventure Fantasy IMAX | 3.698821 |
| 2 | Crime Drama | 3.630028 |
| 3 | Comedy Musical Romance | 3.589975 |
| 4 | Adventure Drama | 3.524827 |

Tops 5 Recommendations for User 309:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |

```

2      3266  Man Bites Dog (C'est arrivé près de chez vous)...
3      1217                                     Ran (1985)
4      7008  Last Tango in Paris (Ultimo tango a Parigi) (1...

```

```

                                genres  predicted_rating
0                                Crime|Drama          4.382099
1  Action|Animation|Drama|Fantasy|Sci-Fi          4.302804
2                                Comedy|Crime|Drama|Thriller  4.288886
3                                Drama|War            4.288135
4                                Drama|Romance         4.271196

```

Tops 5 Recommendations for User 310:

```

    movieId                                     title \
0      3019                                Drugstore Cowboy (1989)
1     116897                                Wild Tales (2014)
2       720  Wallace & Gromit: The Best of Aardman Animatio...
3      1178                                Paths of Glory (1957)
4     2132      Who's Afraid of Virginia Woolf? (1966)

```

```

                                genres  predicted_rating
0                                Crime|Drama          4.609914
1      Comedy|Drama|Thriller          4.605748
2  Adventure|Animation|Comedy          4.518248
3                                Drama|War          4.501158
4                                Drama            4.487879

```

Tops 5 Recommendations for User 311:

```

    movieId                                     title \
0     43376  Sophie Scholl: The Final Days (Sophie Scholl -...
1       6460                                Trial, The (Procès, Le) (1962)
2     89904                                The Artist (2011)
3       4642      Hedwig and the Angry Inch (2000)
4       1217                                     Ran (1985)

```

```

                                genres  predicted_rating
0      Drama|War            3.405377
1      Drama            3.394093
2  Comedy|Drama|Romance          3.373248
3  Comedy|Drama|Musical          3.367972
4      Drama|War            3.346343

```

Tops 5 Recommendations for User 312:

```

    movieId                                     title \
0     27156  Neon Genesis Evangelion: The End of Evangelion...
1       1217                                     Ran (1985)
2       1104      Streetcar Named Desire, A (1951)
3       2202                                Lifeboat (1944)
4        858      Godfather, The (1972)

```

```

                                genres  predicted_rating
0  Action|Animation|Drama|Fantasy|Sci-Fi          4.578037
1                                Drama|War          4.535884
2                                Drama            4.513395
3                                Drama|War          4.502412
4      Crime|Drama            4.489077

```

Tops 5 Recommendations for User 313:

```

    movieId                                     title \
0       6460                                Trial, The (Procès, Le) (1962)
1     43376  Sophie Scholl: The Final Days (Sophie Scholl -...
2      3266  Man Bites Dog (C'est arrivé près de chez vous)...
3      6666  Discreet Charm of the Bourgeoisie, The (Charme...
4       2202                                Lifeboat (1944)

```

```

                                genres  predicted_rating
0      Drama            4.626595
1      Drama|War          4.525978
2  Comedy|Crime|Drama|Thriller          4.503483
3      Comedy|Drama|Fantasy          4.481198
4      Drama|War          4.466063

```

Tops 5 Recommendations for User 314:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 1 | 1178 | Paths of Glory | (1957) |
| 2 | 1104 | Streetcar Named Desire, A | (1951) |
| 3 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 4 | 1041 | Secrets & Lies | (1996) |

| | | genres | predicted_rating |
|---|---------------------------------------|-------------|------------------|
| 0 | | Crime Drama | 4.132082 |
| 1 | | Drama War | 4.096059 |
| 2 | | Drama | 4.087972 |
| 3 | Action Animation Drama Fantasy Sci-Fi | | 4.077678 |
| 4 | | Drama | 4.047792 |

Tops 5 Recommendations for User 315:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 3451 | Guess Who's Coming to Dinner | (1967) |
| 1 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) | (1... |
| 2 | 1178 | Paths of Glory | (1957) |
| 3 | 2202 | Lifeboat | (1944) |
| 4 | 930 | Notorious | (1946) |

| | | genres | predicted_rating |
|---|----------------------------|---------------|------------------|
| 0 | | Drama | 4.090222 |
| 1 | | Drama Romance | 4.041527 |
| 2 | | Drama War | 4.027229 |
| 3 | | Drama War | 4.026509 |
| 4 | Film-Noir Romance Thriller | | 4.014255 |

Tops 5 Recommendations for User 316:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 1217 | Ran | (1985) |
| 1 | 1178 | Paths of Glory | (1957) |
| 2 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 3 | 904 | Rear Window | (1954) |
| 4 | 1248 | Touch of Evil | (1958) |

| | | genres | predicted_rating |
|---|---------------------------------------|--------------------------|------------------|
| 0 | | Drama War | 4.000547 |
| 1 | | Drama War | 3.988619 |
| 2 | Action Animation Drama Fantasy Sci-Fi | | 3.969633 |
| 3 | | Mystery Thriller | 3.943865 |
| 4 | | Crime Film-Noir Thriller | 3.943555 |

Tops 5 Recommendations for User 317:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 1104 | Streetcar Named Desire, A | (1951) |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 2 | 2019 | Seven Samurai (Shichinin no samurai) | (1954) |
| 3 | 6104 | Monty Python Live at the Hollywood Bowl | (1982) |
| 4 | 1204 | Lawrence of Arabia | (1962) |

| | | genres | predicted_rating |
|---|---------------------------------------|------------------------|------------------|
| 0 | | Drama | 4.357404 |
| 1 | Action Animation Drama Fantasy Sci-Fi | | 4.334408 |
| 2 | | Action Adventure Drama | 4.312016 |
| 3 | | Comedy | 4.299476 |
| 4 | | Adventure Drama War | 4.298074 |

Tops 5 Recommendations for User 318:

| | movieId | | title | genres \ |
|---|---------|---|--------|-----------|
| 0 | 1178 | Paths of Glory | (1957) | Drama War |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 2 | 1217 | Ran | (1985) | Drama War |
| 3 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | | Drama War |
| 4 | 2202 | Lifeboat | (1944) | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 4.489742 |
| 1 | 4.487174 |
| 2 | 4.443738 |
| 3 | 4.430307 |

Tops 5 Recommendations for User 319:

| | movieId | | title \ |
|---|---------|---|-----------------|
| 0 | 2202 | | Lifeboat (1944) |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 2 | 4642 | Hedwig and the Angry Inch | (2000) |
| 3 | 51931 | Reign Over Me | (2007) |
| 4 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) | (1... |

| | genres | predicted_rating |
|---|----------------------|------------------|
| 0 | Drama War | 4.948509 |
| 1 | Crime Drama | 4.923406 |
| 2 | Comedy Drama Musical | 4.908055 |
| 3 | Drama | 4.899047 |
| 4 | Drama Romance | 4.881346 |

Tops 5 Recommendations for User 320:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 1 | 3451 | Guess Who's Coming to Dinner | (1967) |
| 2 | 1041 | Secrets & Lies | (1996) |
| 3 | 1248 | Touch of Evil | (1958) |
| 4 | 7121 | Adam's Rib | (1949) |

| | genres | predicted_rating |
|---|--------------------------|------------------|
| 0 | Crime Drama | 4.363123 |
| 1 | Drama | 4.316296 |
| 2 | Drama | 4.289231 |
| 3 | Crime Film-Noir Thriller | 4.266492 |
| 4 | Comedy Romance | 4.261736 |

Tops 5 Recommendations for User 321:

| | movieId | | title | genres \ |
|---|---------|---|-----------------|-------------|
| 0 | 2202 | | Lifeboat (1944) | Drama War |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 3 | 2360 | Celebration, The (Festen) | (1998) | Drama |
| 4 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 4.477356 |
| 1 | 4.442023 |
| 2 | 4.401594 |
| 3 | 4.391327 |
| 4 | 4.381679 |

Tops 5 Recommendations for User 322:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) |
| 2 | 106642 | Day of the Doctor, The | (2013) |
| 3 | 3200 | Last Detail, The | (1973) |
| 4 | 2202 | Lifeboat | (1944) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Action Animation Drama Fantasy Sci-Fi | 4.134257 |
| 1 | Drama | 4.129439 |
| 2 | Adventure Drama Sci-Fi | 4.128548 |
| 3 | Comedy Drama | 4.105640 |
| 4 | Drama War | 4.075310 |

Tops 5 Recommendations for User 323:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 1 | 1104 | Streetcar Named Desire, A | (1951) |
| 2 | 1178 | Paths of Glory | (1957) |
| 3 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 4 | 6460 | Trial, The (Procès, Le) | (1962) |

| | genres | predicted_rating |
|---|-------------|------------------|
| 0 | Crime Drama | 4.165005 |

| | | | |
|---|---------------------------------------|-----------|----------|
| 1 | | Drama | 4.129402 |
| 2 | | Drama War | 4.107788 |
| 3 | Action Animation Drama Fantasy Sci-Fi | | 4.061977 |
| 4 | | Drama | 4.028523 |

Tops 5 Recommendations for User 324:

| | movieId | | title \ |
|---|---------|---|---------------------------|
| 0 | 1178 | | Paths of Glory (1957) |
| 1 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | |
| 2 | 1217 | | Ran (1985) |
| 3 | 905 | It Happened One Night (1934) | |
| 4 | 1204 | | Lawrence of Arabia (1962) |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Drama War | 4.382794 |
| 1 | Comedy Crime Drama Thriller | 4.321658 |
| 2 | Drama War | 4.274779 |
| 3 | Comedy Romance | 4.260738 |
| 4 | Adventure Drama War | 4.250625 |

Tops 5 Recommendations for User 325:

| | movieId | | title | genres | predicted_rating |
|---|---------|----------------------------------|-----------------------|-----------|------------------|
| 0 | 2202 | | Lifeboat (1944) | Drama War | 4.488890 |
| 1 | 1178 | | Paths of Glory (1957) | Drama War | 4.472425 |
| 2 | 1104 | Streetcar Named Desire, A (1951) | | Drama | 4.469146 |
| 3 | 8477 | Jetée, La (1962) | Romance Sci-Fi | | 4.423007 |
| 4 | 6460 | Trial, The (Procès, Le) (1962) | | Drama | 4.396220 |

Tops 5 Recommendations for User 326:

| | movieId | | title | genres \ |
|---|---------|---|--------------------------------|---------------|
| 0 | 6460 | | Trial, The (Procès, Le) (1962) | Drama |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | | Crime Drama |
| 2 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | | Drama Romance |
| 3 | 1104 | Streetcar Named Desire, A (1951) | | Drama |
| 4 | 1178 | | Paths of Glory (1957) | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 4.760099 |
| 1 | 4.713962 |
| 2 | 4.687063 |
| 3 | 4.674724 |
| 4 | 4.673064 |

Tops 5 Recommendations for User 327:

| | movieId | | title \ |
|---|---------|---|------------------|
| 0 | 1217 | | Ran (1985) |
| 1 | 87234 | | Submarine (2010) |
| 2 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | |
| 3 | 1683 | Wings of the Dove, The (1997) | |
| 4 | 1949 | Man for All Seasons, A (1966) | |

| | genres | predicted_rating |
|---|----------------------|------------------|
| 0 | Drama War | 4.976959 |
| 1 | Comedy Drama Romance | 4.933826 |
| 2 | Drama Romance | 4.910647 |
| 3 | Drama Romance | 4.909769 |
| 4 | Drama | 4.902591 |

Tops 5 Recommendations for User 328:

| | movieId | | title \ |
|---|---------|---|--------------------------------|
| 0 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 1 | 6460 | | Trial, The (Procès, Le) (1962) |
| 2 | 59141 | | Son of Rambow (2007) |
| 3 | 1178 | | Paths of Glory (1957) |
| 4 | 87234 | | Submarine (2010) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Action Animation Drama Fantasy Sci-Fi | 4.050355 |
| 1 | Drama | 4.041624 |
| 2 | Children Comedy Drama | 3.998728 |
| 3 | Drama War | 3.972218 |
| 4 | Comedy Drama Romance | 3.956907 |

Tops 5 Recommendations for User 329:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 1172 | Cinema Paradiso (Nuovo cinema Paradiso) | (1989) |
| 1 | 156025 | Ice Age: The Great Egg-Scapade | (2016) |
| 2 | 1104 | Streetcar Named Desire, A | (1951) |
| 3 | 3090 | Matewan | (1987) |
| 4 | 3341 | Born Yesterday | (1950) |

| | genres | predicted_rating |
|---|-------------------------------------|------------------|
| 0 | Drama | 3.656010 |
| 1 | Adventure Animation Children Comedy | 3.636200 |
| 2 | Drama | 3.632921 |
| 3 | Drama | 3.626271 |
| 4 | Comedy | 3.624878 |

Tops 5 Recommendations for User 330:

| | movieId | | title | genres \ |
|---|---------|---|--------|-------------|
| 0 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 1 | 1178 | Paths of Glory | (1957) | Drama War |
| 2 | 2202 | Lifeboat | (1944) | Drama War |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 4 | 1041 | Secrets & Lies | (1996) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.551287 |
| 1 | 4.493221 |
| 2 | 4.444489 |
| 3 | 4.431098 |
| 4 | 4.410356 |

Tops 5 Recommendations for User 331:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 1178 | Paths of Glory | (1957) |
| 1 | 2202 | Lifeboat | (1944) |
| 2 | 750 | Dr. Strangelove or: How I Learned to Stop Worr... | |
| 3 | 51931 | Reign Over Me | (2007) |
| 4 | 2019 | Seven Samurai (Shichinin no samurai) | (1954) |

| | genres | predicted_rating |
|---|------------------------|------------------|
| 0 | Drama War | 4.537027 |
| 1 | Drama War | 4.531266 |
| 2 | Comedy War | 4.499663 |
| 3 | Drama | 4.476047 |
| 4 | Action Adventure Drama | 4.458066 |

Tops 5 Recommendations for User 332:

| | movieId | | title | genres \ |
|---|---------|---|--------|--------------|
| 0 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 1 | 2202 | Lifeboat | (1944) | Drama War |
| 2 | 1178 | Paths of Glory | (1957) | Drama War |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 4 | 3200 | Last Detail, The | (1973) | Comedy Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.341486 |
| 1 | 4.335433 |
| 2 | 4.301141 |
| 3 | 4.286968 |
| 4 | 4.262527 |

Tops 5 Recommendations for User 333:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 2202 | Lifeboat | (1944) |
| 1 | 1217 | Ran | (1985) |
| 2 | 969 | African Queen, The | (1951) |
| 3 | 6460 | Trial, The (Procès, Le) | (1962) |
| 4 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | |

| | genres | predicted_rating |
|---|-----------|------------------|
| 0 | Drama War | 4.009257 |
| 1 | Drama War | 3.936533 |

| | | |
|---|------------------------------|----------|
| 2 | Adventure Comedy Romance War | 3.862668 |
| 3 | Drama | 3.840112 |
| 4 | Comedy Crime Drama Thriller | 3.836973 |

Tops 5 Recommendations for User 334:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 1104 | Streetcar Named Desire, A | (1951) |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 2 | 1041 | Secrets & Lies | (1996) |
| 3 | 1217 | Ran | (1985) |
| 4 | 930 | Notorious | (1946) |

| | genres | predicted_rating |
|---|----------------------------|------------------|
| 0 | Drama | 4.090867 |
| 1 | Crime Drama | 4.077471 |
| 2 | Drama | 4.063430 |
| 3 | Drama War | 4.050155 |
| 4 | Film-Noir Romance Thriller | 4.050154 |

Tops 5 Recommendations for User 335:

| | movieId | | title \ |
|---|---------|--|---------|
| 0 | 51931 | Reign Over Me | (2007) |
| 1 | 1178 | Paths of Glory | (1957) |
| 2 | 1223 | Grand Day Out with Wallace and Gromit, A | (1989) |
| 3 | 1041 | Secrets & Lies | (1996) |
| 4 | 1217 | Ran | (1985) |

| | genres | predicted_rating |
|---|--|------------------|
| 0 | Drama | 4.709707 |
| 1 | Drama War | 4.673376 |
| 2 | Adventure Animation Children Comedy Sci-Fi | 4.662320 |
| 3 | Drama | 4.647297 |
| 4 | Drama War | 4.645525 |

Tops 5 Recommendations for User 336:

| | movieId | | title | genres \ |
|---|---------|---|--------|-------------|
| 0 | 1178 | Paths of Glory | (1957) | Drama War |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 3 | 1217 | Ran | (1985) | Drama War |
| 4 | 1041 | Secrets & Lies | (1996) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.883972 |
| 1 | 4.879325 |
| 2 | 4.876712 |
| 3 | 4.843651 |
| 4 | 4.826310 |

Tops 5 Recommendations for User 337:

| | movieId | | title | genres \ |
|---|---------|---------------------------|--------|----------------------------|
| 0 | 246 | Hoop Dreams | (1994) | Documentary |
| 1 | 930 | Notorious | (1946) | Film-Noir Romance Thriller |
| 2 | 1041 | Secrets & Lies | (1996) | Drama |
| 3 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 4 | 1217 | Ran | (1985) | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 5 |
| 1 | 5 |
| 2 | 5 |
| 3 | 5 |
| 4 | 5 |

Tops 5 Recommendations for User 338:

| | movieId | | title \ |
|---|---------|---|------------|
| 0 | 1178 | Paths of Glory | (1957) |
| 1 | 1248 | Touch of Evil | (1958) |
| 2 | 6666 | Discreet Charm of the Bourgeoisie, The | (Charme... |
| 3 | 750 | Dr. Strangelove or: How I Learned to Stop Worr... | |
| 4 | 6460 | Trial, The (Procès, Le) | (1962) |

| | genres | predicted_rating |
|---|--------------------------|------------------|
| 0 | Drama War | 4.109776 |
| 1 | Crime Film-Noir Thriller | 4.057935 |
| 2 | Comedy Drama Fantasy | 4.007465 |
| 3 | Comedy War | 3.992708 |
| 4 | Drama | 3.987062 |

Tops 5 Recommendations for User 339:

| | movieId | title | genres \ |
|---|---------|----------------------------------|--------------------------------|
| 0 | 1217 | Ran (1985) | Drama War |
| 1 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 2 | 246 | Hoop Dreams (1994) | Documentary |
| 3 | 2202 | Lifeboat (1944) | Drama War |
| 4 | 933 | To Catch a Thief (1955) | Crime Mystery Romance Thriller |

| | predicted_rating |
|---|------------------|
| 0 | 4.675254 |
| 1 | 4.674664 |
| 2 | 4.661146 |
| 3 | 4.610220 |
| 4 | 4.595744 |

Tops 5 Recommendations for User 340:

| | movieId | title | genres \ |
|---|---------|--|--------------|
| 0 | 3200 | Last Detail, The (1973) | Comedy Drama |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 2 | 2202 | Lifeboat (1944) | Drama War |
| 3 | 1178 | Paths of Glory (1957) | Drama War |
| 4 | 3451 | Guess Who's Coming to Dinner (1967) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 5.000000 |
| 1 | 4.973622 |
| 2 | 4.956570 |
| 3 | 4.943534 |
| 4 | 4.935921 |

Tops 5 Recommendations for User 341:

| | movieId | title | genres \ |
|---|---------|--|-------------|
| 0 | 2202 | Lifeboat (1944) | Drama War |
| 1 | 1217 | Ran (1985) | Drama War |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 3 | 3019 | Drugstore Cowboy (1989) | Crime Drama |
| 4 | 1104 | Streetcar Named Desire, A (1951) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.869029 |
| 1 | 4.806339 |
| 2 | 4.797249 |
| 3 | 4.777116 |
| 4 | 4.765707 |

Tops 5 Recommendations for User 342:

| | movieId | title \ |
|---|---------|---|
| 0 | 6460 | Trial, The (Procès, Le) (1962) |
| 1 | 1178 | Paths of Glory (1957) |
| 2 | 3200 | Last Detail, The (1973) |
| 3 | 2360 | Celebration, The (Festen) (1998) |
| 4 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama | 4.126171 |
| 1 | Drama War | 4.084861 |
| 2 | Comedy Drama | 4.061702 |
| 3 | Drama | 4.061411 |
| 4 | Action Animation Drama Fantasy Sci-Fi | 4.046850 |

Tops 5 Recommendations for User 343:

| | movieId | title | genres \ |
|---|---------|------------------|----------------|
| 0 | 2202 | Lifeboat (1944) | Drama War |
| 1 | 1217 | Ran (1985) | Drama War |
| 2 | 8477 | Jetée, La (1962) | Romance Sci-Fi |

| | | | |
|---|--------|--|-------------|
| 3 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 4 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.621184 |
| 1 | 4.575816 |
| 2 | 4.547094 |
| 3 | 4.541953 |
| 4 | 4.540814 |

Tops 5 Recommendations for User 344:

| | movieId | title \ |
|---|---------|---|
| 0 | 176 | Living in Oblivion (1995) |
| 1 | 106642 | Day of the Doctor, The (2013) |
| 2 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 3 | 3675 | White Christmas (1954) |
| 4 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Comedy | 4.723752 |
| 1 | Adventure Drama Sci-Fi | 4.695239 |
| 2 | Action Animation Drama Fantasy Sci-Fi | 4.674262 |
| 3 | Comedy Musical Romance | 4.651317 |
| 4 | Drama War | 4.627023 |

Tops 5 Recommendations for User 345:

| | movieId | title | genres \ |
|---|---------|--|--------------|
| 0 | 26810 | Bad Boy Bubby (1993) | Drama |
| 1 | 2202 | Lifeboat (1944) | Drama War |
| 2 | 3451 | Guess Who's Coming to Dinner (1967) | Drama |
| 3 | 3200 | Last Detail, The (1973) | Comedy Drama |
| 4 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.714359 |
| 1 | 4.679677 |
| 2 | 4.648500 |
| 3 | 4.638028 |
| 4 | 4.633749 |

Tops 5 Recommendations for User 346:

| | movieId | title | genres \ |
|---|---------|--|-------------|
| 0 | 2202 | Lifeboat (1944) | Drama War |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 2 | 1178 | Paths of Glory (1957) | Drama War |
| 3 | 1217 | Ran (1985) | Drama War |
| 4 | 6460 | Trial, The (Procès, Le) (1962) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.289708 |
| 1 | 4.273185 |
| 2 | 4.271828 |
| 3 | 4.249477 |
| 4 | 4.211843 |

Tops 5 Recommendations for User 347:

| | movieId | title | genres \ |
|---|---------|-------------------------------------|------------------------|
| 0 | 106642 | Day of the Doctor, The (2013) | Adventure Drama Sci-Fi |
| 1 | 3451 | Guess Who's Coming to Dinner (1967) | Drama |
| 2 | 3200 | Last Detail, The (1973) | Comedy Drama |
| 3 | 8477 | Jetée, La (1962) | Romance Sci-Fi |
| 4 | 8132 | Gladiator (1992) | Action Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.414107 |
| 1 | 4.408033 |
| 2 | 4.373859 |
| 3 | 4.337273 |
| 4 | 4.312986 |

Tops 5 Recommendations for User 348:

| | movieId | title | genres \ |
|--|---------|-------|----------|
|--|---------|-------|----------|

| | | | | |
|---|------|-------------------------------------|--------|------------------|
| 0 | 741 | Ghost in the Shell (Kôkaku kidôtai) | (1995) | Animation Sci-Fi |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 2 | 1178 | Paths of Glory | (1957) | Drama War |
| 3 | 1217 | Ran | (1985) | Drama War |
| 4 | 2202 | Lifeboat | (1944) | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 5 |
| 1 | 5 |
| 2 | 5 |
| 3 | 5 |
| 4 | 5 |

Tops 5 Recommendations for User 349:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 2202 | Lifeboat | (1944) |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 2 | 3200 | Last Detail, The | (1973) |
| 3 | 106642 | Day of the Doctor, The | (2013) |
| 4 | 6791 | Babette's Feast (Babettes gæstebud) | (1987) |

| | genres | predicted_rating |
|---|------------------------|------------------|
| 0 | Drama War | 4.638595 |
| 1 | Crime Drama | 4.612671 |
| 2 | Comedy Drama | 4.575345 |
| 3 | Adventure Drama Sci-Fi | 4.556565 |
| 4 | Drama | 4.545993 |

Tops 5 Recommendations for User 350:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 3200 | Last Detail, The | (1973) |
| 1 | 106642 | Day of the Doctor, The | (2013) |
| 2 | 3451 | Guess Who's Coming to Dinner | (1967) |
| 3 | 2202 | Lifeboat | (1944) |
| 4 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) | (1... |

| | genres | predicted_rating |
|---|------------------------|------------------|
| 0 | Comedy Drama | 4.239609 |
| 1 | Adventure Drama Sci-Fi | 4.233709 |
| 2 | Drama | 4.220506 |
| 3 | Drama War | 4.214997 |
| 4 | Drama Romance | 4.182239 |

Tops 5 Recommendations for User 351:

| | movieId | | title | genres | predicted_rating |
|---|---------|------------------------------|--------|-----------|------------------|
| 0 | 1104 | Streetcar Named Desire, A | (1951) | Drama | 4.464201 |
| 1 | 1178 | Paths of Glory | (1957) | Drama War | 4.454136 |
| 2 | 2202 | Lifeboat | (1944) | Drama War | 4.442932 |
| 3 | 3451 | Guess Who's Coming to Dinner | (1967) | Drama | 4.403961 |
| 4 | 1217 | Ran | (1985) | Drama War | 4.398664 |

Tops 5 Recommendations for User 352:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 2202 | Lifeboat | (1944) |
| 1 | 1104 | Streetcar Named Desire, A | (1951) |
| 2 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 3 | 65642 | Timecrimes (Cronocrímenes, Los) | (2007) |
| 4 | 5500 | Top Secret! | (1984) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.696133 |
| 1 | Drama | 4.598364 |
| 2 | Action Animation Drama Fantasy Sci-Fi | 4.536585 |
| 3 | Sci-Fi Thriller | 4.534569 |
| 4 | Comedy | 4.491559 |

Tops 5 Recommendations for User 353:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 1178 | Paths of Glory | (1957) |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 2 | 51931 | Reign Over Me | (2007) |
| 3 | 2360 | Celebration, The (Festen) | (1998) |

4 6460 Trial, The (Procès, Le) (1962)

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.770187 |
| 1 | Action Animation Drama Fantasy Sci-Fi | 4.761435 |
| 2 | Drama | 4.636411 |
| 3 | Drama | 4.563696 |
| 4 | Drama | 4.563105 |

Tops 5 Recommendations for User 354:

| | movieId | | title | genres \ |
|---|---------|---|----------------------------------|-------------|
| 0 | 2202 | | Lifeboat (1944) | Drama War |
| 1 | 1104 | | Streetcar Named Desire, A (1951) | Drama |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 3 | 1178 | | Paths of Glory (1957) | Drama War |
| 4 | 1041 | | Secrets & Lies (1996) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.522118 |
| 1 | 4.503217 |
| 2 | 4.496988 |
| 3 | 4.482824 |
| 4 | 4.431291 |

Tops 5 Recommendations for User 355:

| | movieId | | title | genres \ |
|---|---------|---|----------------------------------|----------------|
| 0 | 1178 | | Paths of Glory (1957) | Drama War |
| 1 | 1104 | | Streetcar Named Desire, A (1951) | Drama |
| 2 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | | Drama War |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 4 | 8477 | | Jetée, La (1962) | Romance Sci-Fi |

| | predicted_rating |
|---|------------------|
| 0 | 4.702352 |
| 1 | 4.699102 |
| 2 | 4.670523 |
| 3 | 4.663271 |
| 4 | 4.567955 |

Tops 5 Recommendations for User 356:

| | movieId | | title \ |
|---|---------|---|----------------------------------|
| 0 | 1178 | | Paths of Glory (1957) |
| 1 | 1104 | | Streetcar Named Desire, A (1951) |
| 2 | 6460 | | Trial, The (Procès, Le) (1962) |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 4 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.735655 |
| 1 | Drama | 4.718467 |
| 2 | Drama | 4.704754 |
| 3 | Crime Drama | 4.690678 |
| 4 | Action Animation Drama Fantasy Sci-Fi | 4.684047 |

Tops 5 Recommendations for User 357:

| | movieId | | title \ |
|---|---------|---|-----------------------|
| 0 | 1178 | | Paths of Glory (1957) |
| 1 | 2202 | | Lifeboat (1944) |
| 2 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 4 | 1217 | | Ran (1985) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.640601 |
| 1 | Drama War | 4.634314 |
| 2 | Action Animation Drama Fantasy Sci-Fi | 4.611517 |
| 3 | Crime Drama | 4.606293 |
| 4 | Drama War | 4.561051 |

Tops 5 Recommendations for User 358:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | |

| | | |
|---|-------|---|
| 1 | 1104 | Streetcar Named Desire, A (1951) |
| 2 | 27397 | Joint Security Area (Gongdong gyeongbi guyeok ... |
| 3 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 4 | 527 | Schindler's List (1993) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama Romance | 4.523929 |
| 1 | Drama | 4.521020 |
| 2 | Crime Drama Mystery Thriller War | 4.511182 |
| 3 | Action Animation Drama Fantasy Sci-Fi | 4.491323 |
| 4 | Drama War | 4.489820 |

Tops 5 Recommendations for User 359:

| | movieId | title | genres \ |
|---|---------|-------------------------------------|------------------------|
| 0 | 2202 | Lifeboat (1944) | Drama War |
| 1 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 2 | 106642 | Day of the Doctor, The (2013) | Adventure Drama Sci-Fi |
| 3 | 3451 | Guess Who's Coming to Dinner (1967) | Drama |
| 4 | 3200 | Last Detail, The (1973) | Comedy Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.269554 |
| 1 | 4.269073 |
| 2 | 4.263607 |
| 3 | 4.259451 |
| 4 | 4.226932 |

Tops 5 Recommendations for User 360:

| | movieId | title \ |
|---|---------|---|
| 0 | 1204 | Lawrence of Arabia (1962) |
| 1 | 6460 | Trial, The (Procès, Le) (1962) |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 3 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 4 | 933 | To Catch a Thief (1955) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Adventure Drama War | 4.854046 |
| 1 | Drama | 4.840416 |
| 2 | Crime Drama | 4.751520 |
| 3 | Action Animation Drama Fantasy Sci-Fi | 4.745814 |
| 4 | Crime Mystery Romance Thriller | 4.733322 |

Tops 5 Recommendations for User 361:

| | movieId | title \ |
|---|---------|---|
| 0 | 3451 | Guess Who's Coming to Dinner (1967) |
| 1 | 106642 | Day of the Doctor, The (2013) |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 3 | 7121 | Adam's Rib (1949) |
| 4 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... |

| | genres | predicted_rating |
|---|------------------------|------------------|
| 0 | Drama | 4.096542 |
| 1 | Adventure Drama Sci-Fi | 4.092276 |
| 2 | Crime Drama | 4.064108 |
| 3 | Comedy Romance | 4.025499 |
| 4 | Drama War | 4.008558 |

Tops 5 Recommendations for User 362:

| | movieId | title \ |
|---|---------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 1 | 2202 | Lifeboat (1944) |
| 2 | 1178 | Paths of Glory (1957) |
| 3 | 1217 | Ran (1985) |
| 4 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Crime Drama | 4.852358 |
| 1 | Drama War | 4.839739 |
| 2 | Drama War | 4.819831 |
| 3 | Drama War | 4.807733 |
| 4 | Action Animation Drama Fantasy Sci-Fi | 4.805640 |

Tops 5 Recommendations for User 363:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 3451 | Guess Who's Coming to Dinner | (1967) |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 2 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 3 | 1104 | Streetcar Named Desire, A | (1951) |
| 4 | 8477 | Jetée, La | (1962) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama | 4.304397 |
| 1 | Crime Drama | 4.219305 |
| 2 | Action Animation Drama Fantasy Sci-Fi | 4.216068 |
| 3 | Drama | 4.210860 |
| 4 | Romance Sci-Fi | 4.189162 |

Tops 5 Recommendations for User 364:

| | movieId | | title | genres \ |
|---|---------|---|--------|----------------|
| 0 | 1041 | Secrets & Lies | (1996) | Drama |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 2 | 8132 | Gladiator | (1992) | Action Drama |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 4 | 8477 | Jetée, La | (1962) | Romance Sci-Fi |

| | predicted_rating |
|---|------------------|
| 0 | 5.00000 |
| 1 | 5.00000 |
| 2 | 5.00000 |
| 3 | 5.00000 |
| 4 | 4.99282 |

Tops 5 Recommendations for User 365:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 26810 | Bad Boy Bubby | (1993) |
| 1 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) | (1... |
| 2 | 3435 | Double Indemnity | (1944) |
| 3 | 928 | Rebecca | (1940) |
| 4 | 1041 | Secrets & Lies | (1996) |

| | genres | predicted_rating |
|---|--------------------------------|------------------|
| 0 | Drama | 3.775218 |
| 1 | Drama Romance | 3.699213 |
| 2 | Crime Drama Film-Noir | 3.697884 |
| 3 | Drama Mystery Romance Thriller | 3.686988 |
| 4 | Drama | 3.686361 |

Tops 5 Recommendations for User 366:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 2202 | Lifeboat | (1944) |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 2 | 1178 | Paths of Glory | (1957) |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 4 | 318 | Shawshank Redemption, The | (1994) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.583937 |
| 1 | Action Animation Drama Fantasy Sci-Fi | 4.534623 |
| 2 | Drama War | 4.524528 |
| 3 | Crime Drama | 4.465817 |
| 4 | Crime Drama | 4.465630 |

Tops 5 Recommendations for User 367:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 3451 | Guess Who's Coming to Dinner | (1967) |
| 1 | 6791 | Babette's Feast (Babettes gæstebud) | (1987) |
| 2 | 106642 | Day of the Doctor, The | (2013) |
| 3 | 1204 | Lawrence of Arabia | (1962) |
| 4 | 1172 | Cinema Paradiso (Nuovo cinema Paradiso) | (1989) |

| | genres | predicted_rating |
|---|------------------------|------------------|
| 0 | Drama | 4.936389 |
| 1 | Drama | 4.802308 |
| 2 | Adventure Drama Sci-Fi | 4.750156 |

| | | |
|---|---------------------|----------|
| 3 | Adventure Drama War | 4.742801 |
| 4 | Drama | 4.718342 |

Tops 5 Recommendations for User 368:

| | movieId | | title \ |
|---|---------|---|----------------------------------|
| 0 | 1217 | | Ran (1985) |
| 1 | 1178 | | Paths of Glory (1957) |
| 2 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 3 | 1104 | | Streetcar Named Desire, A (1951) |
| 4 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 3.956896 |
| 1 | Drama War | 3.948278 |
| 2 | Action Animation Drama Fantasy Sci-Fi | 3.923405 |
| 3 | Drama | 3.918450 |
| 4 | Crime Drama | 3.868130 |

Tops 5 Recommendations for User 369:

| | movieId | | title | genres \ |
|---|---------|---|----------------------------------|--------------|
| 0 | 6460 | | Trial, The (Procès, Le) (1962) | Drama |
| 1 | 1217 | | Ran (1985) | Drama War |
| 2 | 1104 | | Streetcar Named Desire, A (1951) | Drama |
| 3 | 3200 | | Last Detail, The (1973) | Comedy Drama |
| 4 | 2239 | Swept Away (Travolti da un insolito destino ne... | | Comedy Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.163913 |
| 1 | 4.144410 |
| 2 | 4.136952 |
| 3 | 4.125671 |
| 4 | 4.119887 |

Tops 5 Recommendations for User 370:

| | movieId | | title \ |
|---|---------|---|--------------------------------|
| 0 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 2 | 6460 | | Trial, The (Procès, Le) (1962) |
| 3 | 930 | | Notorious (1946) |
| 4 | 106642 | | Day of the Doctor, The (2013) |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Comedy Crime Drama Thriller | 4.243072 |
| 1 | Crime Drama | 4.237270 |
| 2 | Drama | 4.220884 |
| 3 | Film-Noir Romance Thriller | 4.189943 |
| 4 | Adventure Drama Sci-Fi | 4.188062 |

Tops 5 Recommendations for User 371:

| | movieId | | title | genres \ |
|---|---------|---------------------------|--------------------|----------------------------|
| 0 | 246 | | Hoop Dreams (1994) | Documentary |
| 1 | 318 | Shawshank Redemption, The | (1994) | Crime Drama |
| 2 | 527 | Schindler's List | (1993) | Drama War |
| 3 | 858 | Godfather, The | (1972) | Crime Drama |
| 4 | 930 | Notorious | (1946) | Film-Noir Romance Thriller |

| | predicted_rating |
|---|------------------|
| 0 | 5 |
| 1 | 5 |
| 2 | 5 |
| 3 | 5 |
| 4 | 5 |

Tops 5 Recommendations for User 372:

| | movieId | | title \ |
|---|---------|---|----------------------|
| 0 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 1 | 1217 | | Ran (1985) |
| 2 | 51931 | | Reign Over Me (2007) |
| 3 | 2202 | | Lifeboat (1944) |
| 4 | 7121 | | Adam's Rib (1949) |

| | genres | predicted_rating |
|--|--------|------------------|
|--|--------|------------------|

| | | |
|---|---------------------------------------|----------|
| 0 | Action Animation Drama Fantasy Sci-Fi | 4.262628 |
| 1 | Drama War | 4.262561 |
| 2 | Drama | 4.226238 |
| 3 | Drama War | 4.207993 |
| 4 | Comedy Romance | 4.169607 |

Tops 5 Recommendations for User 373:

| | movieId | | title \ |
|---|---------|---|-----------------------|
| 0 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 1 | 1217 | | Ran (1985) |
| 2 | 1178 | | Paths of Glory (1957) |
| 3 | 1221 | Godfather: Part II, The | (1974) |
| 4 | 858 | Godfather, The | (1972) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Action Animation Drama Fantasy Sci-Fi | 4.406464 |
| 1 | Drama War | 4.378569 |
| 2 | Drama War | 4.371896 |
| 3 | Crime Drama | 4.362858 |
| 4 | Crime Drama | 4.362646 |

Tops 5 Recommendations for User 374:

| | movieId | | title | genres \ |
|---|---------|---------------------------------|--------|-----------------|
| 0 | 8132 | Gladiator | (1992) | Action Drama |
| 1 | 3451 | Guess Who's Coming to Dinner | (1967) | Drama |
| 2 | 2202 | Lifeboat | (1944) | Drama War |
| 3 | 51931 | Reign Over Me | (2007) | Drama |
| 4 | 65642 | Timecrimes (Cronocrímenes, Los) | (2007) | Sci-Fi Thriller |

| | predicted_rating |
|---|------------------|
| 0 | 4.641525 |
| 1 | 4.594163 |
| 2 | 4.547809 |
| 3 | 4.546082 |
| 4 | 4.544277 |

Tops 5 Recommendations for User 375:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | |
| 1 | 8477 | Jetée, La | (1962) |
| 2 | 2202 | Lifeboat | (1944) |
| 3 | 56782 | There Will Be Blood | (2007) |
| 4 | 930 | Notorious | (1946) |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Comedy Crime Drama Thriller | 5.000000 |
| 1 | Romance Sci-Fi | 4.985212 |
| 2 | Drama War | 4.976319 |
| 3 | Drama Western | 4.942362 |
| 4 | Film-Noir Romance Thriller | 4.941330 |

Tops 5 Recommendations for User 376:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 3451 | Guess Who's Coming to Dinner | (1967) |
| 1 | 3200 | Last Detail, The | (1973) |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 3 | 106642 | Day of the Doctor, The | (2013) |
| 4 | 1248 | Touch of Evil | (1958) |

| | genres | predicted_rating |
|---|--------------------------|------------------|
| 0 | Drama | 4.737439 |
| 1 | Comedy Drama | 4.696978 |
| 2 | Crime Drama | 4.675959 |
| 3 | Adventure Drama Sci-Fi | 4.632885 |
| 4 | Crime Film-Noir Thriller | 4.594510 |

Tops 5 Recommendations for User 377:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 2202 | Lifeboat | (1944) |
| 1 | 8477 | Jetée, La | (1962) |
| 2 | 4642 | Hedwig and the Angry Inch | (2000) |
| 3 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |

| | | |
|---|---------------------------------------|-----------------------|
| 4 | 1178 | Paths of Glory (1957) |
| | genres | predicted_rating |
| 0 | Drama War | 4.901858 |
| 1 | Romance Sci-Fi | 4.831890 |
| 2 | Comedy Drama Musical | 4.811115 |
| 3 | Action Animation Drama Fantasy Sci-Fi | 4.801184 |
| 4 | Drama War | 4.785429 |

Tops 5 Recommendations for User 378:

| | | |
|---|---------|---|
| | movieId | title \ |
| 0 | 1178 | Paths of Glory (1957) |
| 1 | 2202 | Lifeboat (1944) |
| 2 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... |
| 3 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 4 | 3451 | Guess Who's Coming to Dinner (1967) |

| | | |
|---|---------------------------------------|------------------|
| | genres | predicted_rating |
| 0 | Drama War | 4.473773 |
| 1 | Drama War | 4.472946 |
| 2 | Drama Romance | 4.465923 |
| 3 | Action Animation Drama Fantasy Sci-Fi | 4.434649 |
| 4 | Drama | 4.434326 |

Tops 5 Recommendations for User 379:

| | | |
|---|---------|---|
| | movieId | title \ |
| 0 | 1217 | Ran (1985) |
| 1 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... |
| 2 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 4 | 106642 | Day of the Doctor, The (2013) |

| | | |
|---|------------------------|------------------|
| | genres | predicted_rating |
| 0 | Drama War | 4.244462 |
| 1 | Drama Romance | 4.202155 |
| 2 | Drama War | 4.200516 |
| 3 | Crime Drama | 4.195937 |
| 4 | Adventure Drama Sci-Fi | 4.193836 |

Tops 5 Recommendations for User 380:

| | | |
|---|---------|---|
| | movieId | title \ |
| 0 | 2202 | Lifeboat (1944) |
| 1 | 1217 | Ran (1985) |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 3 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... |
| 4 | 930 | Notorious (1946) |

| | | |
|---|-----------------------------|------------------|
| | genres | predicted_rating |
| 0 | Drama War | 4.697773 |
| 1 | Drama War | 4.676797 |
| 2 | Crime Drama | 4.657248 |
| 3 | Comedy Crime Drama Thriller | 4.641181 |
| 4 | Film-Noir Romance Thriller | 4.584227 |

Tops 5 Recommendations for User 381:

| | | | |
|---|---------|--|----------------|
| | movieId | title | genres \ |
| 0 | 3200 | Last Detail, The (1973) | Comedy Drama |
| 1 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 2 | 905 | It Happened One Night (1934) | Comedy Romance |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 4 | 2360 | Celebration, The (Festen) (1998) | Drama |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.407834 |
| 1 | 4.394812 |
| 2 | 4.392547 |
| 3 | 4.369162 |
| 4 | 4.360026 |

Tops 5 Recommendations for User 382:

| | | | |
|---|---------|------------|-----------|
| | movieId | title | genres \ |
| 0 | 1217 | Ran (1985) | Drama War |

| | | | |
|---|------|--|--------------------------|
| 1 | 1178 | Paths of Glory (1957) | Drama War |
| 2 | 2202 | Lifeboat (1944) | Drama War |
| 3 | 1136 | Monty Python and the Holy Grail (1975) | Adventure Comedy Fantasy |
| 4 | 4642 | Hedwig and the Angry Inch (2000) | Comedy Drama Musical |

| | predicted_rating |
|---|------------------|
| 0 | 4.693153 |
| 1 | 4.666586 |
| 2 | 4.610332 |
| 3 | 4.607833 |
| 4 | 4.588441 |

Tops 5 Recommendations for User 383:

| | movieId | title \ |
|---|---------|--|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 1 | 159817 | Planet Earth (2006) |
| 2 | 106642 | Day of the Doctor, The (2013) |
| 3 | 8477 | Jetée, La (1962) |
| 4 | 1104 | Streetcar Named Desire, A (1951) |

| | genres | predicted_rating |
|---|------------------------|------------------|
| 0 | Crime Drama | 4.810008 |
| 1 | Documentary | 4.794991 |
| 2 | Adventure Drama Sci-Fi | 4.790810 |
| 3 | Romance Sci-Fi | 4.757108 |
| 4 | Drama | 4.751134 |

Tops 5 Recommendations for User 384:

| | movieId | title \ |
|---|---------|---|
| 0 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 2 | 318 | Shawshank Redemption, The (1994) |
| 3 | 116897 | Wild Tales (2014) |
| 4 | 6791 | Babette's Feast (Babettes gæstebud) (1987) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Action Animation Drama Fantasy Sci-Fi | 4.289728 |
| 1 | Crime Drama | 4.279767 |
| 2 | Crime Drama | 4.257967 |
| 3 | Comedy Drama Thriller | 4.256982 |
| 4 | Drama | 4.243331 |

Tops 5 Recommendations for User 385:

| | movieId | title \ |
|---|---------|---|
| 0 | 1178 | Paths of Glory (1957) |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 2 | 1217 | Ran (1985) |
| 3 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 4 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.251236 |
| 1 | Crime Drama | 4.214047 |
| 2 | Drama War | 4.211350 |
| 3 | Action Animation Drama Fantasy Sci-Fi | 4.204555 |
| 4 | Drama Romance | 4.173896 |

Tops 5 Recommendations for User 386:

| | movieId | title \ |
|---|---------|---|
| 0 | 1104 | Streetcar Named Desire, A (1951) |
| 1 | 1178 | Paths of Glory (1957) |
| 2 | 1217 | Ran (1985) |
| 3 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 4 | 1248 | Touch of Evil (1958) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama | 3.845438 |
| 1 | Drama War | 3.798040 |
| 2 | Drama War | 3.730041 |
| 3 | Action Animation Drama Fantasy Sci-Fi | 3.700181 |
| 4 | Crime Film-Noir Thriller | 3.698238 |

Tops 5 Recommendations for User 387:

| | movieId | | title | genres \ |
|---|---------|---|-----------------------|-------------|
| 0 | 1178 | | Paths of Glory (1957) | Drama War |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 2 | 2202 | | Lifeboat (1944) | Drama War |
| 3 | 1217 | | Ran (1985) | Drama War |
| 4 | 6460 | Trial, The (Procès, Le) | (1962) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.303561 |
| 1 | 4.184296 |
| 2 | 4.160950 |
| 3 | 4.149476 |
| 4 | 4.142315 |

Tops 5 Recommendations for User 388:

| | movieId | | title | \ |
|---|---------|--|-------------------------|---|
| 0 | 3200 | | Last Detail, The (1973) | |
| 1 | 1237 | Seventh Seal, The (Sjunde inseglet, Det) | (1957) | |
| 2 | 8477 | | Jetée, La (1962) | |
| 3 | 65642 | Timecrimes (Cronocrímenes, Los) | (2007) | |
| 4 | 930 | | Notorious (1946) | |

| | genres | predicted_rating |
|---|----------------------------|------------------|
| 0 | Comedy Drama | 4.790706 |
| 1 | Drama | 4.745479 |
| 2 | Romance Sci-Fi | 4.664050 |
| 3 | Sci-Fi Thriller | 4.623839 |
| 4 | Film-Noir Romance Thriller | 4.619661 |

Tops 5 Recommendations for User 389:

| | movieId | | title | \ |
|---|---------|---|-----------------------|---|
| 0 | 1041 | | Secrets & Lies (1996) | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | |
| 2 | 2202 | | Lifeboat (1944) | |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | |
| 4 | 106642 | Day of the Doctor, The | (2013) | |

| | genres | predicted_rating |
|---|------------------------|------------------|
| 0 | Drama | 5.000000 |
| 1 | Drama | 5.000000 |
| 2 | Drama War | 5.000000 |
| 3 | Crime Drama | 5.000000 |
| 4 | Adventure Drama Sci-Fi | 4.975953 |

Tops 5 Recommendations for User 390:

| | movieId | | title | \ |
|---|---------|---|-------------------------|---|
| 0 | 8477 | | Jetée, La (1962) | |
| 1 | 6460 | Trial, The (Procès, Le) | (1962) | |
| 2 | 3200 | | Last Detail, The (1973) | |
| 3 | 246 | | Hoop Dreams (1994) | |
| 4 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | | |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Romance Sci-Fi | 4.561921 |
| 1 | Drama | 4.475456 |
| 2 | Comedy Drama | 4.467332 |
| 3 | Documentary | 4.450628 |
| 4 | Comedy Crime Drama Thriller | 4.430935 |

Tops 5 Recommendations for User 391:

| | movieId | | title | \ |
|---|---------|---|--------------------------|---|
| 0 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | | |
| 1 | 1248 | | Touch of Evil (1958) | |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | |
| 3 | 1237 | Seventh Seal, The (Sjunde inseglet, Det) | (1957) | |
| 4 | 1262 | | Great Escape, The (1963) | |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Action Animation Drama Fantasy Sci-Fi | 4.641317 |
| 1 | Crime Film-Noir Thriller | 4.504718 |
| 2 | Crime Drama | 4.501911 |

| | | | |
|---|----------------------------|-------|----------|
| 3 | | Drama | 4.464467 |
| 4 | Action Adventure Drama War | | 4.440782 |

Tops 5 Recommendations for User 392:

| | movieId | | title \ |
|---|---------|--|---------|
| 0 | 3200 | Last Detail, The | (1973) |
| 1 | 1223 | Grand Day Out with Wallace and Gromit, A | (1989) |
| 2 | 933 | To Catch a Thief | (1955) |
| 3 | 3435 | Double Indemnity | (1944) |
| 4 | 904 | Rear Window | (1954) |

| | genres | predicted_rating |
|---|--|------------------|
| 0 | Comedy Drama | 4.277349 |
| 1 | Adventure Animation Children Comedy Sci-Fi | 4.275388 |
| 2 | Crime Mystery Romance Thriller | 4.274414 |
| 3 | Crime Drama Film-Noir | 4.271558 |
| 4 | Mystery Thriller | 4.260384 |

Tops 5 Recommendations for User 393:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 6460 | Trial, The (Procès, Le) | (1962) |
| 1 | 4642 | Hedwig and the Angry Inch | (2000) |
| 2 | 54190 | Across the Universe | (2007) |
| 3 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | |
| 4 | 4144 | In the Mood For Love (Fa yeung nin wa) | (2000) |

| | genres | predicted_rating |
|---|-------------------------------|------------------|
| 0 | Drama | 4.730075 |
| 1 | Comedy Drama Musical | 4.713009 |
| 2 | Drama Fantasy Musical Romance | 4.709295 |
| 3 | Comedy Crime Drama Thriller | 4.683473 |
| 4 | Drama Romance | 4.675737 |

Tops 5 Recommendations for User 394:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 2202 | Lifeboat | (1944) |
| 1 | 40491 | Match Factory Girl, The (Tulitikkutehtaan tytt... | |
| 2 | 2360 | Celebration, The (Festen) | (1998) |
| 3 | 51931 | Reign Over Me | (2007) |
| 4 | 1136 | Monty Python and the Holy Grail | (1975) |

| | genres | predicted_rating |
|---|--------------------------|------------------|
| 0 | Drama War | 4.043054 |
| 1 | Comedy Drama | 3.973854 |
| 2 | Drama | 3.949011 |
| 3 | Drama | 3.931875 |
| 4 | Adventure Comedy Fantasy | 3.916955 |

Tops 5 Recommendations for User 395:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 1 | 7842 | Dune | (2000) |
| 2 | 89759 | Separation, A (Jodaeiye Nader az Simin) | (2011) |
| 3 | 176 | Living in Oblivion | (1995) |
| 4 | 3347 | Never Cry Wolf | (1983) |

| | genres | predicted_rating |
|---|----------------------|------------------|
| 0 | Crime Drama | 4.223591 |
| 1 | Drama Fantasy Sci-Fi | 4.163969 |
| 2 | Drama | 4.116923 |
| 3 | Comedy | 4.116628 |
| 4 | Adventure Drama | 4.113911 |

Tops 5 Recommendations for User 396:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 1 | 1178 | Paths of Glory | (1957) |
| 2 | 1237 | Seventh Seal, The (Sjunde inseglet, Det) | (1957) |
| 3 | 2924 | Drunken Master (Jui kuen) | (1978) |
| 4 | 6791 | Babette's Feast (Babettes gæstebud) | (1987) |

| | genres | predicted_rating |
|--|--------|------------------|
|--|--------|------------------|

| | | |
|---|---------------------------------------|----------|
| 0 | Action Animation Drama Fantasy Sci-Fi | 4.096772 |
| 1 | Drama War | 4.096124 |
| 2 | Drama | 4.059658 |
| 3 | Action Comedy | 4.059510 |
| 4 | Drama | 4.054343 |

Tops 5 Recommendations for User 397:

| movieId | title \ |
|----------|---|
| 0 2202 | Lifeboat (1944) |
| 1 933 | To Catch a Thief (1955) |
| 2 1178 | Paths of Glory (1957) |
| 3 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 4 2239 | Swept Away (Travolti da un insolito destino ne... |

| genres | predicted_rating |
|----------------------------------|------------------|
| 0 Drama War | 4.762562 |
| 1 Crime Mystery Romance Thriller | 4.665108 |
| 2 Drama War | 4.656289 |
| 3 Crime Drama | 4.648690 |
| 4 Comedy Drama | 4.602826 |

Tops 5 Recommendations for User 398:

| movieId | title \ |
|----------|--|
| 0 106642 | Day of the Doctor, The (2013) |
| 1 1104 | Streetcar Named Desire, A (1951) |
| 2 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 3 2202 | Lifeboat (1944) |
| 4 1178 | Paths of Glory (1957) |

| genres | predicted_rating |
|--------------------------|------------------|
| 0 Adventure Drama Sci-Fi | 4.895581 |
| 1 Drama | 4.878670 |
| 2 Crime Drama | 4.854868 |
| 3 Drama War | 4.809739 |
| 4 Drama War | 4.793927 |

Tops 5 Recommendations for User 399:

| movieId | title \ |
|---------|---|
| 0 3266 | Man Bites Dog (C'est arrivé près de chez vous)... |
| 1 40491 | Match Factory Girl, The (Tulitikkutehtaan tytt... |
| 2 1217 | Ran (1985) |
| 3 3451 | Guess Who's Coming to Dinner (1967) |
| 4 1104 | Streetcar Named Desire, A (1951) |

| genres | predicted_rating |
|-------------------------------|------------------|
| 0 Comedy Crime Drama Thriller | 4.605153 |
| 1 Comedy Drama | 4.503678 |
| 2 Drama War | 4.489711 |
| 3 Drama | 4.461755 |
| 4 Drama | 4.454518 |

Tops 5 Recommendations for User 400:

| movieId | title \ |
|---------|---|
| 0 2202 | Lifeboat (1944) |
| 1 1104 | Streetcar Named Desire, A (1951) |
| 2 6460 | Trial, The (Procès, Le) (1962) |
| 3 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 4 1178 | Paths of Glory (1957) |

| genres | predicted_rating |
|---|------------------|
| 0 Drama War | 4.904192 |
| 1 Drama | 4.886267 |
| 2 Drama | 4.879829 |
| 3 Action Animation Drama Fantasy Sci-Fi | 4.870620 |
| 4 Drama War | 4.867785 |

Tops 5 Recommendations for User 401:

| movieId | title | genres \ |
|---------|----------------------------------|------------------|
| 0 1104 | Streetcar Named Desire, A (1951) | Drama |
| 1 1178 | Paths of Glory (1957) | Drama War |
| 2 2202 | Lifeboat (1944) | Drama War |
| 3 904 | Rear Window (1954) | Mystery Thriller |

4 318 Shawshank Redemption, The (1994) Crime|Drama

```
predicted_rating
0 4.291161
1 4.252561
2 4.244142
3 4.236493
4 4.234041
```

Tops 5 Recommendations for User 402:

| | movieId | | title | genres \ |
|---|---------|---|-------------------------|----------------|
| 0 | 3200 | | Last Detail, The (1973) | Comedy Drama |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 2 | 8477 | | Jetée, La (1962) | Romance Sci-Fi |
| 3 | 1041 | | Secrets & Lies (1996) | Drama |
| 4 | 1104 | Streetcar Named Desire, A | (1951) | Drama |

```
predicted_rating
0 4.768856
1 4.683169
2 4.652828
3 4.635713
4 4.630240
```

Tops 5 Recommendations for User 403:

| | movieId | | title \ |
|---|---------|---|-----------------------|
| 0 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 1 | 1178 | | Paths of Glory (1957) |
| 2 | 318 | Shawshank Redemption, The | (1994) |
| 3 | 2202 | | Lifeboat (1944) |
| 4 | 3451 | Guess Who's Coming to Dinner | (1967) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Action Animation Drama Fantasy Sci-Fi | 4.557414 |
| 1 | Drama War | 4.525416 |
| 2 | Crime Drama | 4.481111 |
| 3 | Drama War | 4.464468 |
| 4 | Drama | 4.429004 |

Tops 5 Recommendations for User 404:

| | movieId | | title | genres \ |
|---|---------|---|-----------------------|-------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 1 | 3451 | Guess Who's Coming to Dinner | (1967) | Drama |
| 2 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 3 | 1178 | | Paths of Glory (1957) | Drama War |
| 4 | 2202 | | Lifeboat (1944) | Drama War |

```
predicted_rating
0 4.360047
1 4.256289
2 4.245939
3 4.237954
4 4.220105
```

Tops 5 Recommendations for User 405:

| | movieId | | title | genres \ |
|---|---------|---|----------------------|-------------|
| 0 | 1217 | | Ran (1985) | Drama War |
| 1 | 2202 | | Lifeboat (1944) | Drama War |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 3 | 51931 | | Reign Over Me (2007) | Drama |
| 4 | 1104 | Streetcar Named Desire, A | (1951) | Drama |

```
predicted_rating
0 4.620447
1 4.610044
2 4.606144
3 4.600358
4 4.586626
```

Tops 5 Recommendations for User 406:

| | movieId | | title \ |
|---|---------|--|------------|
| 0 | 1217 | | Ran (1985) |

| | | | |
|---|-------|---|----------------------|
| 1 | 89904 | | The Artist (2011) |
| 2 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | |
| 3 | 2239 | Swept Away (Travolti da un insolito destino ne... | |
| 4 | 26810 | | Bad Boy Bubby (1993) |

| | genres | predicted_rating |
|---|----------------------|------------------|
| 0 | Drama War | 4.655623 |
| 1 | Comedy Drama Romance | 4.593245 |
| 2 | Drama War | 4.506311 |
| 3 | Comedy Drama | 4.499732 |
| 4 | Drama | 4.495118 |

Tops 5 Recommendations for User 407:

| | movieId | | title | genres | \ |
|---|---------|--|-------|--------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | | Crime Drama | |
| 1 | 1178 | Paths of Glory (1957) | | Drama War | |
| 2 | 3201 | Five Easy Pieces (1970) | | Drama | |
| 3 | 2202 | Lifeboat (1944) | | Drama War | |
| 4 | 3200 | Last Detail, The (1973) | | Comedy Drama | |

| | predicted_rating |
|---|------------------|
| 0 | 4.669593 |
| 1 | 4.663232 |
| 2 | 4.568508 |
| 3 | 4.552301 |
| 4 | 4.521046 |

Tops 5 Recommendations for User 408:

| | movieId | | title | genres | \ |
|---|---------|---|-------|-------------|---|
| 0 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | | Drama War | |
| 1 | 1217 | Ran (1985) | | Drama War | |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | | Crime Drama | |
| 3 | 6460 | Trial, The (Procès, Le) (1962) | | Drama | |
| 4 | 1178 | Paths of Glory (1957) | | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.948561 |
| 1 | 4.930818 |
| 2 | 4.900659 |
| 3 | 4.889592 |
| 4 | 4.871349 |

Tops 5 Recommendations for User 409:

| | movieId | | title | \ |
|---|---------|---|-------|---|
| 0 | 1104 | Streetcar Named Desire, A (1951) | | |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | | |
| 2 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | | |
| 3 | 2202 | Lifeboat (1944) | | |
| 4 | 1201 | Good, the Bad and the Ugly, The (Buono, il bru... | | |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Drama | 4.845448 |
| 1 | Crime Drama | 4.801420 |
| 2 | Comedy Crime Drama Thriller | 4.680840 |
| 3 | Drama War | 4.678508 |
| 4 | Action Adventure Western | 4.650927 |

Tops 5 Recommendations for User 410:

| | movieId | | title | genres | \ |
|---|---------|---|-------|---------------|---|
| 0 | 3200 | Last Detail, The (1973) | | Comedy Drama | |
| 1 | 1217 | Ran (1985) | | Drama War | |
| 2 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | | Drama Romance | |
| 3 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | | Drama War | |
| 4 | 2202 | Lifeboat (1944) | | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.659149 |
| 1 | 4.652670 |
| 2 | 4.643402 |
| 3 | 4.637476 |
| 4 | 4.623660 |

Tops 5 Recommendations for User 411:

| | movieId | | title | genres | \ |
|---|---------|---|-----------------------|----------------|---|
| 0 | 8477 | | Jetée, La (1962) | Romance Sci-Fi | |
| 1 | 2202 | | Lifeboat (1944) | Drama War | |
| 2 | 1178 | | Paths of Glory (1957) | Drama War | |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 4 | 1041 | | Secrets & Lies (1996) | Drama | |

| | predicted_rating |
|---|------------------|
| 0 | 4.273309 |
| 1 | 4.269494 |
| 2 | 4.268721 |
| 3 | 4.233665 |
| 4 | 4.224562 |

Tops 5 Recommendations for User 412:

| | movieId | | title | genres | \ |
|---|---------|---|-------------------------------------|---------------|---|
| 0 | 1178 | | Paths of Glory (1957) | Drama War | |
| 1 | 3451 | | Guess Who's Coming to Dinner (1967) | Drama | |
| 2 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) | (1... | Drama Romance | |
| 3 | 1104 | | Streetcar Named Desire, A (1951) | Drama | |
| 4 | 89759 | Separation, A (Jodaeiye Nader az Simin) | (2011) | Drama | |

| | predicted_rating |
|---|------------------|
| 0 | 4.675052 |
| 1 | 4.585903 |
| 2 | 4.575114 |
| 3 | 4.560335 |
| 4 | 4.536733 |

Tops 5 Recommendations for User 413:

| | movieId | | title | \ |
|---|---------|---|----------------------------------|---|
| 0 | 1217 | | Ran (1985) | |
| 1 | 2360 | | Celebration, The (Festen) (1998) | |
| 2 | 8477 | | Jetée, La (1962) | |
| 3 | 54190 | | Across the Universe (2007) | |
| 4 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | |

| | genres | predicted_rating |
|---|-------------------------------|------------------|
| 0 | Drama War | 5 |
| 1 | Drama | 5 |
| 2 | Romance Sci-Fi | 5 |
| 3 | Drama Fantasy Musical Romance | 5 |
| 4 | Crime Drama | 5 |

Tops 5 Recommendations for User 414:

| | movieId | | title | \ |
|---|---------|---|-------------------------------------|---|
| 0 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | | |
| 1 | 2360 | | Celebration, The (Festen) (1998) | |
| 2 | 246 | | Hoop Dreams (1994) | |
| 3 | 3451 | | Guess Who's Coming to Dinner (1967) | |
| 4 | 6460 | | Trial, The (Procès, Le) (1962) | |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Action Animation Drama Fantasy Sci-Fi | 4.473967 |
| 1 | Drama | 4.339898 |
| 2 | Documentary | 4.299464 |
| 3 | Drama | 4.287420 |
| 4 | Drama | 4.282876 |

Tops 5 Recommendations for User 415:

| | movieId | | title | \ |
|---|---------|---|----------------------------------|---|
| 0 | 1178 | | Paths of Glory (1957) | |
| 1 | 1104 | | Streetcar Named Desire, A (1951) | |
| 2 | 2202 | | Lifeboat (1944) | |
| 3 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | | |
| 4 | 6460 | | Trial, The (Procès, Le) (1962) | |

| | genres | predicted_rating |
|---|-----------|------------------|
| 0 | Drama War | 4.718772 |
| 1 | Drama | 4.711870 |
| 2 | Drama War | 4.710068 |

| | | |
|---|---------------------------------------|----------|
| 3 | Action Animation Drama Fantasy Sci-Fi | 4.679861 |
| 4 | Drama | 4.662926 |

Tops 5 Recommendations for User 416:

| | movieId | | title \ |
|---|---------|---|-----------------------|
| 0 | 2202 | | Lifeboat (1944) |
| 1 | 1411 | | Hamlet (1996) |
| 2 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 3 | 1208 | | Apocalypse Now (1979) |
| 4 | 1217 | | Ran (1985) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.156548 |
| 1 | Crime Drama Romance | 4.039288 |
| 2 | Action Animation Drama Fantasy Sci-Fi | 4.016869 |
| 3 | Action Drama War | 3.923754 |
| 4 | Drama War | 3.900670 |

Tops 5 Recommendations for User 417:

| | movieId | | title \ |
|---|---------|---|-----------------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 1 | 2202 | | Lifeboat (1944) |
| 2 | 1178 | | Paths of Glory (1957) |
| 3 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 4 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Crime Drama | 4.973499 |
| 1 | Drama War | 4.956465 |
| 2 | Drama War | 4.937811 |
| 3 | Action Animation Drama Fantasy Sci-Fi | 4.905442 |
| 4 | Comedy Crime Drama Thriller | 4.896744 |

Tops 5 Recommendations for User 418:

| | movieId | | title \ |
|---|---------|---|--------------------------------|
| 0 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 1 | 1272 | | Patton (1970) |
| 2 | 1221 | | Godfather: Part II, The (1974) |
| 3 | 750 | Dr. Strangelove or: How I Learned to Stop Worr... | |
| 4 | 69524 | Raiders of the Lost Ark: The Adaptation | (1989) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Action Animation Drama Fantasy Sci-Fi | 4.506311 |
| 1 | Drama War | 4.475289 |
| 2 | Crime Drama | 4.407494 |
| 3 | Comedy War | 4.397243 |
| 4 | Action Adventure Thriller | 4.390488 |

Tops 5 Recommendations for User 419:

| | movieId | | title | genres \ |
|---|---------|---|--------------------|---------------|
| 0 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) | (1... | Drama Romance |
| 1 | 246 | | Hoop Dreams (1994) | Documentary |
| 2 | 8132 | | Gladiator (1992) | Action Drama |
| 3 | 1272 | | Patton (1970) | Drama War |
| 4 | 1283 | | High Noon (1952) | Drama Western |

| | predicted_rating |
|---|------------------|
| 0 | 4.806470 |
| 1 | 4.696119 |
| 2 | 4.636853 |
| 3 | 4.594071 |
| 4 | 4.586012 |

Tops 5 Recommendations for User 420:

| | movieId | | title \ |
|---|---------|---|----------------------------------|
| 0 | 2202 | | Lifeboat (1944) |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 2 | 1104 | | Streetcar Named Desire, A (1951) |
| 3 | 1178 | | Paths of Glory (1957) |
| 4 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |

| | genres | predicted_rating |
|--|--------|------------------|
|--|--------|------------------|

| | | | |
|---|---------------------------------------|-------------|----------|
| 0 | | Drama War | 4.479107 |
| 1 | | Crime Drama | 4.478182 |
| 2 | | Drama | 4.470770 |
| 3 | | Drama War | 4.465495 |
| 4 | Action Animation Drama Fantasy Sci-Fi | | 4.438989 |

Tops 5 Recommendations for User 421:

| | movieId | title | genres | \ |
|---|---------|-------------------------|--------------------------|---|
| 0 | 3435 | Double Indemnity (1944) | Crime Drama Film-Noir | |
| 1 | 1041 | Secrets & Lies (1996) | Drama | |
| 2 | 2202 | Lifeboat (1944) | Drama War | |
| 3 | 1248 | Touch of Evil (1958) | Crime Film-Noir Thriller | |
| 4 | 3200 | Last Detail, The (1973) | Comedy Drama | |

| | predicted_rating |
|---|------------------|
| 0 | 4.693237 |
| 1 | 4.665943 |
| 2 | 4.647130 |
| 3 | 4.633008 |
| 4 | 4.629545 |

Tops 5 Recommendations for User 422:

| | movieId | title | \ |
|---|---------|---|---|
| 0 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | |
| 2 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | |
| 3 | 1217 | Ran (1985) | |
| 4 | 2202 | Lifeboat (1944) | |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Action Animation Drama Fantasy Sci-Fi | 4.415986 |
| 1 | Crime Drama | 4.336502 |
| 2 | Drama Romance | 4.334218 |
| 3 | Drama War | 4.288805 |
| 4 | Drama War | 4.260536 |

Tops 5 Recommendations for User 423:

| | movieId | title | genres | \ |
|---|---------|---|---------------|---|
| 0 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | Drama Romance | |
| 1 | 1178 | Paths of Glory (1957) | Drama War | |
| 2 | 912 | Casablanca (1942) | Drama Romance | |
| 3 | 1104 | Streetcar Named Desire, A (1951) | Drama | |
| 4 | 1237 | Seventh Seal, The (Sjunde inseglet, Det) (1957) | Drama | |

| | predicted_rating |
|---|------------------|
| 0 | 4.530515 |
| 1 | 4.512610 |
| 2 | 4.486568 |
| 3 | 4.481769 |
| 4 | 4.477935 |

Tops 5 Recommendations for User 424:

| | movieId | title | genres | predicted_rating |
|---|---------|----------------------------------|--------------|------------------|
| 0 | 26810 | Bad Boy Bubby (1993) | Drama | 4.506674 |
| 1 | 3200 | Last Detail, The (1973) | Comedy Drama | 4.501580 |
| 2 | 1217 | Ran (1985) | Drama War | 4.472893 |
| 3 | 6460 | Trial, The (Procès, Le) (1962) | Drama | 4.454622 |
| 4 | 1104 | Streetcar Named Desire, A (1951) | Drama | 4.443289 |

Tops 5 Recommendations for User 425:

| | movieId | title | genres | \ |
|---|---------|---|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A (1951) | Drama | |
| 2 | 3451 | Guess Who's Coming to Dinner (1967) | Drama | |
| 3 | 6460 | Trial, The (Procès, Le) (1962) | Drama | |
| 4 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.332391 |
| 1 | 4.330556 |
| 2 | 4.302381 |
| 3 | 4.291415 |

Tops 5 Recommendations for User 426:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 3451 | Guess Who's Coming to Dinner | (1967) |
| 1 | 1262 | Great Escape, The | (1963) |
| 2 | 1283 | High Noon | (1952) |
| 3 | 1104 | Streetcar Named Desire, A | (1951) |
| 4 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |

| | genres | predicted_rating |
|---|----------------------------|------------------|
| 0 | Drama | 4.460111 |
| 1 | Action Adventure Drama War | 4.442857 |
| 2 | Drama Western | 4.392563 |
| 3 | Drama | 4.358093 |
| 4 | Crime Drama | 4.345763 |

Tops 5 Recommendations for User 427:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | |
| 1 | 1178 | Paths of Glory | (1957) |
| 2 | 1104 | Streetcar Named Desire, A | (1951) |
| 3 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 4 | 2202 | Lifeboat | (1944) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.247049 |
| 1 | Drama War | 4.232808 |
| 2 | Drama | 4.192613 |
| 3 | Action Animation Drama Fantasy Sci-Fi | 4.189783 |
| 4 | Drama War | 4.154038 |

Tops 5 Recommendations for User 428:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 89904 | The Artist | (2011) |
| 1 | 4021 | Before Night Falls | (2000) |
| 2 | 750 | Dr. Strangelove or: How I Learned to Stop Worr... | |
| 3 | 858 | Godfather, The | (1972) |
| 4 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |

| | genres | predicted_rating |
|---|----------------------|------------------|
| 0 | Comedy Drama Romance | 3.909461 |
| 1 | Drama | 3.866928 |
| 2 | Comedy War | 3.859969 |
| 3 | Crime Drama | 3.850749 |
| 4 | Crime Drama | 3.850120 |

Tops 5 Recommendations for User 429:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 6460 | Trial, The (Procès, Le) | (1962) |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 2 | 2202 | Lifeboat | (1944) |
| 3 | 3451 | Guess Who's Coming to Dinner | (1967) |
| 4 | 1104 | Streetcar Named Desire, A | (1951) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama | 4.997710 |
| 1 | Action Animation Drama Fantasy Sci-Fi | 4.966825 |
| 2 | Drama War | 4.951795 |
| 3 | Drama | 4.918610 |
| 4 | Drama | 4.902721 |

Tops 5 Recommendations for User 430:

| | movieId | | title \ |
|---|---------|--------------------------------------|---------|
| 0 | 2202 | Lifeboat | (1944) |
| 1 | 3200 | Last Detail, The | (1973) |
| 2 | 1104 | Streetcar Named Desire, A | (1951) |
| 3 | 2019 | Seven Samurai (Shichinin no samurai) | (1954) |
| 4 | 1041 | Secrets & Lies | (1996) |

| | genres | predicted_rating |
|---|-----------|------------------|
| 0 | Drama War | 4.726509 |

| | | |
|---|------------------------|----------|
| 1 | Comedy Drama | 4.714010 |
| 2 | Drama | 4.667007 |
| 3 | Action Adventure Drama | 4.658473 |
| 4 | Drama | 4.648414 |

Tops 5 Recommendations for User 431:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 1 | 6460 | Trial, The (Procès, Le) | (1962) |
| 2 | 1223 | Grand Day Out with Wallace and Gromit, A | (1989) |
| 3 | 1217 | Ran | (1985) |
| 4 | 527 | Schindler's List | (1993) |

| | genres | predicted_rating |
|---|--|------------------|
| 0 | Crime Drama | 3.978330 |
| 1 | Drama | 3.951903 |
| 2 | Adventure Animation Children Comedy Sci-Fi | 3.936575 |
| 3 | Drama War | 3.925802 |
| 4 | Drama War | 3.923574 |

Tops 5 Recommendations for User 432:

| | movieId | | title | genres \ |
|---|---------|---|--------|--------------|
| 0 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 1 | 3200 | Last Detail, The | (1973) | Comedy Drama |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 3 | 3451 | Guess Who's Coming to Dinner | (1967) | Drama |
| 4 | 2202 | Lifeboat | (1944) | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 4.525676 |
| 1 | 4.499550 |
| 2 | 4.486984 |
| 3 | 4.465529 |
| 4 | 4.448529 |

Tops 5 Recommendations for User 433:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 5690 | Grave of the Fireflies (Hotaru no haka) | (1988) |
| 1 | 3451 | Guess Who's Coming to Dinner | (1967) |
| 2 | 933 | To Catch a Thief | (1955) |
| 3 | 720 | Wallace & Gromit: The Best of Aardman Animatio... | |
| 4 | 2360 | Celebration, The (Festen) | (1998) |

| | genres | predicted_rating |
|---|--------------------------------|------------------|
| 0 | Animation Drama War | 4.551907 |
| 1 | Drama | 4.503568 |
| 2 | Crime Mystery Romance Thriller | 4.452924 |
| 3 | Adventure Animation Comedy | 4.450382 |
| 4 | Drama | 4.446604 |

Tops 5 Recommendations for User 434:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 1 | 1178 | Paths of Glory | (1957) |
| 2 | 1221 | Godfather: Part II, The | (1974) |
| 3 | 2202 | Lifeboat | (1944) |
| 4 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Action Animation Drama Fantasy Sci-Fi | 4.683222 |
| 1 | Drama War | 4.649710 |
| 2 | Crime Drama | 4.617303 |
| 3 | Drama War | 4.577996 |
| 4 | Crime Drama | 4.565430 |

Tops 5 Recommendations for User 435:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 2 | 1041 | Secrets & Lies | (1996) |
| 3 | 1178 | Paths of Glory | (1957) |
| 4 | 116897 | Wild Tales | (2014) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Crime Drama | 4.955919 |
| 1 | Action Animation Drama Fantasy Sci-Fi | 4.941964 |
| 2 | Drama | 4.941501 |
| 3 | Drama War | 4.924808 |
| 4 | Comedy Drama Thriller | 4.916269 |

Tops 5 Recommendations for User 436:

| | movieId | title | genres \ |
|---|---------|--|-------------|
| 0 | 2202 | Lifeboat (1944) | Drama War |
| 1 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 3 | 1178 | Paths of Glory (1957) | Drama War |
| 4 | 3451 | Guess Who's Coming to Dinner (1967) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.305348 |
| 1 | 4.278630 |
| 2 | 4.213527 |
| 3 | 4.204857 |
| 4 | 4.197032 |

Tops 5 Recommendations for User 437:

| | movieId | title \ |
|---|---------|---|
| 0 | 858 | Godfather, The (1972) |
| 1 | 1217 | Ran (1985) |
| 2 | 1136 | Monty Python and the Holy Grail (1975) |
| 3 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 4 | 4642 | Hedwig and the Angry Inch (2000) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Crime Drama | 4.649356 |
| 1 | Drama War | 4.612244 |
| 2 | Adventure Comedy Fantasy | 4.603825 |
| 3 | Action Animation Drama Fantasy Sci-Fi | 4.567383 |
| 4 | Comedy Drama Musical | 4.561640 |

Tops 5 Recommendations for User 438:

| | movieId | title \ |
|---|---------|---|
| 0 | 3451 | Guess Who's Coming to Dinner (1967) |
| 1 | 1217 | Ran (1985) |
| 2 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... |
| 3 | 3200 | Last Detail, The (1973) |
| 4 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Drama | 4.450626 |
| 1 | Drama War | 4.411379 |
| 2 | Drama War | 4.390723 |
| 3 | Comedy Drama | 4.370483 |
| 4 | Comedy Crime Drama Thriller | 4.367220 |

Tops 5 Recommendations for User 439:

| | movieId | title | genres \ |
|---|---------|--|----------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 1 | 8477 | Jetée, La (1962) | Romance Sci-Fi |
| 2 | 2202 | Lifeboat (1944) | Drama War |
| 3 | 1178 | Paths of Glory (1957) | Drama War |
| 4 | 3200 | Last Detail, The (1973) | Comedy Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.669585 |
| 1 | 4.654597 |
| 2 | 4.653131 |
| 3 | 4.646336 |
| 4 | 4.627793 |

Tops 5 Recommendations for User 440:

| | movieId | title \ |
|---|---------|---|
| 0 | 1104 | Streetcar Named Desire, A (1951) |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |

| | | |
|---|--------|--|
| 2 | 2202 | Lifeboat (1944) |
| 3 | 1041 | Secrets & Lies (1996) |
| 4 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama | 4.682095 |
| 1 | Action Animation Drama Fantasy Sci-Fi | 4.663383 |
| 2 | Drama War | 4.662520 |
| 3 | Drama | 4.644089 |
| 4 | Crime Drama | 4.630242 |

Tops 5 Recommendations for User 441:

| | movieId | title | genres \ |
|---|---------|----------------------------------|--------------------------------|
| 0 | 246 | Hoop Dreams (1994) | Documentary |
| 1 | 933 | To Catch a Thief (1955) | Crime Mystery Romance Thriller |
| 2 | 1041 | Secrets & Lies (1996) | Drama |
| 3 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 4 | 1178 | Paths of Glory (1957) | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 5 |
| 1 | 5 |
| 2 | 5 |
| 3 | 5 |
| 4 | 5 |

Tops 5 Recommendations for User 442:

| | movieId | title | genres \ |
|---|---------|---|----------|
| 0 | 3451 | Guess Who's Coming to Dinner (1967) | Drama |
| 1 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 2 | 1237 | Seventh Seal, The (Sjunde inseglet, Det) (1957) | Drama |
| 3 | 26810 | Bad Boy Bubby (1993) | Drama |
| 4 | 142488 | Spotlight (2015) | Thriller |

| | predicted_rating |
|---|------------------|
| 0 | 2.662763 |
| 1 | 2.641639 |
| 2 | 2.633406 |
| 3 | 2.593561 |
| 4 | 2.592210 |

Tops 5 Recommendations for User 443:

| | movieId | title | genres \ |
|---|---------|---|---------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 1 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 2 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | Drama Romance |
| 3 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | Drama War |
| 4 | 1217 | Ran (1985) | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 4.843617 |
| 1 | 4.835262 |
| 2 | 4.821555 |
| 3 | 4.813008 |
| 4 | 4.787538 |

Tops 5 Recommendations for User 444:

| | movieId | title | genres \ |
|---|---------|--|-------------|
| 0 | 2202 | Lifeboat (1944) | Drama War |
| 1 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 2 | 6791 | Babette's Feast (Babettes gæstebud) (1987) | Drama |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 4 | 6460 | Trial, The (Procès, Le) (1962) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.734397 |
| 1 | 4.599309 |
| 2 | 4.579642 |
| 3 | 4.579301 |
| 4 | 4.573744 |

Tops 5 Recommendations for User 445:

| | movieId | | title \ |
|---|---------|---|----------------------------------|
| 0 | 2202 | | Lifeboat (1944) |
| 1 | 1178 | | Paths of Glory (1957) |
| 2 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | |
| 3 | 1104 | | Streetcar Named Desire, A (1951) |
| 4 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |

| | | genres | predicted_rating |
|---|---------------------------------------|-----------------------------|------------------|
| 0 | | Drama War | 4.434228 |
| 1 | | Drama War | 4.323426 |
| 2 | | Comedy Crime Drama Thriller | 4.294973 |
| 3 | | Drama | 4.228512 |
| 4 | Action Animation Drama Fantasy Sci-Fi | | 4.200386 |

Tops 5 Recommendations for User 446:

| | movieId | | title \ |
|---|---------|---|----------------------------------|
| 0 | 2202 | | Lifeboat (1944) |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 2 | 6460 | | Trial, The (Procès, Le) (1962) |
| 3 | 858 | | Godfather, The (1972) |
| 4 | 318 | | Shawshank Redemption, The (1994) |

| | | genres | predicted_rating |
|---|---------------------------------------|-------------|------------------|
| 0 | | Drama War | 4.270017 |
| 1 | Action Animation Drama Fantasy Sci-Fi | | 4.200931 |
| 2 | | Drama | 4.152646 |
| 3 | | Crime Drama | 4.141254 |
| 4 | | Crime Drama | 4.139356 |

Tops 5 Recommendations for User 447:

| | movieId | | title \ |
|---|---------|---|----------------------------------|
| 0 | 2202 | | Lifeboat (1944) |
| 1 | 106642 | | Day of the Doctor, The (2013) |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 3 | 1104 | | Streetcar Named Desire, A (1951) |
| 4 | 6460 | | Trial, The (Procès, Le) (1962) |

| | | genres | predicted_rating |
|---|------------------------|-------------|------------------|
| 0 | | Drama War | 4.888266 |
| 1 | Adventure Drama Sci-Fi | | 4.880526 |
| 2 | | Crime Drama | 4.842571 |
| 3 | | Drama | 4.790938 |
| 4 | | Drama | 4.775603 |

Tops 5 Recommendations for User 448:

| | movieId | | title | genres \ |
|---|---------|---|----------------------------------|-------------|
| 0 | 1178 | | Paths of Glory (1957) | Drama War |
| 1 | 2202 | | Lifeboat (1944) | Drama War |
| 2 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | | Drama War |
| 3 | 1104 | | Streetcar Named Desire, A (1951) | Drama |
| 4 | 3019 | | Drugstore Cowboy (1989) | Crime Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.012849 |
| 1 | 3.966707 |
| 2 | 3.961873 |
| 3 | 3.953129 |
| 4 | 3.950220 |

Tops 5 Recommendations for User 449:

| | movieId | | title \ |
|---|---------|--|-----------------------|
| 0 | 904 | | Rear Window (1954) |
| 1 | 1248 | | Touch of Evil (1958) |
| 2 | 2202 | | Lifeboat (1944) |
| 3 | 1237 | Seventh Seal, The (Sjunde inseglet, Det) | (1957) |
| 4 | 1041 | | Secrets & Lies (1996) |

| | | genres | predicted_rating |
|---|--------------------------|------------------|------------------|
| 0 | | Mystery Thriller | 4.066784 |
| 1 | Crime Film-Noir Thriller | | 4.060297 |
| 2 | | Drama War | 4.048899 |
| 3 | | Drama | 4.042075 |

Tops 5 Recommendations for User 450:

| | movieId | | title \ |
|---|---------|---|-----------------------|
| 0 | 1178 | | Paths of Glory (1957) |
| 1 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | |
| 3 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 4 | 51931 | Reign Over Me (2007) | |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.912951 |
| 1 | Drama Romance | 4.882778 |
| 2 | Crime Drama | 4.881609 |
| 3 | Action Animation Drama Fantasy Sci-Fi | 4.851831 |
| 4 | Drama | 4.787928 |

Tops 5 Recommendations for User 451:

| | movieId | | title \ |
|---|---------|---|-----------------|
| 0 | 2202 | | Lifeboat (1944) |
| 1 | 1104 | Streetcar Named Desire, A (1951) | |
| 2 | 1178 | Paths of Glory (1957) | |
| 3 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 4 | 1237 | Seventh Seal, The (Sjunde inseglet, Det) (1957) | |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.851124 |
| 1 | Drama | 4.788706 |
| 2 | Drama War | 4.778179 |
| 3 | Action Animation Drama Fantasy Sci-Fi | 4.724433 |
| 4 | Drama | 4.707694 |

Tops 5 Recommendations for User 452:

| | movieId | | title | genres \ |
|---|---------|--|--------------------|------------------|
| 0 | 162 | | Crumb (1994) | Documentary |
| 1 | 246 | | Hoop Dreams (1994) | Documentary |
| 2 | 318 | Shawshank Redemption, The (1994) | | Crime Drama |
| 3 | 741 | Ghost in the Shell (Kôkaku kidôtai) (1995) | | Animation Sci-Fi |
| 4 | 904 | Rear Window (1954) | | Mystery Thriller |

| | predicted_rating |
|---|------------------|
| 0 | 5 |
| 1 | 5 |
| 2 | 5 |
| 3 | 5 |
| 4 | 5 |

Tops 5 Recommendations for User 453:

| | movieId | | title | genres | predicted_rating |
|---|---------|----------------------------------|-----------------------|-----------|------------------|
| 0 | 2202 | | Lifeboat (1944) | Drama War | 4.988282 |
| 1 | 1178 | | Paths of Glory (1957) | Drama War | 4.928552 |
| 2 | 1217 | | Ran (1985) | Drama War | 4.870446 |
| 3 | 1104 | Streetcar Named Desire, A (1951) | | Drama | 4.847330 |
| 4 | 5500 | Top Secret! (1984) | | Comedy | 4.778240 |

Tops 5 Recommendations for User 454:

| | movieId | | title | genres \ |
|---|---------|--|----------------------|-------------|
| 0 | 2202 | | Lifeboat (1944) | Drama War |
| 1 | 51931 | | Reign Over Me (2007) | Drama |
| 2 | 3451 | Guess Who's Coming to Dinner (1967) | | Drama |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | | Crime Drama |
| 4 | 1041 | Secrets & Lies (1996) | | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.389217 |
| 1 | 4.387021 |
| 2 | 4.383767 |
| 3 | 4.374697 |
| 4 | 4.370894 |

Tops 5 Recommendations for User 455:

| | movieId | | title | genres \ |
|--|---------|--|-------|----------|
|--|---------|--|-------|----------|

| | | | |
|---|--------|--|----------------|
| 0 | 1178 | Paths of Glory (1957) | Drama War |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 2 | 1041 | Secrets & Lies (1996) | Drama |
| 3 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 4 | 8477 | Jetée, La (1962) | Romance Sci-Fi |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.389601 |
| 1 | 4.358757 |
| 2 | 4.309946 |
| 3 | 4.304512 |
| 4 | 4.295855 |

Tops 5 Recommendations for User 456:

| | | |
|---|---------|---|
| | movieId | title \ |
| 0 | 1104 | Streetcar Named Desire, A (1951) |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 2 | 1041 | Secrets & Lies (1996) |
| 3 | 1217 | Ran (1985) |
| 4 | 1178 | Paths of Glory (1957) |

| | | |
|---|---------------------------------------|------------------|
| | genres | predicted_rating |
| 0 | Drama | 4.997746 |
| 1 | Action Animation Drama Fantasy Sci-Fi | 4.939769 |
| 2 | Drama | 4.899626 |
| 3 | Drama War | 4.874477 |
| 4 | Drama War | 4.848504 |

Tops 5 Recommendations for User 457:

| | | |
|---|---------|---|
| | movieId | title \ |
| 0 | 1178 | Paths of Glory (1957) |
| 1 | 2202 | Lifeboat (1944) |
| 2 | 750 | Dr. Strangelove or: How I Learned to Stop Worr... |
| 3 | 541 | Blade Runner (1982) |
| 4 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |

| | | |
|---|---------------------------------------|------------------|
| | genres | predicted_rating |
| 0 | Drama War | 4.505856 |
| 1 | Drama War | 4.503868 |
| 2 | Comedy War | 4.496627 |
| 3 | Action Sci-Fi Thriller | 4.453503 |
| 4 | Action Animation Drama Fantasy Sci-Fi | 4.445978 |

Tops 5 Recommendations for User 458:

| | | | |
|---|---------|---|---------------|
| | movieId | title | genres \ |
| 0 | 3451 | Guess Who's Coming to Dinner (1967) | Drama |
| 1 | 8132 | Gladiator (1992) | Action Drama |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 3 | 2131 | Autumn Sonata (Höstsonaten) (1978) | Drama |
| 4 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | Drama Romance |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.871705 |
| 1 | 4.832805 |
| 2 | 4.813775 |
| 3 | 4.804243 |
| 4 | 4.792130 |

Tops 5 Recommendations for User 459:

| | | | |
|---|---------|---|--------------|
| | movieId | title | genres \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 1 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 2 | 6460 | Trial, The (Procès, Le) (1962) | Drama |
| 3 | 2239 | Swept Away (Travolti da un insolito destino ne... | Comedy Drama |
| 4 | 2202 | Lifeboat (1944) | Drama War |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.849349 |
| 1 | 4.836933 |
| 2 | 4.784845 |
| 3 | 4.784702 |
| 4 | 4.780336 |

Tops 5 Recommendations for User 460:

| | movieId | | title | genres | \ |
|---|---------|---|-----------------------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1217 | | Ran (1985) | Drama War | |
| 2 | 1041 | | Secrets & Lies (1996) | Drama | |
| 3 | 1178 | | Paths of Glory (1957) | Drama War | |
| 4 | 6460 | Trial, The (Procès, Le) | (1962) | Drama | |

| | predicted_rating |
|---|------------------|
| 0 | 4.782206 |
| 1 | 4.733131 |
| 2 | 4.721611 |
| 3 | 4.713924 |
| 4 | 4.694803 |

Tops 5 Recommendations for User 461:

| | movieId | | title | \ |
|---|---------|---|-------------------------|---|
| 0 | 142422 | | The Night Before (2015) | |
| 1 | 6460 | Trial, The (Procès, Le) | (1962) | |
| 2 | 720 | Wallace & Gromit: The Best of Aardman Animatio... | | |
| 3 | 1223 | Grand Day Out with Wallace and Gromit, A | (1989) | |
| 4 | 3498 | | Midnight Express (1978) | |

| | genres | predicted_rating |
|---|--|------------------|
| 0 | Comedy | 3.889114 |
| 1 | Drama | 3.855786 |
| 2 | Adventure Animation Comedy | 3.767872 |
| 3 | Adventure Animation Children Comedy Sci-Fi | 3.767230 |
| 4 | Drama | 3.763010 |

Tops 5 Recommendations for User 462:

| | movieId | | title | \ |
|---|---------|---|--------------------------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | |
| 1 | 106642 | | Day of the Doctor, The (2013) | |
| 2 | 246 | | Hoop Dreams (1994) | |
| 3 | 898 | | Philadelphia Story, The (1940) | |
| 4 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) | (1... | |

| | genres | predicted_rating |
|---|------------------------|------------------|
| 0 | Crime Drama | 4.304445 |
| 1 | Adventure Drama Sci-Fi | 4.219043 |
| 2 | Documentary | 4.212758 |
| 3 | Comedy Drama Romance | 4.160459 |
| 4 | Drama Romance | 4.153600 |

Tops 5 Recommendations for User 463:

| | movieId | | title | genres | predicted_rating |
|---|---------|------------------------------|-----------------------|-----------|------------------|
| 0 | 3451 | Guess Who's Coming to Dinner | (1967) | Drama | 4.623593 |
| 1 | 2202 | | Lifeboat (1944) | Drama War | 4.544020 |
| 2 | 1178 | | Paths of Glory (1957) | Drama War | 4.543855 |
| 3 | 1104 | Streetcar Named Desire, A | (1951) | Drama | 4.500649 |
| 4 | 142488 | | Spotlight (2015) | Thriller | 4.496687 |

Tops 5 Recommendations for User 464:

| | movieId | | title | genres | \ |
|---|---------|---|-----------------------|-----------|---|
| 0 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | | Drama War | |
| 1 | 1178 | | Paths of Glory (1957) | Drama War | |
| 2 | 2202 | | Lifeboat (1944) | Drama War | |
| 3 | 2300 | | Producers, The (1968) | Comedy | |
| 4 | 142488 | | Spotlight (2015) | Thriller | |

| | predicted_rating |
|---|------------------|
| 0 | 4.778135 |
| 1 | 4.762109 |
| 2 | 4.730124 |
| 3 | 4.639695 |
| 4 | 4.638770 |

Tops 5 Recommendations for User 465:

| | movieId | | title | genres | \ |
|---|---------|--|-----------------------|-----------|---|
| 0 | 1178 | | Paths of Glory (1957) | Drama War | |

| | | | |
|---|--------|--|-------------|
| 1 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 3 | 1217 | Ran (1985) | Drama War |
| 4 | 1041 | Secrets & Lies (1996) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.860626 |
| 1 | 4.858178 |
| 2 | 4.836425 |
| 3 | 4.803945 |
| 4 | 4.800584 |

Tops 5 Recommendations for User 466:

| | movieId | title \ |
|---|---------|--|
| 0 | 1104 | Streetcar Named Desire, A (1951) |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 2 | 3200 | Last Detail, The (1973) |
| 3 | 8477 | Jetée, La (1962) |
| 4 | 930 | Notorious (1946) |

| | genres | predicted_rating |
|---|----------------------------|------------------|
| 0 | Drama | 4.636717 |
| 1 | Crime Drama | 4.626798 |
| 2 | Comedy Drama | 4.621251 |
| 3 | Romance Sci-Fi | 4.620148 |
| 4 | Film-Noir Romance Thriller | 4.580905 |

Tops 5 Recommendations for User 467:

| | movieId | title \ |
|---|---------|---|
| 0 | 246 | Hoop Dreams (1994) |
| 1 | 720 | Wallace & Gromit: The Best of Aardman Animatio... |
| 2 | 1104 | Streetcar Named Desire, A (1951) |
| 3 | 1204 | Lawrence of Arabia (1962) |
| 4 | 6460 | Trial, The (Procès, Le) (1962) |

| | genres | predicted_rating |
|---|----------------------------|------------------|
| 0 | Documentary | 4.494289 |
| 1 | Adventure Animation Comedy | 4.476871 |
| 2 | Drama | 4.467042 |
| 3 | Adventure Drama War | 4.460872 |
| 4 | Drama | 4.436238 |

Tops 5 Recommendations for User 468:

| | movieId | title \ |
|---|---------|--|
| 0 | 2202 | Lifeboat (1944) |
| 1 | 1104 | Streetcar Named Desire, A (1951) |
| 2 | 3200 | Last Detail, The (1973) |
| 3 | 65642 | Timecrimes (Cronocrímenes, Los) (2007) |
| 4 | 930 | Notorious (1946) |

| | genres | predicted_rating |
|---|----------------------------|------------------|
| 0 | Drama War | 4.451839 |
| 1 | Drama | 4.363888 |
| 2 | Comedy Drama | 4.339286 |
| 3 | Sci-Fi Thriller | 4.311191 |
| 4 | Film-Noir Romance Thriller | 4.310008 |

Tops 5 Recommendations for User 469:

| | movieId | title \ |
|---|---------|---|
| 0 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 1 | 4642 | Hedwig and the Angry Inch (2000) |
| 2 | 51931 | Reign Over Me (2007) |
| 3 | 2360 | Celebration, The (Festen) (1998) |
| 4 | 1217 | Ran (1985) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Action Animation Drama Fantasy Sci-Fi | 4.555059 |
| 1 | Comedy Drama Musical | 4.445222 |
| 2 | Drama | 4.423616 |
| 3 | Drama | 4.413377 |
| 4 | Drama War | 4.394256 |

Tops 5 Recommendations for User 470:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | |
| 2 | 720 | Wallace & Gromit: The Best of Aardman Animatio... | |
| 3 | 3451 | Guess Who's Coming to Dinner (1967) | |
| 4 | 930 | Notorious (1946) | |

| | genres | predicted_rating |
|---|----------------------------|------------------|
| 0 | Drama War | 4.372190 |
| 1 | Crime Drama | 4.340095 |
| 2 | Adventure Animation Comedy | 4.304285 |
| 3 | Drama | 4.300364 |
| 4 | Film-Noir Romance Thriller | 4.298572 |

Tops 5 Recommendations for User 471:

| | movieId | | title \ |
|---|---------|--|---------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | |
| 1 | 1178 | Paths of Glory (1957) | |
| 2 | 1104 | Streetcar Named Desire, A (1951) | |
| 3 | 2202 | Lifeboat (1944) | |
| 4 | 1248 | Touch of Evil (1958) | |

| | genres | predicted_rating |
|---|--------------------------|------------------|
| 0 | Crime Drama | 4.391584 |
| 1 | Drama War | 4.379578 |
| 2 | Drama | 4.366154 |
| 3 | Drama War | 4.340057 |
| 4 | Crime Film-Noir Thriller | 4.302460 |

Tops 5 Recommendations for User 472:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 1 | 1104 | Streetcar Named Desire, A (1951) | |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | |
| 3 | 3836 | Kelly's Heroes (1970) | |
| 4 | 1178 | Paths of Glory (1957) | |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Action Animation Drama Fantasy Sci-Fi | 4.943686 |
| 1 | Drama | 4.853155 |
| 2 | Crime Drama | 4.850768 |
| 3 | Action Comedy War | 4.846278 |
| 4 | Drama War | 4.824256 |

Tops 5 Recommendations for User 473:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 1 | 1178 | Paths of Glory (1957) | |
| 2 | 1104 | Streetcar Named Desire, A (1951) | |
| 3 | 1217 | Ran (1985) | |
| 4 | 2202 | Lifeboat (1944) | |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Action Animation Drama Fantasy Sci-Fi | 4.380335 |
| 1 | Drama War | 4.353231 |
| 2 | Drama | 4.337450 |
| 3 | Drama War | 4.322785 |
| 4 | Drama War | 4.307959 |

Tops 5 Recommendations for User 474:

| | movieId | title | genres \ |
|---|---------|---|---------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 1 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | Drama Romance |
| 2 | 2239 | Swept Away (Travolti da un insolito destino ne... | Comedy Drama |
| 3 | 3200 | Last Detail, The (1973) | Comedy Drama |
| 4 | 2360 | Celebration, The (Festen) (1998) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.192054 |
| 1 | 4.166331 |
| 2 | 4.121974 |

3 4.119070
4 4.118188

Tops 5 Recommendations for User 475:

| | movieId | | title | genres \ |
|---|---------|---------------------------|-----------------------|----------------------------|
| 0 | 246 | | Hoop Dreams (1994) | Documentary |
| 1 | 930 | | Notorious (1946) | Film-Noir Romance Thriller |
| 2 | 1041 | | Secrets & Lies (1996) | Drama |
| 3 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 4 | 1178 | | Paths of Glory (1957) | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 5 |
| 1 | 5 |
| 2 | 5 |
| 3 | 5 |
| 4 | 5 |

Tops 5 Recommendations for User 476:

| | movieId | | title | genres \ |
|---|---------|---|----------------------------------|-------------|
| 0 | 1104 | | Streetcar Named Desire, A (1951) | Drama |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 2 | 2202 | | Lifeboat (1944) | Drama War |
| 3 | 1178 | | Paths of Glory (1957) | Drama War |
| 4 | 6460 | | Trial, The (Procès, Le) (1962) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.571135 |
| 1 | 4.518030 |
| 2 | 4.504782 |
| 3 | 4.462175 |
| 4 | 4.460883 |

Tops 5 Recommendations for User 477:

| | movieId | | title | genres \ |
|---|---------|---|-------------------------------------|-------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 1 | 1178 | | Paths of Glory (1957) | Drama War |
| 2 | 3451 | | Guess Who's Coming to Dinner (1967) | Drama |
| 3 | 1217 | | Ran (1985) | Drama War |
| 4 | 858 | | Godfather, The (1972) | Crime Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.659263 |
| 1 | 4.658092 |
| 2 | 4.635130 |
| 3 | 4.623452 |
| 4 | 4.622061 |

Tops 5 Recommendations for User 478:

| | movieId | | title \ |
|---|---------|---|-------------------------------------|
| 0 | 1248 | | Touch of Evil (1958) |
| 1 | 6104 | Monty Python Live at the Hollywood Bowl | (1982) |
| 2 | 142488 | | Spotlight (2015) |
| 3 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 4 | 3451 | | Guess Who's Coming to Dinner (1967) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Crime Film-Noir Thriller | 4.041614 |
| 1 | Comedy | 3.991774 |
| 2 | Thriller | 3.978106 |
| 3 | Action Animation Drama Fantasy Sci-Fi | 3.963201 |
| 4 | Drama | 3.957459 |

Tops 5 Recommendations for User 479:

| | movieId | | title \ |
|---|---------|---|----------------------------------|
| 0 | 720 | Wallace & Gromit: The Best of Aardman Animatio... | |
| 1 | 1104 | | Streetcar Named Desire, A (1951) |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 3 | 898 | | Philadelphia Story, The (1940) |
| 4 | 6460 | | Trial, The (Procès, Le) (1962) |

| genres | predicted_rating |
|--------|------------------|
|--------|------------------|

| | | |
|---|----------------------------|----------|
| 0 | Adventure Animation Comedy | 4.484529 |
| 1 | Drama | 4.420732 |
| 2 | Crime Drama | 4.391801 |
| 3 | Comedy Drama Romance | 4.383106 |
| 4 | Drama | 4.357026 |

Tops 5 Recommendations for User 480:

| | movieId | | title | \ |
|---|---------|--|---|---|
| 0 | 1178 | | Paths of Glory (1957) | |
| 1 | 27156 | | Neon Genesis Evangelion: The End of Evangelion... | |
| 2 | 750 | | Dr. Strangelove or: How I Learned to Stop Worr... | |
| 3 | 1217 | | Ran (1985) | |
| 4 | 2202 | | Lifeboat (1944) | |

| | | genres | predicted_rating |
|---|---------------------------------------|------------|------------------|
| 0 | | Drama War | 4.306010 |
| 1 | Action Animation Drama Fantasy Sci-Fi | | 4.252706 |
| 2 | | Comedy War | 4.225909 |
| 3 | | Drama War | 4.187688 |
| 4 | | Drama War | 4.175365 |

Tops 5 Recommendations for User 481:

| | movieId | | title | genres | \ |
|---|---------|--|---|----------------|---|
| 0 | 1041 | | Secrets & Lies (1996) | Drama | |
| 1 | 3451 | | Guess Who's Coming to Dinner (1967) | Drama | |
| 2 | 43376 | | Sophie Scholl: The Final Days (Sophie Scholl -... | Drama War | |
| 3 | 8477 | | Jetée, La (1962) | Romance Sci-Fi | |
| 4 | 905 | | It Happened One Night (1934) | Comedy Romance | |

| | predicted_rating |
|---|------------------|
| 0 | 3.963816 |
| 1 | 3.929425 |
| 2 | 3.907332 |
| 3 | 3.906835 |
| 4 | 3.899967 |

Tops 5 Recommendations for User 482:

| | movieId | | title | genres | \ |
|---|---------|--|--|----------------|---|
| 0 | 177593 | | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama | |
| 1 | 3200 | | Last Detail, The (1973) | Comedy Drama | |
| 2 | 1178 | | Paths of Glory (1957) | Drama War | |
| 3 | 8132 | | Gladiator (1992) | Action Drama | |
| 4 | 8477 | | Jetée, La (1962) | Romance Sci-Fi | |

| | predicted_rating |
|---|------------------|
| 0 | 4.679831 |
| 1 | 4.519293 |
| 2 | 4.504718 |
| 3 | 4.472304 |
| 4 | 4.464979 |

Tops 5 Recommendations for User 483:

| | movieId | | title | \ |
|---|---------|--|---|---|
| 0 | 177593 | | Three Billboards Outside Ebbing, Missouri (2017) | |
| 1 | 1217 | | Ran (1985) | |
| 2 | 1104 | | Streetcar Named Desire, A (1951) | |
| 3 | 1178 | | Paths of Glory (1957) | |
| 4 | 27156 | | Neon Genesis Evangelion: The End of Evangelion... | |

| | | genres | predicted_rating |
|---|---------------------------------------|-------------|------------------|
| 0 | | Crime Drama | 4.575978 |
| 1 | | Drama War | 4.541381 |
| 2 | | Drama | 4.530163 |
| 3 | | Drama War | 4.511805 |
| 4 | Action Animation Drama Fantasy Sci-Fi | | 4.505122 |

Tops 5 Recommendations for User 484:

| | movieId | | title | genres | \ |
|---|---------|--|-------------------------------------|-------------------|---|
| 0 | 3451 | | Guess Who's Coming to Dinner (1967) | Drama | |
| 1 | 3836 | | Kelly's Heroes (1970) | Action Comedy War | |
| 2 | 3200 | | Last Detail, The (1973) | Comedy Drama | |
| 3 | 2202 | | Lifeboat (1944) | Drama War | |

4 87234 Submarine (2010) Comedy|Drama|Romance

| | predicted_rating |
|---|------------------|
| 0 | 4.715974 |
| 1 | 4.658823 |
| 2 | 4.635877 |
| 3 | 4.620601 |
| 4 | 4.618260 |

Tops 5 Recommendations for User 485:

| | movieId | title \ |
|---|---------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 1 | 3200 | Last Detail, The (1973) |
| 2 | 6460 | Trial, The (Procès, Le) (1962) |
| 3 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 4 | 1303 | Man Who Would Be King, The (1975) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Crime Drama | 4.965326 |
| 1 | Comedy Drama | 4.948003 |
| 2 | Drama | 4.926179 |
| 3 | Action Animation Drama Fantasy Sci-Fi | 4.890433 |
| 4 | Adventure Drama | 4.885762 |

Tops 5 Recommendations for User 486:

| | movieId | title | genres \ |
|---|---------|---|---------------|
| 0 | 1178 | Paths of Glory (1957) | Drama War |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 2 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | Drama Romance |
| 3 | 2360 | Celebration, The (Festen) (1998) | Drama |
| 4 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 5.000000 |
| 1 | 4.988685 |
| 2 | 4.955304 |
| 3 | 4.916058 |
| 4 | 4.905654 |

Tops 5 Recommendations for User 487:

| | movieId | title \ |
|---|---------|---|
| 0 | 1178 | Paths of Glory (1957) |
| 1 | 1104 | Streetcar Named Desire, A (1951) |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 3 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 4 | 2360 | Celebration, The (Festen) (1998) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 3.790997 |
| 1 | Drama | 3.781220 |
| 2 | Crime Drama | 3.777450 |
| 3 | Action Animation Drama Fantasy Sci-Fi | 3.730780 |
| 4 | Drama | 3.715930 |

Tops 5 Recommendations for User 488:

| | movieId | title \ |
|---|---------|--|
| 0 | 1178 | Paths of Glory (1957) |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 2 | 6104 | Monty Python Live at the Hollywood Bowl (1982) |
| 3 | 5747 | Gallipoli (1981) |
| 4 | 1224 | Henry V (1989) |

| | genres | predicted_rating |
|---|--------------------------|------------------|
| 0 | Drama War | 4.672064 |
| 1 | Crime Drama | 4.558714 |
| 2 | Comedy | 4.527429 |
| 3 | Drama War | 4.513023 |
| 4 | Action Drama Romance War | 4.499607 |

Tops 5 Recommendations for User 489:

| | movieId | title \ |
|---|---------|-----------------|
| 0 | 2202 | Lifeboat (1944) |

| | | |
|---|-------|---|
| 1 | 1104 | Streetcar Named Desire, A (1951) |
| 2 | 4642 | Hedwig and the Angry Inch (2000) |
| 3 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... |
| 4 | 26810 | Bad Boy Bubby (1993) |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Drama War | 4.146899 |
| 1 | Drama | 4.090072 |
| 2 | Comedy Drama Musical | 4.086161 |
| 3 | Comedy Crime Drama Thriller | 4.066995 |
| 4 | Drama | 4.064111 |

Tops 5 Recommendations for User 490:

| | movieId | title | genres | predicted_rating |
|---|---------|-----------------------|----------------------|------------------|
| 0 | 1178 | Paths of Glory (1957) | Drama War | 3.964678 |
| 1 | 89904 | The Artist (2011) | Comedy Drama Romance | 3.942299 |
| 2 | 1217 | Ran (1985) | Drama War | 3.941179 |
| 3 | 858 | Godfather, The (1972) | Crime Drama | 3.932064 |
| 4 | 1041 | Secrets & Lies (1996) | Drama | 3.929166 |

Tops 5 Recommendations for User 491:

| | movieId | title \ |
|---|---------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 1 | 2202 | Lifeboat (1944) |
| 2 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... |
| 3 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 4 | 1104 | Streetcar Named Desire, A (1951) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Crime Drama | 4.906697 |
| 1 | Drama War | 4.886771 |
| 2 | Comedy Crime Drama Thriller | 4.886645 |
| 3 | Action Animation Drama Fantasy Sci-Fi | 4.884749 |
| 4 | Drama | 4.863585 |

Tops 5 Recommendations for User 492:

| | movieId | title \ |
|---|---------|---|
| 0 | 5500 | Top Secret! (1984) |
| 1 | 28 | Persuasion (1995) |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 3 | 5915 | Victory (a.k.a. Escape to Victory) (1981) |
| 4 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... |

| | genres | predicted_rating |
|---|------------------|------------------|
| 0 | Comedy | 4.847101 |
| 1 | Drama Romance | 4.815460 |
| 2 | Crime Drama | 4.804842 |
| 3 | Action Drama War | 4.787824 |
| 4 | Drama Romance | 4.786782 |

Tops 5 Recommendations for User 493:

| | movieId | title | genres \ |
|---|---------|----------------------------------|-----------------------|
| 0 | 116897 | Wild Tales (2014) | Comedy Drama Thriller |
| 1 | 1178 | Paths of Glory (1957) | Drama War |
| 2 | 2360 | Celebration, The (Festen) (1998) | Drama |
| 3 | 2202 | Lifeboat (1944) | Drama War |
| 4 | 3435 | Double Indemnity (1944) | Crime Drama Film-Noir |

| | predicted_rating |
|---|------------------|
| 0 | 4.525615 |
| 1 | 4.524922 |
| 2 | 4.464544 |
| 3 | 4.460637 |
| 4 | 4.430565 |

Tops 5 Recommendations for User 494:

| | movieId | title \ |
|---|---------|---|
| 0 | 2202 | Lifeboat (1944) |
| 1 | 1217 | Ran (1985) |
| 2 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 3 | 62336 | FLCL (2000) |
| 4 | 2300 | Producers, The (1968) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.743560 |
| 1 | Drama War | 4.709932 |
| 2 | Action Animation Drama Fantasy Sci-Fi | 4.709152 |
| 3 | Animation Comedy Fantasy Sci-Fi | 4.680721 |
| 4 | Comedy | 4.672682 |

Tops 5 Recommendations for User 495:

| | movieId | title | genres \ | predicted_rating |
|---|---------|---|--------------|------------------|
| 0 | 1104 | Streetcar Named Desire, A (1951) | Drama | 5.000000 |
| 1 | 2202 | Lifeboat (1944) | Drama War | 4.922565 |
| 2 | 2239 | Swept Away (Travolti da un insolito destino ne... | Comedy Drama | 4.904086 |
| 3 | 1217 | Ran (1985) | Drama War | 4.884251 |
| 4 | 1237 | Seventh Seal, The (Sjunde inseglet, Det) (1957) | Drama | 4.845265 |

Tops 5 Recommendations for User 496:

| | movieId | title | genres | predicted_rating |
|---|---------|-----------------------|-----------------------|------------------|
| 0 | 1217 | Ran (1985) | Drama War | 4.257670 |
| 1 | 1041 | Secrets & Lies (1996) | Drama | 4.197269 |
| 2 | 159817 | Planet Earth (2006) | Documentary | 4.168685 |
| 3 | 171763 | Baby Driver (2017) | Action Crime Thriller | 4.141246 |
| 4 | 1178 | Paths of Glory (1957) | Drama War | 4.129319 |

Tops 5 Recommendations for User 497:

| | movieId | title | genres | predicted_rating |
|---|---------|----------------------------------|----------------|------------------|
| 0 | 1217 | Ran (1985) | Drama War | 3.994601 |
| 1 | 1104 | Streetcar Named Desire, A (1951) | Drama | 3.988098 |
| 2 | 8477 | Jetée, La (1962) | Romance Sci-Fi | 3.931129 |
| 3 | 51931 | Reign Over Me (2007) | Drama | 3.921278 |
| 4 | 1041 | Secrets & Lies (1996) | Drama | 3.920146 |

Tops 5 Recommendations for User 498:

| | movieId | title | genres | predicted_rating |
|---|---------|-------------------------------------|-----------|------------------|
| 0 | 3451 | Guess Who's Coming to Dinner (1967) | Drama | 4.949732 |
| 1 | 2202 | Lifeboat (1944) | Drama War | 4.893340 |
| 2 | 1178 | Paths of Glory (1957) | Drama War | 4.878127 |
| 3 | 1104 | Streetcar Named Desire, A (1951) | Drama | 4.846580 |
| 4 | 2360 | Celebration, The (Festen) (1998) | Drama | 4.821311 |

Tops 5 Recommendations for User 499:

| | movieId | title \ |
|---|---------|---|
| 0 | 6460 | Trial, The (Procès, Le) (1962) |
| 1 | 858 | Godfather, The (1972) |
| 2 | 8477 | Jetée, La (1962) |
| 3 | 1178 | Paths of Glory (1957) |
| 4 | 61240 | Let the Right One In (Låt den rätte komma in) ... |

| | genres | predicted_rating |
|---|------------------------------|------------------|
| 0 | Drama | 4.745870 |
| 1 | Crime Drama | 4.598709 |
| 2 | Romance Sci-Fi | 4.596902 |
| 3 | Drama War | 4.585732 |
| 4 | Drama Fantasy Horror Romance | 4.579068 |

Tops 5 Recommendations for User 500:

| | movieId | title | genres | predicted_rating |
|---|---------|--------------------------|----------------------|------------------|
| 0 | 3429 | Creature Comforts (1989) | Animation Comedy | 4.336092 |
| 1 | 3030 | Yojimbo (1961) | Action Adventure | 4.334129 |
| 2 | 1236 | Trust (1990) | Comedy Drama Romance | 4.305348 |
| 3 | 7748 | Pierrot le fou (1965) | Crime Drama | 4.282767 |
| 4 | 1041 | Secrets & Lies (1996) | Drama | 4.270574 |

Tops 5 Recommendations for User 501:

| | movieId | title | genres \ |
|--|---------|-------|----------|
|--|---------|-------|----------|

| | | | |
|---|------|---|---------------|
| 0 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | Drama Romance |
| 1 | 8132 | Gladiator (1992) | Action Drama |
| 2 | 3200 | Last Detail, The (1973) | Comedy Drama |
| 3 | 1272 | Patton (1970) | Drama War |
| 4 | 1217 | Ran (1985) | Drama War |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.262496 |
| 1 | 4.258862 |
| 2 | 4.226669 |
| 3 | 4.194356 |
| 4 | 4.178805 |

Tops 5 Recommendations for User 502:

| | | | | |
|---|---------|---|--------|----------------|
| | movieId | | title | genres \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 1 | 2360 | Celebration, The (Festen) | (1998) | Drama |
| 2 | 142488 | Spotlight | (2015) | Thriller |
| 3 | 527 | Schindler's List | (1993) | Drama War |
| 4 | 58301 | Funny Games U.S. | (2007) | Drama Thriller |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.605228 |
| 1 | 4.510216 |
| 2 | 4.475497 |
| 3 | 4.471820 |
| 4 | 4.456867 |

Tops 5 Recommendations for User 503:

| | | | |
|---|---------|---|---------|
| | movieId | | title \ |
| 0 | 2202 | Lifeboat | (1944) |
| 1 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | |
| 2 | 1104 | Streetcar Named Desire, A | (1951) |
| 3 | 750 | Dr. Strangelove or: How I Learned to Stop Worr... | |
| 4 | 6460 | Trial, The (Procès, Le) | (1962) |

| | | |
|---|-----------------------------|------------------|
| | genres | predicted_rating |
| 0 | Drama War | 4.435785 |
| 1 | Comedy Crime Drama Thriller | 4.331894 |
| 2 | Drama | 4.209657 |
| 3 | Comedy War | 4.169783 |
| 4 | Drama | 4.131746 |

Tops 5 Recommendations for User 504:

| | | | | |
|---|---------|---|--------|--------------|
| | movieId | | title | genres \ |
| 0 | 2202 | Lifeboat | (1944) | Drama War |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 2 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 3 | 3451 | Guess Who's Coming to Dinner | (1967) | Drama |
| 4 | 8132 | Gladiator | (1992) | Action Drama |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.678740 |
| 1 | 4.610721 |
| 2 | 4.572802 |
| 3 | 4.568761 |
| 4 | 4.554498 |

Tops 5 Recommendations for User 505:

| | | | | |
|---|---------|---|--------|-------------|
| | movieId | | title | genres \ |
| 0 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 1 | 1178 | Paths of Glory | (1957) | Drama War |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 3 | 2202 | Lifeboat | (1944) | Drama War |
| 4 | 1041 | Secrets & Lies | (1996) | Drama |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.876380 |
| 1 | 4.827015 |
| 2 | 4.778991 |
| 3 | 4.777982 |
| 4 | 4.752495 |

Tops 5 Recommendations for User 506:

| | movieId | | title | genres \ |
|---|---------|------------------------------|--------|--------------------------|
| 0 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 1 | 1248 | Touch of Evil | (1958) | Crime Film-Noir Thriller |
| 2 | 3451 | Guess Who's Coming to Dinner | (1967) | Drama |
| 3 | 904 | Rear Window | (1954) | Mystery Thriller |
| 4 | 162 | Crumb | (1994) | Documentary |

| | predicted_rating |
|---|------------------|
| 0 | 4.180923 |
| 1 | 4.108533 |
| 2 | 4.095053 |
| 3 | 4.094864 |
| 4 | 4.093117 |

Tops 5 Recommendations for User 507:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 1 | 3451 | Guess Who's Coming to Dinner | (1967) |
| 2 | 933 | To Catch a Thief | (1955) |
| 3 | 1178 | Paths of Glory | (1957) |
| 4 | 106642 | Day of the Doctor, The | (2013) |

| | genres | predicted_rating |
|---|--------------------------------|------------------|
| 0 | Crime Drama | 4.264987 |
| 1 | Drama | 4.154127 |
| 2 | Crime Mystery Romance Thriller | 4.138087 |
| 3 | Drama War | 4.137530 |
| 4 | Adventure Drama Sci-Fi | 4.123983 |

Tops 5 Recommendations for User 508:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 3451 | Guess Who's Coming to Dinner | (1967) |
| 1 | 1178 | Paths of Glory | (1957) |
| 2 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 3 | 2202 | Lifeboat | (1944) |
| 4 | 1217 | Ran | (1985) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama | 3.452473 |
| 1 | Drama War | 3.352418 |
| 2 | Action Animation Drama Fantasy Sci-Fi | 3.337017 |
| 3 | Drama War | 3.321690 |
| 4 | Drama War | 3.317171 |

Tops 5 Recommendations for User 509:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 2202 | Lifeboat | (1944) |
| 1 | 1104 | Streetcar Named Desire, A | (1951) |
| 2 | 1217 | Ran | (1985) |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 4 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.181984 |
| 1 | Drama | 4.133486 |
| 2 | Drama War | 4.112390 |
| 3 | Crime Drama | 4.111907 |
| 4 | Action Animation Drama Fantasy Sci-Fi | 4.103804 |

Tops 5 Recommendations for User 510:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 1178 | Paths of Glory | (1957) |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 2 | 4103 | Empire of the Sun | (1987) |
| 3 | 25771 | Andalusian Dog, An (Chien andalou, Un) | (1929) |
| 4 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |

| | genres | predicted_rating |
|---|-------------|------------------|
| 0 | Drama War | 3.874436 |
| 1 | Crime Drama | 3.834232 |

| | | |
|---|---------------------------------------|----------|
| 2 | Action Adventure Drama War | 3.786682 |
| 3 | Fantasy | 3.778985 |
| 4 | Action Animation Drama Fantasy Sci-Fi | 3.774248 |

Tops 5 Recommendations for User 511:

| | movieId | | title | genres \ |
|---|---------|---|----------------------------------|-------------|
| 0 | 2202 | | Lifeboat (1944) | Drama War |
| 1 | 1104 | | Streetcar Named Desire, A (1951) | Drama |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 3 | 1178 | | Paths of Glory (1957) | Drama War |
| 4 | 1217 | | Ran (1985) | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 4.823351 |
| 1 | 4.737220 |
| 2 | 4.736417 |
| 3 | 4.716942 |
| 4 | 4.688319 |

Tops 5 Recommendations for User 512:

| | movieId | | title \ |
|---|---------|---|----------------------------------|
| 0 | 2202 | | Lifeboat (1944) |
| 1 | 1104 | | Streetcar Named Desire, A (1951) |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 3 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | |
| 4 | 858 | | Godfather, The (1972) |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Drama War | 4.717970 |
| 1 | Drama | 4.706841 |
| 2 | Crime Drama | 4.625275 |
| 3 | Comedy Crime Drama Thriller | 4.625157 |
| 4 | Crime Drama | 4.578264 |

Tops 5 Recommendations for User 513:

| | movieId | | title \ |
|---|---------|---|--------------------------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 1 | 2202 | | Lifeboat (1944) |
| 2 | 6460 | | Trial, The (Procès, Le) (1962) |
| 3 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | |
| 4 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Crime Drama | 4.557414 |
| 1 | Drama War | 4.521653 |
| 2 | Drama | 4.492107 |
| 3 | Comedy Crime Drama Thriller | 4.486936 |
| 4 | Action Animation Drama Fantasy Sci-Fi | 4.451281 |

Tops 5 Recommendations for User 514:

| | movieId | | title | genres \ |
|---|---------|---|----------------------------------|---------------|
| 0 | 1104 | | Streetcar Named Desire, A (1951) | Drama |
| 1 | 1178 | | Paths of Glory (1957) | Drama War |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 3 | 1217 | | Ran (1985) | Drama War |
| 4 | 912 | | Casablanca (1942) | Drama Romance |

| | predicted_rating |
|---|------------------|
| 0 | 4.240659 |
| 1 | 4.190822 |
| 2 | 4.153923 |
| 3 | 4.142960 |
| 4 | 4.134509 |

Tops 5 Recommendations for User 515:

| | movieId | | title \ |
|---|---------|-------------------------------------|-----------------------|
| 0 | 246 | | Hoop Dreams (1994) |
| 1 | 741 | Ghost in the Shell (Kôkaku kidôtai) | (1995) |
| 2 | 898 | Philadelphia Story, The | (1940) |
| 3 | 930 | | Notorious (1946) |
| 4 | 1041 | | Secrets & Lies (1996) |

| | genres | predicted_rating |
|---|----------------------------|------------------|
| 0 | Documentary | 5 |
| 1 | Animation Sci-Fi | 5 |
| 2 | Comedy Drama Romance | 5 |
| 3 | Film-Noir Romance Thriller | 5 |
| 4 | Drama | 5 |

Tops 5 Recommendations for User 516:

| | movieId | title | genres | predicted_rating |
|---|---------|---|----------------------|------------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama | 4.479467 |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | Comedy Drama Romance | 4.566009 |
| 2 | 1178 | Paths of Glory (1957) | Crime Drama | 4.536374 |
| 3 | 8132 | Gladiator (1992) | Drama War | 4.531650 |
| 4 | 2202 | Lifeboat (1944) | Animation Drama War | 4.526787 |

| | movieId | title | genres | predicted_rating |
|---|---------|-------------------------------|----------------------------|------------------|
| 0 | 106642 | Day of the Doctor, The (2013) | Adventure Drama Sci-Fi | 3.786026 |
| 1 | 87234 | Submarine (2010) | Comedy Drama Romance | 3.629192 |
| 2 | 73881 | 3 Idiots (2009) | Comedy Drama Romance | 3.538453 |
| 3 | 1683 | Wings of the Dove, The (1997) | Drama Romance | 3.518249 |
| 4 | 930 | Notorious (1946) | Film-Noir Romance Thriller | 3.491120 |

Tops 5 Recommendations for User 517:

| | movieId | title | genres | predicted_rating |
|---|---------|---|----------------------|------------------|
| 0 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | Comedy Drama Romance | 4.566009 |
| 1 | 1236 | Trust (1990) | Crime Drama | 4.536374 |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Drama War | 4.531650 |
| 3 | 1217 | Ran (1985) | Animation Drama War | 4.526787 |
| 4 | 5690 | Grave of the Fireflies (Hotaru no haka) (1988) | Crime Drama | 4.536374 |

Tops 5 Recommendations for User 518:

| | movieId | title | genres | predicted_rating |
|---|---------|---|---------------|------------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama | 4.479467 |
| 1 | 1217 | Ran (1985) | Drama War | 4.531650 |
| 2 | 2202 | Lifeboat (1944) | Drama War | 4.526787 |
| 3 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | Drama Romance | 4.931293 |
| 4 | 3451 | Guess Who's Coming to Dinner (1967) | Drama | 4.924331 |

Tops 5 Recommendations for User 519:

| | movieId | title | genres | predicted_rating |
|---|---------|--|----------------|------------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama | 4.479467 |
| 1 | 8477 | Jetée, La (1962) | Romance Sci-Fi | 4.966553 |
| 2 | 2202 | Lifeboat (1944) | Drama War | 4.924331 |

Tops 5 Recommendations for User 520:

| | movieId | title | genres | predicted_rating |
|---|---------|--|----------------|------------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama | 4.479467 |
| 1 | 8477 | Jetée, La (1962) | Romance Sci-Fi | 4.966553 |
| 2 | 2202 | Lifeboat (1944) | Drama War | 4.924331 |

| | | | |
|---|------|-------------------------|--------------|
| 3 | 1041 | Secrets & Lies (1996) | Drama |
| 4 | 3200 | Last Detail, The (1973) | Comedy Drama |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.701617 |
| 1 | 4.678050 |
| 2 | 4.671132 |
| 3 | 4.666311 |
| 4 | 4.658397 |

Tops 5 Recommendations for User 521:

| | | | |
|---|---------|---|---------------|
| | movieId | title | genres \ |
| 0 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 1 | 2202 | Lifeboat (1944) | Drama War |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 3 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | Drama War |
| 4 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | Drama Romance |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.762184 |
| 1 | 4.751714 |
| 2 | 4.706442 |
| 3 | 4.669435 |
| 4 | 4.668383 |

Tops 5 Recommendations for User 522:

| | | | |
|---|---------|---------------------------|--------------------------|
| | movieId | title | genres \ |
| 0 | 5500 | Top Secret! (1984) | Comedy |
| 1 | 176 | Living in Oblivion (1995) | Comedy |
| 2 | 1204 | Lawrence of Arabia (1962) | Adventure Drama War |
| 3 | 1217 | Ran (1985) | Drama War |
| 4 | 1248 | Touch of Evil (1958) | Crime Film-Noir Thriller |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.472927 |
| 1 | 4.450971 |
| 2 | 4.449622 |
| 3 | 4.445148 |
| 4 | 4.438627 |

Tops 5 Recommendations for User 523:

| | | | |
|---|---------|------------------------------|--------------------------------|
| | movieId | title | genres \ |
| 0 | 246 | Hoop Dreams (1994) | Documentary |
| 1 | 904 | Rear Window (1954) | Mystery Thriller |
| 2 | 905 | It Happened One Night (1934) | Comedy Romance |
| 3 | 930 | Notorious (1946) | Film-Noir Romance Thriller |
| 4 | 933 | To Catch a Thief (1955) | Crime Mystery Romance Thriller |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 5 |
| 1 | 5 |
| 2 | 5 |
| 3 | 5 |
| 4 | 5 |

Tops 5 Recommendations for User 524:

| | | |
|---|---------|---|
| | movieId | title \ |
| 0 | 3451 | Guess Who's Coming to Dinner (1967) |
| 1 | 87234 | Submarine (2010) |
| 2 | 720 | Wallace & Gromit: The Best of Aardman Animatio... |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 4 | 2202 | Lifeboat (1944) |

| | | |
|---|----------------------------|------------------|
| | genres | predicted_rating |
| 0 | Drama | 4.387388 |
| 1 | Comedy Drama Romance | 4.379220 |
| 2 | Adventure Animation Comedy | 4.355674 |
| 3 | Crime Drama | 4.338904 |
| 4 | Drama War | 4.318862 |

Tops 5 Recommendations for User 525:

| | | | |
|--|---------|-------|----------|
| | movieId | title | genres \ |
|--|---------|-------|----------|

| | | | |
|---|--------|--|-------------|
| 0 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 2 | 1178 | Paths of Glory (1957) | Drama War |
| 3 | 6460 | Trial, The (Procès, Le) (1962) | Drama |
| 4 | 1217 | Ran (1985) | Drama War |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.379380 |
| 1 | 4.345939 |
| 2 | 4.319824 |
| 3 | 4.305295 |
| 4 | 4.256464 |

Tops 5 Recommendations for User 526:

| | | |
|---|---------|---|
| | movieId | title \ |
| 0 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 1 | 2202 | Lifeboat (1944) |
| 2 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... |
| 3 | 3200 | Last Detail, The (1973) |
| 4 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... |

| | | |
|---|---------------------------------------|------------------|
| | genres | predicted_rating |
| 0 | Action Animation Drama Fantasy Sci-Fi | 4.790029 |
| 1 | Drama War | 4.738030 |
| 2 | Drama Romance | 4.726125 |
| 3 | Comedy Drama | 4.717154 |
| 4 | Comedy Crime Drama Thriller | 4.712697 |

Tops 5 Recommendations for User 527:

| | | | |
|---|---------|---|-----------------|
| | movieId | title | genres \ |
| 0 | 2202 | Lifeboat (1944) | Drama War |
| 1 | 65642 | Timecrimes (Cronocrímenes, Los) (2007) | Sci-Fi Thriller |
| 2 | 1237 | Seventh Seal, The (Sjunde inseglet, Det) (1957) | Drama |
| 3 | 5500 | Top Secret! (1984) | Comedy |
| 4 | 6460 | Trial, The (Procès, Le) (1962) | Drama |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.932670 |
| 1 | 4.879048 |
| 2 | 4.871763 |
| 3 | 4.864943 |
| 4 | 4.854994 |

Tops 5 Recommendations for User 528:

| | | | |
|---|---------|---|---------------|
| | movieId | title | genres \ |
| 0 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | Drama Romance |
| 1 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | Drama War |
| 2 | 1217 | Ran (1985) | Drama War |
| 3 | 318 | Shawshank Redemption, The (1994) | Crime Drama |
| 4 | 3451 | Guess Who's Coming to Dinner (1967) | Drama |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.455917 |
| 1 | 4.416431 |
| 2 | 4.377161 |
| 3 | 4.253213 |
| 4 | 4.250956 |

Tops 5 Recommendations for User 529:

| | | | |
|---|---------|--|-------------|
| | movieId | title | genres \ |
| 0 | 2360 | Celebration, The (Festen) (1998) | Drama |
| 1 | 1217 | Ran (1985) | Drama War |
| 2 | 1041 | Secrets & Lies (1996) | Drama |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 4 | 1178 | Paths of Glory (1957) | Drama War |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.491904 |
| 1 | 4.479774 |
| 2 | 4.477437 |
| 3 | 4.454829 |
| 4 | 4.451191 |

Tops 5 Recommendations for User 530:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 1 | 2202 | Lifeboat | (1944) | Drama War | |
| 2 | 6460 | Trial, The (Procès, Le) | (1962) | Drama | |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.728546 |
| 1 | 4.699997 |
| 2 | 4.676614 |
| 3 | 4.646296 |
| 4 | 4.638475 |

Tops 5 Recommendations for User 531:

| | movieId | | title | \ |
|---|---------|--|--------|---|
| 0 | 6460 | Trial, The (Procès, Le) | (1962) | |
| 1 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -...) | | |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | |
| 3 | 2202 | Lifeboat | (1944) | |
| 4 | 3347 | Never Cry Wolf | (1983) | |

| | genres | predicted_rating |
|---|-----------------|------------------|
| 0 | Drama | 4.646352 |
| 1 | Drama War | 4.626353 |
| 2 | Crime Drama | 4.595397 |
| 3 | Drama War | 4.559649 |
| 4 | Adventure Drama | 4.542211 |

Tops 5 Recommendations for User 532:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 6460 | Trial, The (Procès, Le) | (1962) | Drama | |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 2 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 3 | 3451 | Guess Who's Coming to Dinner | (1967) | Drama | |
| 4 | 2202 | Lifeboat | (1944) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.896156 |
| 1 | 4.890337 |
| 2 | 4.865612 |
| 3 | 4.845014 |
| 4 | 4.827713 |

Tops 5 Recommendations for User 533:

| | movieId | | title | genres | \ |
|---|---------|-------------------------------------|--------|------------------|---|
| 0 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 1 | 1041 | Secrets & Lies | (1996) | Drama | |
| 2 | 7121 | Adam's Rib | (1949) | Comedy Romance | |
| 3 | 3451 | Guess Who's Coming to Dinner | (1967) | Drama | |
| 4 | 741 | Ghost in the Shell (Kôkaku kidôtai) | (1995) | Animation Sci-Fi | |

| | predicted_rating |
|---|------------------|
| 0 | 4.932610 |
| 1 | 4.841140 |
| 2 | 4.784695 |
| 3 | 4.782364 |
| 4 | 4.779911 |

Tops 5 Recommendations for User 534:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 2202 | Lifeboat | (1944) | Drama War | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 3 | 1217 | Ran | (1985) | Drama War | |
| 4 | 1178 | Paths of Glory | (1957) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.732375 |
| 1 | 4.668895 |

| | |
|---|----------|
| 2 | 4.665109 |
| 3 | 4.663625 |
| 4 | 4.654899 |

Tops 5 Recommendations for User 535:

| | movieId | | title \ |
|---|---------|---|-----------------|
| 0 | 2202 | | Lifeboat (1944) |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 2 | 1217 | | Ran (1985) |
| 3 | 1104 | Streetcar Named Desire, A | (1951) |
| 4 | 106642 | Day of the Doctor, The | (2013) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 3.519200 |
| 1 | Action Animation Drama Fantasy Sci-Fi | 3.367385 |
| 2 | Drama War | 3.364160 |
| 3 | Drama | 3.357370 |
| 4 | Adventure Drama Sci-Fi | 3.354134 |

Tops 5 Recommendations for User 536:

| | movieId | | title \ |
|---|---------|---|-----------------|
| 0 | 7361 | Eternal Sunshine of the Spotless Mind | (2004) |
| 1 | 4021 | Before Night Falls | (2000) |
| 2 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 3 | 2202 | | Lifeboat (1944) |
| 4 | 1217 | | Ran (1985) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama Romance Sci-Fi | 4.378253 |
| 1 | Drama | 4.350601 |
| 2 | Action Animation Drama Fantasy Sci-Fi | 4.344076 |
| 3 | Drama War | 4.338994 |
| 4 | Drama War | 4.307953 |

Tops 5 Recommendations for User 537:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 6460 | Trial, The (Procès, Le) | (1962) |
| 1 | 8132 | Gladiator | (1992) |
| 2 | 89904 | The Artist | (2011) |
| 3 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | |
| 4 | 246 | Hoop Dreams | (1994) |

| | genres | predicted_rating |
|---|----------------------|------------------|
| 0 | Drama | 4.744714 |
| 1 | Action Drama | 4.692464 |
| 2 | Comedy Drama Romance | 4.682853 |
| 3 | Drama War | 4.674054 |
| 4 | Documentary | 4.669652 |

Tops 5 Recommendations for User 538:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 930 | Notorious | (1946) |
| 1 | 1217 | Ran | (1985) |
| 2 | 3429 | Creature Comforts | (1989) |
| 3 | 3451 | Guess Who's Coming to Dinner | (1967) |
| 4 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | |

| | genres | predicted_rating |
|---|----------------------------|------------------|
| 0 | Film-Noir Romance Thriller | 5 |
| 1 | Drama War | 5 |
| 2 | Animation Comedy | 5 |
| 3 | Drama | 5 |
| 4 | Drama War | 5 |

Tops 5 Recommendations for User 539:

| | movieId | | title | genres \ |
|---|---------|---|--------|----------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 1 | 905 | It Happened One Night | (1934) | Comedy Romance |
| 2 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | | Drama War |
| 3 | 1178 | Paths of Glory | (1957) | Drama War |
| 4 | 1104 | Streetcar Named Desire, A | (1951) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.769585 |
| 1 | 4.699108 |
| 2 | 4.682068 |
| 3 | 4.648843 |
| 4 | 4.640425 |

Tops 5 Recommendations for User 540:

| | movieId | title \ |
|---|---------|---|
| 0 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... |
| 1 | 3019 | Drugstore Cowboy (1989) |
| 2 | 65642 | Timecrimes (Cronocrímenes, Los) (2007) |
| 3 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 4 | 1178 | Paths of Glory (1957) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.722942 |
| 1 | Crime Drama | 4.664689 |
| 2 | Sci-Fi Thriller | 4.664591 |
| 3 | Action Animation Drama Fantasy Sci-Fi | 4.658065 |
| 4 | Drama War | 4.657522 |

Tops 5 Recommendations for User 541:

| | movieId | title \ |
|---|---------|--|
| 0 | 8132 | Gladiator (1992) |
| 1 | 106642 | Day of the Doctor, The (2013) |
| 2 | 3451 | Guess Who's Coming to Dinner (1967) |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 4 | 38095 | Bittersweet Life, A (Dalkomhan insaeng) (2005) |

| | genres | predicted_rating |
|---|------------------------|------------------|
| 0 | Action Drama | 4.345430 |
| 1 | Adventure Drama Sci-Fi | 4.337300 |
| 2 | Drama | 4.330417 |
| 3 | Crime Drama | 4.302958 |
| 4 | Action Crime Drama | 4.302714 |

Tops 5 Recommendations for User 542:

| | movieId | title \ |
|---|---------|---|
| 0 | 720 | Wallace & Gromit: The Best of Aardman Animatio... |
| 1 | 3200 | Last Detail, The (1973) |
| 2 | 176 | Living in Oblivion (1995) |
| 3 | 930 | Notorious (1946) |
| 4 | 3451 | Guess Who's Coming to Dinner (1967) |

| | genres | predicted_rating |
|---|----------------------------|------------------|
| 0 | Adventure Animation Comedy | 4.570482 |
| 1 | Comedy Drama | 4.489348 |
| 2 | Comedy | 4.470939 |
| 3 | Film-Noir Romance Thriller | 4.461412 |
| 4 | Drama | 4.453849 |

Tops 5 Recommendations for User 543:

| | movieId | title | genres \ |
|---|---------|-------------------------------------|------------------------|
| 0 | 246 | Hoop Dreams (1994) | Documentary |
| 1 | 318 | Shawshank Redemption, The (1994) | Crime Drama |
| 2 | 390 | Faster Pussycat! Kill! Kill! (1965) | Action Crime Drama |
| 3 | 899 | Singin' in the Rain (1952) | Comedy Musical Romance |
| 4 | 904 | Rear Window (1954) | Mystery Thriller |

| | predicted_rating |
|---|------------------|
| 0 | 5 |
| 1 | 5 |
| 2 | 5 |
| 3 | 5 |
| 4 | 5 |

Tops 5 Recommendations for User 544:

| | movieId | title \ |
|---|---------|----------------------------------|
| 0 | 176 | Living in Oblivion (1995) |
| 1 | 246 | Hoop Dreams (1994) |
| 2 | 318 | Shawshank Redemption, The (1994) |

```

3       750  Dr. Strangelove or: How I Learned to Stop Worr...
4       933                                To Catch a Thief (1955)

```

```

                                genres  predicted_rating
0                                Comedy                5
1                                Documentary            5
2                                Crime|Drama           5
3                                Comedy|War           5
4  Crime|Mystery|Romance|Thriller                5

```

Tops 5 Recommendations for User 545:

```

movieId                                title \
0      1041                                Secrets & Lies (1996)
1     43376  Sophie Scholl: The Final Days (Sophie Scholl -...
2      1104                                Streetcar Named Desire, A (1951)
3      1217                                Ran (1985)
4      3429                                Creature Comforts (1989)

```

```

                                genres  predicted_rating
0                                Drama                4.670319
1                                Drama|War            4.640946
2                                Drama                4.599347
3                                Drama|War            4.593287
4  Animation|Comedy                4.586039

```

Tops 5 Recommendations for User 546:

```

movieId                                title \
0      7008  Last Tango in Paris (Ultimo tango a Parigi) (1...
1     43376  Sophie Scholl: The Final Days (Sophie Scholl -...
2      1178                                Paths of Glory (1957)
3      2202                                Lifeboat (1944)
4     27156  Neon Genesis Evangelion: The End of Evangelion...

```

```

                                genres  predicted_rating
0                                Drama|Romance         4.437485
1                                Drama|War            4.361358
2                                Drama|War            4.320391
3                                Drama|War            4.304271
4  Action|Animation|Drama|Fantasy|Sci-Fi            4.289000

```

Tops 5 Recommendations for User 547:

```

movieId                                title \
0      2202                                Lifeboat (1944)
1     177593  Three Billboards Outside Ebbing, Missouri (2017)
2      1104                                Streetcar Named Desire, A (1951)
3     27156  Neon Genesis Evangelion: The End of Evangelion...
4      3435                                Double Indemnity (1944)

```

```

                                genres  predicted_rating
0                                Drama|War            4.840581
1                                Crime|Drama          4.831573
2                                Drama                4.729775
3  Action|Animation|Drama|Fantasy|Sci-Fi            4.664901
4                                Crime|Drama|Film-Noir 4.641561

```

Tops 5 Recommendations for User 548:

```

movieId                                title \
0      1104                                Streetcar Named Desire, A (1951)
1     177593  Three Billboards Outside Ebbing, Missouri (2017)
2      3266  Man Bites Dog (C'est arrivé près de chez vous)...
3      3019                                Drugstore Cowboy (1989)
4      6791                                Babette's Feast (Babettes gæstebud) (1987)

```

```

                                genres  predicted_rating
0                                Drama                5.000000
1                                Crime|Drama          5.000000
2  Comedy|Crime|Drama|Thriller            4.979165
3                                Crime|Drama          4.975819
4                                Drama                4.958255

```

Tops 5 Recommendations for User 549:

```

movieId                                title                                genres \

```

| | | | |
|---|-------|---|-----------------|
| 0 | 3200 | Last Detail, The (1973) | Comedy Drama |
| 1 | 25771 | Andalusian Dog, An (Chien andalou, Un) (1929) | Fantasy |
| 2 | 7121 | Adam's Rib (1949) | Comedy Romance |
| 3 | 26810 | Bad Boy Bubby (1993) | Drama |
| 4 | 3347 | Never Cry Wolf (1983) | Adventure Drama |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.263662 |
| 1 | 4.240250 |
| 2 | 4.239726 |
| 3 | 4.062147 |
| 4 | 4.048072 |

Tops 5 Recommendations for User 550:

| | | | |
|---|---------|---|-------------------------------------|
| | movieId | | title \ |
| 0 | 3836 | | Kelly's Heroes (1970) |
| 1 | 3451 | | Guess Who's Coming to Dinner (1967) |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 3 | 3200 | | Last Detail, The (1973) |
| 4 | 2202 | | Lifeboat (1944) |

| | | |
|---|-------------------|------------------|
| | genres | predicted_rating |
| 0 | Action Comedy War | 4.697079 |
| 1 | Drama | 4.663690 |
| 2 | Crime Drama | 4.635300 |
| 3 | Comedy Drama | 4.625714 |
| 4 | Drama War | 4.604355 |

Tops 5 Recommendations for User 551:

| | | | | | |
|---|---------|------------------------|-------------------------|--|----------------------------|
| | movieId | | title | | genres \ |
| 0 | 930 | | Notorious (1946) | | Film-Noir Romance Thriller |
| 1 | 3200 | | Last Detail, The (1973) | | Comedy Drama |
| 2 | 1041 | | Secrets & Lies (1996) | | Drama |
| 3 | 7323 | | Good bye, Lenin! (2003) | | Comedy Drama |
| 4 | 106642 | Day of the Doctor, The | (2013) | | Adventure Drama Sci-Fi |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.522583 |
| 1 | 4.495354 |
| 2 | 4.460849 |
| 3 | 4.398819 |
| 4 | 4.378502 |

Tops 5 Recommendations for User 552:

| | | | |
|---|---------|---|----------------------------------|
| | movieId | | title \ |
| 0 | 2202 | | Lifeboat (1944) |
| 1 | 1178 | | Paths of Glory (1957) |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 3 | 1104 | | Streetcar Named Desire, A (1951) |
| 4 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |

| | | |
|---|---------------------------------------|------------------|
| | genres | predicted_rating |
| 0 | Drama War | 4.248071 |
| 1 | Drama War | 4.220905 |
| 2 | Crime Drama | 4.127131 |
| 3 | Drama | 4.099724 |
| 4 | Action Animation Drama Fantasy Sci-Fi | 4.095995 |

Tops 5 Recommendations for User 553:

| | | | | | |
|---|---------|---|-------------------------------------|--|-------------|
| | movieId | | title | | genres \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | | Crime Drama |
| 1 | 1104 | | Streetcar Named Desire, A (1951) | | Drama |
| 2 | 1178 | | Paths of Glory (1957) | | Drama War |
| 3 | 2202 | | Lifeboat (1944) | | Drama War |
| 4 | 3451 | | Guess Who's Coming to Dinner (1967) | | Drama |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.896005 |
| 1 | 4.884562 |
| 2 | 4.872956 |
| 3 | 4.864572 |
| 4 | 4.848444 |

Tops 5 Recommendations for User 554:

| | movieId | title \ | genres | predicted_rating |
|---|---------|--------------------------------|-------------------------------------|------------------|
| 0 | 2202 | Lifeboat (1944) | Drama War | 4.934365 |
| 1 | 3200 | Last Detail, The (1973) | Comedy Drama | 4.867852 |
| 2 | 1272 | Patton (1970) | Drama War | 4.799202 |
| 3 | 67618 | Strictly Sexual (2008) | Comedy Drama Romance | 4.755418 |
| 4 | 126921 | The Fox and the Hound 2 (2006) | Adventure Animation Children Comedy | 4.701065 |

Tops 5 Recommendations for User 555:

| | movieId | title \ | genres | predicted_rating |
|---|---------|---|---------------------------------------|------------------|
| 0 | 2239 | Swept Away (Travolti da un insolito destino ne... | Comedy Drama | 4.570225 |
| 1 | 3451 | Guess Who's Coming to Dinner (1967) | Drama | 4.558854 |
| 2 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | Action Animation Drama Fantasy Sci-Fi | 4.521751 |
| 3 | 1217 | Ran (1985) | Drama War | 4.515077 |
| 4 | 1104 | Streetcar Named Desire, A (1951) | Drama | 4.491209 |

Tops 5 Recommendations for User 556:

| | movieId | title \ | genres | predicted_rating |
|---|---------|---|---------------------------------------|------------------|
| 0 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | Action Animation Drama Fantasy Sci-Fi | 5.000000 |
| 1 | 1104 | Streetcar Named Desire, A (1951) | Drama | 4.982757 |
| 2 | 1217 | Ran (1985) | Drama War | 4.902067 |
| 3 | 2202 | Lifeboat (1944) | Drama War | 4.885356 |
| 4 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama | 4.872896 |

Tops 5 Recommendations for User 557:

| | movieId | title | genres \ | predicted_rating |
|---|---------|--|----------------|------------------|
| 0 | 8477 | Jetée, La (1962) | Romance Sci-Fi | 4.783222 |
| 1 | 25771 | Andalusian Dog, An (Chien andalou, Un) (1929) | Fantasy | 4.779233 |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama | 4.750582 |
| 3 | 3451 | Guess Who's Coming to Dinner (1967) | Drama | 4.710247 |
| 4 | 1104 | Streetcar Named Desire, A (1951) | Drama | 4.708643 |

Tops 5 Recommendations for User 558:

| | movieId | title \ | genres | predicted_rating |
|---|---------|---|----------------------|------------------|
| 0 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | Drama Romance | 4.972295 |
| 1 | 4642 | Hedwig and the Angry Inch (2000) | Comedy Drama Musical | 4.956245 |
| 2 | 5690 | Grave of the Fireflies (Hotaru no haka) (1988) | | |
| 3 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... | | |
| 4 | 2360 | Celebration, The (Festen) (1998) | | |

| | | |
|---|---------------------|----------|
| 2 | Animation Drama War | 4.928771 |
| 3 | Drama War | 4.913420 |
| 4 | Drama | 4.908983 |

Tops 5 Recommendations for User 559:

| | movieId | | title | genres \ |
|---|---------|---|------------|--------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 1 | 1217 | | Ran (1985) | Drama War |
| 2 | 1178 | Paths of Glory | (1957) | Drama War |
| 3 | 2202 | Lifeboat | (1944) | Drama War |
| 4 | 8132 | Gladiator | (1992) | Action Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.327654 |
| 1 | 4.315301 |
| 2 | 4.286128 |
| 3 | 4.270758 |
| 4 | 4.264296 |

Tops 5 Recommendations for User 560:

| | movieId | | title | genres \ |
|---|---------|---|--------|-------------|
| 0 | 2202 | Lifeboat | (1944) | Drama War |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 2 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 3 | 6460 | Trial, The (Procès, Le) | (1962) | Drama |
| 4 | 1178 | Paths of Glory | (1957) | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 4.337023 |
| 1 | 4.309233 |
| 2 | 4.298127 |
| 3 | 4.273934 |
| 4 | 4.265587 |

Tops 5 Recommendations for User 561:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 1 | 2202 | Lifeboat | (1944) |
| 2 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | |
| 3 | 51931 | Reign Over Me | (2007) |
| 4 | 1178 | Paths of Glory | (1957) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Action Animation Drama Fantasy Sci-Fi | 4.204930 |
| 1 | Drama War | 4.179762 |
| 2 | Comedy Crime Drama Thriller | 4.131289 |
| 3 | Drama | 4.127960 |
| 4 | Drama War | 4.106026 |

Tops 5 Recommendations for User 562:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 1104 | Streetcar Named Desire, A | (1951) |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 2 | 3200 | Last Detail, The | (1973) |
| 3 | 106642 | Day of the Doctor, The | (2013) |
| 4 | 1178 | Paths of Glory | (1957) |

| | genres | predicted_rating |
|---|------------------------|------------------|
| 0 | Drama | 4.805534 |
| 1 | Crime Drama | 4.789046 |
| 2 | Comedy Drama | 4.771123 |
| 3 | Adventure Drama Sci-Fi | 4.733702 |
| 4 | Drama War | 4.714607 |

Tops 5 Recommendations for User 563:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 1104 | Streetcar Named Desire, A | (1951) |
| 1 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | |
| 2 | 2202 | Lifeboat | (1944) |
| 3 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 4 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama | 4.266082 |
| 1 | Comedy Crime Drama Thriller | 4.171819 |
| 2 | Drama War | 4.171537 |
| 3 | Action Animation Drama Fantasy Sci-Fi | 4.160585 |
| 4 | Crime Drama | 4.158480 |

Tops 5 Recommendations for User 564:

| | movieId | title \ |
|---|---------|---|
| 0 | 1104 | Streetcar Named Desire, A (1951) |
| 1 | 1178 | Paths of Glory (1957) |
| 2 | 116897 | Wild Tales (2014) |
| 3 | 2202 | Lifeboat (1944) |
| 4 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama | 4.508343 |
| 1 | Drama War | 4.502257 |
| 2 | Comedy Drama Thriller | 4.449016 |
| 3 | Drama War | 4.428923 |
| 4 | Action Animation Drama Fantasy Sci-Fi | 4.424924 |

Tops 5 Recommendations for User 565:

| | movieId | title \ |
|---|---------|---|
| 0 | 1178 | Paths of Glory (1957) |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 2 | 2202 | Lifeboat (1944) |
| 3 | 1104 | Streetcar Named Desire, A (1951) |
| 4 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.614853 |
| 1 | Crime Drama | 4.593841 |
| 2 | Drama War | 4.554441 |
| 3 | Drama | 4.540292 |
| 4 | Action Animation Drama Fantasy Sci-Fi | 4.516720 |

Tops 5 Recommendations for User 566:

| | movieId | title | genres \ |
|---|---------|--|--------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 1 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 2 | 3451 | Guess Who's Coming to Dinner (1967) | Drama |
| 3 | 3200 | Last Detail, The (1973) | Comedy Drama |
| 4 | 176 | Living in Oblivion (1995) | Comedy |

| | predicted_rating |
|---|------------------|
| 0 | 4.627124 |
| 1 | 4.435097 |
| 2 | 4.428961 |
| 3 | 4.415048 |
| 4 | 4.408593 |

Tops 5 Recommendations for User 567:

| | movieId | title | genres \ |
|---|---------|--------------------------------|-----------------------------|
| 0 | 6460 | Trial, The (Procès, Le) (1962) | Drama |
| 1 | 106642 | Day of the Doctor, The (2013) | Adventure Drama Sci-Fi |
| 2 | 2959 | Fight Club (1999) | Action Crime Drama Thriller |
| 3 | 1836 | Last Days of Disco, The (1998) | Comedy Drama |
| 4 | 599 | Wild Bunch, The (1969) | Adventure Western |

| | predicted_rating |
|---|------------------|
| 0 | 3.615789 |
| 1 | 3.570148 |
| 2 | 3.495103 |
| 3 | 3.488178 |
| 4 | 3.469420 |

Tops 5 Recommendations for User 568:

| | movieId | title \ |
|---|---------|-----------------------|
| 0 | 2202 | Lifeboat (1944) |
| 1 | 1178 | Paths of Glory (1957) |
| 2 | 1248 | Touch of Evil (1958) |

3 177593 Three Billboards Outside Ebbing, Missouri (2017)
4 318 Shawshank Redemption, The (1994)

| | genres | predicted_rating |
|---|--------------------------|------------------|
| 0 | Drama War | 4.749659 |
| 1 | Drama War | 4.722242 |
| 2 | Crime Film-Noir Thriller | 4.715070 |
| 3 | Crime Drama | 4.700144 |
| 4 | Crime Drama | 4.674641 |

Tops 5 Recommendations for User 569:

| | movieId | title \ |
|---|---------|--|
| 0 | 1178 | Paths of Glory (1957) |
| 1 | 54190 | Across the Universe (2007) |
| 2 | 3451 | Guess Who's Coming to Dinner (1967) |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 4 | 8132 | Gladiator (1992) |

| | genres | predicted_rating |
|---|-------------------------------|------------------|
| 0 | Drama War | 4.815881 |
| 1 | Drama Fantasy Musical Romance | 4.794859 |
| 2 | Drama | 4.776959 |
| 3 | Crime Drama | 4.776718 |
| 4 | Action Drama | 4.762977 |

Tops 5 Recommendations for User 570:

| | movieId | title \ |
|---|---------|---|
| 0 | 2202 | Lifeboat (1944) |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 2 | 43376 | Sophie Scholl: The Final Days (Sophie Scholl -... |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 4 | 1104 | Streetcar Named Desire, A (1951) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.134423 |
| 1 | Action Animation Drama Fantasy Sci-Fi | 4.088941 |
| 2 | Drama War | 4.085490 |
| 3 | Crime Drama | 4.076674 |
| 4 | Drama | 4.076627 |

Tops 5 Recommendations for User 571:

| | movieId | title \ |
|---|---------|---|
| 0 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 1 | 6666 | Discreet Charm of the Bourgeoisie, The (Charme... |
| 2 | 1104 | Streetcar Named Desire, A (1951) |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 4 | 87234 | Submarine (2010) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Action Animation Drama Fantasy Sci-Fi | 3.843771 |
| 1 | Comedy Drama Fantasy | 3.834335 |
| 2 | Drama | 3.818840 |
| 3 | Crime Drama | 3.791278 |
| 4 | Comedy Drama Romance | 3.780447 |

Tops 5 Recommendations for User 572:

| | movieId | title \ |
|---|---------|---|
| 0 | 1178 | Paths of Glory (1957) |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 2 | 4642 | Hedwig and the Angry Inch (2000) |
| 3 | 1104 | Streetcar Named Desire, A (1951) |
| 4 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.921485 |
| 1 | Action Animation Drama Fantasy Sci-Fi | 4.874229 |
| 2 | Comedy Drama Musical | 4.858575 |
| 3 | Drama | 4.827013 |
| 4 | Crime Drama | 4.774518 |

Tops 5 Recommendations for User 573:

| | movieId | title \ |
|--|---------|---------|
|--|---------|---------|

| | | |
|---|--------|---|
| 0 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 2 | 3019 | Drugstore Cowboy (1989) |
| 3 | 148881 | World of Tomorrow (2015) |
| 4 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Comedy Crime Drama Thriller | 4.942814 |
| 1 | Crime Drama | 4.934439 |
| 2 | Crime Drama | 4.910233 |
| 3 | Animation Comedy | 4.899610 |
| 4 | Action Animation Drama Fantasy Sci-Fi | 4.884280 |

Tops 5 Recommendations for User 574:

| | movieId | title | genres \ |
|---|---------|--|--------------|
| 0 | 1217 | Ran (1985) | Drama War |
| 1 | 8132 | Gladiator (1992) | Action Drama |
| 2 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 3 | 3451 | Guess Who's Coming to Dinner (1967) | Drama |
| 4 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.896439 |
| 1 | 4.861557 |
| 2 | 4.833639 |
| 3 | 4.827604 |
| 4 | 4.809455 |

Tops 5 Recommendations for User 575:

| | movieId | title | genres \ |
|---|---------|-------------------------------------|----------------------|
| 0 | 2202 | Lifeboat (1944) | Drama War |
| 1 | 3019 | Drugstore Cowboy (1989) | Crime Drama |
| 2 | 1178 | Paths of Glory (1957) | Drama War |
| 3 | 3451 | Guess Who's Coming to Dinner (1967) | Drama |
| 4 | 1236 | Trust (1990) | Comedy Drama Romance |

| | predicted_rating |
|---|------------------|
| 0 | 4.558281 |
| 1 | 4.490577 |
| 2 | 4.470640 |
| 3 | 4.398424 |
| 4 | 4.365184 |

Tops 5 Recommendations for User 576:

| | movieId | title | genres \ |
|---|---------|---|----------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 1 | 1178 | Paths of Glory (1957) | Drama War |
| 2 | 905 | It Happened One Night (1934) | Comedy Romance |
| 3 | 1217 | Ran (1985) | Drama War |
| 4 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | Drama Romance |

| | predicted_rating |
|---|------------------|
| 0 | 4.258590 |
| 1 | 4.247391 |
| 2 | 4.218081 |
| 3 | 4.212821 |
| 4 | 4.210468 |

Tops 5 Recommendations for User 577:

| | movieId | title \ |
|---|---------|---|
| 0 | 2202 | Lifeboat (1944) |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 2 | 1178 | Paths of Glory (1957) |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 4 | 246 | Hoop Dreams (1994) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.413870 |
| 1 | Action Animation Drama Fantasy Sci-Fi | 4.295242 |
| 2 | Drama War | 4.267198 |
| 3 | Crime Drama | 4.254266 |
| 4 | Documentary | 4.251530 |

Tops 5 Recommendations for User 578:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 1 | 1104 | Streetcar Named Desire, A | (1951) |
| 2 | 1178 | Paths of Glory | (1957) |
| 3 | 3200 | Last Detail, The | (1973) |
| 4 | 2959 | Fight Club | (1999) |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Crime Drama | 4.907749 |
| 1 | Drama | 4.839642 |
| 2 | Drama War | 4.823812 |
| 3 | Comedy Drama | 4.811612 |
| 4 | Action Crime Drama Thriller | 4.798494 |

Tops 5 Recommendations for User 579:

| | movieId | | title | genres \ |
|---|---------|---|--------|--------------|
| 0 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 1 | 6460 | Trial, The (Procès, Le) | (1962) | Drama |
| 2 | 142488 | Spotlight | (2015) | Thriller |
| 3 | 3200 | Last Detail, The | (1973) | Comedy Drama |
| 4 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.923193 |
| 1 | 4.920065 |
| 2 | 4.889528 |
| 3 | 4.864448 |
| 4 | 4.853909 |

Tops 5 Recommendations for User 580:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 2239 | Swept Away (Travolti da un insolito destino ne... | |
| 1 | 65642 | Timecrimes (Cronocrímenes, Los) | (2007) |
| 2 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | |
| 3 | 1041 | Secrets & Lies | (1996) |
| 4 | 741 | Ghost in the Shell (Kôkaku kidôtai) | (1995) |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Comedy Drama | 4.429799 |
| 1 | Sci-Fi Thriller | 4.325095 |
| 2 | Comedy Crime Drama Thriller | 4.316632 |
| 3 | Drama | 4.312837 |
| 4 | Animation Sci-Fi | 4.307365 |

Tops 5 Recommendations for User 581:

| | movieId | | title | genres \ |
|---|---------|---|--------|-------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 2 | 3451 | Guess Who's Coming to Dinner | (1967) | Drama |
| 3 | 6460 | Trial, The (Procès, Le) | (1962) | Drama |
| 4 | 2202 | Lifeboat | (1944) | Drama War |

| | predicted_rating |
|---|------------------|
| 0 | 4.802625 |
| 1 | 4.795833 |
| 2 | 4.794696 |
| 3 | 4.773161 |
| 4 | 4.737006 |

Tops 5 Recommendations for User 582:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 1 | 1104 | Streetcar Named Desire, A | (1951) |
| 2 | 2202 | Lifeboat | (1944) |
| 3 | 106642 | Day of the Doctor, The | (2013) |
| 4 | 7121 | Adam's Rib | (1949) |

| | genres | predicted_rating |
|---|-------------|------------------|
| 0 | Crime Drama | 4.611760 |
| 1 | Drama | 4.539343 |

| | | | |
|---|------------------------|-----------|----------|
| 2 | | Drama War | 4.533706 |
| 3 | Adventure Drama Sci-Fi | | 4.496516 |
| 4 | Comedy Romance | | 4.494737 |

Tops 5 Recommendations for User 583:

| | movieId | | title \ |
|---|---------|---|----------------------|
| 0 | 26810 | | Bad Boy Bubby (1993) |
| 1 | 1104 | Streetcar Named Desire, A | (1951) |
| 2 | 2202 | | Lifeboat (1944) |
| 3 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | |
| 4 | 5747 | | Gallipoli (1981) |

| | genres | predicted_rating |
|---|-----------------------------|------------------|
| 0 | Drama | 4.251661 |
| 1 | Drama | 4.215914 |
| 2 | Drama War | 4.171217 |
| 3 | Comedy Crime Drama Thriller | 4.143085 |
| 4 | Drama War | 4.111237 |

Tops 5 Recommendations for User 584:

| | movieId | | title \ |
|---|---------|---|-------------------------|
| 0 | 159817 | | Planet Earth (2006) |
| 1 | 89759 | Separation, A (Jodaeiye Nader az Simin) | (2011) |
| 2 | 3200 | | Last Detail, The (1973) |
| 3 | 124404 | Snowflake, the White Gorilla | (2011) |
| 4 | 8477 | | Jetée, La (1962) |

| | genres | predicted_rating |
|---|-------------------------------------|------------------|
| 0 | Documentary | 4.937861 |
| 1 | Drama | 4.921369 |
| 2 | Comedy Drama | 4.912733 |
| 3 | Adventure Animation Children Comedy | 4.902894 |
| 4 | Romance Sci-Fi | 4.901418 |

Tops 5 Recommendations for User 585:

| | movieId | | title \ |
|---|---------|---|-----------------------|
| 0 | 1104 | Streetcar Named Desire, A | (1951) |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 2 | 3451 | Guess Who's Coming to Dinner | (1967) |
| 3 | 1178 | | Paths of Glory (1957) |
| 4 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama | 4.925880 |
| 1 | Crime Drama | 4.886166 |
| 2 | Drama | 4.834353 |
| 3 | Drama War | 4.811567 |
| 4 | Action Animation Drama Fantasy Sci-Fi | 4.797180 |

Tops 5 Recommendations for User 586:

| | movieId | title | genres | predicted_rating |
|---|---------|-------------------------------------|-----------|------------------|
| 0 | 1104 | Streetcar Named Desire, A (1951) | Drama | 5 |
| 1 | 1178 | Paths of Glory (1957) | Drama War | 5 |
| 2 | 2202 | Lifeboat (1944) | Drama War | 5 |
| 3 | 3451 | Guess Who's Coming to Dinner (1967) | Drama | 5 |
| 4 | 6460 | Trial, The (Procès, Le) (1962) | Drama | 5 |

Tops 5 Recommendations for User 587:

| | movieId | title | genres \ |
|---|---------|------------------------------------|----------------|
| 0 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 1 | 159817 | Planet Earth (2006) | Documentary |
| 2 | 1217 | Ran (1985) | Drama War |
| 3 | 7121 | Adam's Rib (1949) | Comedy Romance |
| 4 | 2131 | Autumn Sonata (Höstsonaten) (1978) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.841625 |
| 1 | 4.713094 |
| 2 | 4.690305 |
| 3 | 4.685530 |
| 4 | 4.681366 |

Tops 5 Recommendations for User 588:

| | movieId | | title | genres | predicted_rating |
|---|---------|---------------------------|-----------------------|-------------|------------------|
| 0 | 1178 | | Paths of Glory (1957) | Drama War | 4.303973 |
| 1 | 858 | | Godfather, The (1972) | Crime Drama | 4.217902 |
| 2 | 162 | | Crumb (1994) | Documentary | 4.203016 |
| 3 | 6460 | Trial, The (Procès, Le) | (1962) | Drama | 4.186963 |
| 4 | 2360 | Celebration, The (Festen) | (1998) | Drama | 4.177935 |

Tops 5 Recommendations for User 589:

| | movieId | | title \ | | genres | predicted_rating |
|---|---------|---|-------------------------------------|--|---------------------------------------|------------------|
| 0 | 7121 | | Adam's Rib (1949) | | | |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | | | |
| 2 | 8477 | | Jetée, La (1962) | | | |
| 3 | 3451 | | Guess Who's Coming to Dinner (1967) | | | |
| 4 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | | | | |
| | | | | | genres | predicted_rating |
| 0 | | | | | Comedy Romance | 4.695152 |
| 1 | | | | | Crime Drama | 4.684767 |
| 2 | | | | | Romance Sci-Fi | 4.667590 |
| 3 | | | | | Drama | 4.640732 |
| 4 | | | | | Action Animation Drama Fantasy Sci-Fi | 4.627856 |

Tops 5 Recommendations for User 590:

| | movieId | | title \ | | genres | predicted_rating |
|---|---------|---|----------------------------------|--|---------------------------------------|------------------|
| 0 | 1178 | | Paths of Glory (1957) | | | |
| 1 | 1104 | | Streetcar Named Desire, A (1951) | | | |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | | | |
| 3 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | | | | |
| 4 | 1217 | | Ran (1985) | | | |
| | | | | | genres | predicted_rating |
| 0 | | | | | Drama War | 4.235382 |
| 1 | | | | | Drama | 4.181734 |
| 2 | | | | | Crime Drama | 4.171860 |
| 3 | | | | | Action Animation Drama Fantasy Sci-Fi | 4.164656 |
| 4 | | | | | Drama War | 4.139284 |

Tops 5 Recommendations for User 591:

| | movieId | | title \ | | genres | predicted_rating |
|---|---------|---|--------------------------------------|--|---------------------------------------|------------------|
| 0 | 3200 | | Last Detail, The (1973) | | | |
| 1 | 3451 | | Guess Who's Coming to Dinner (1967) | | | |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | | | |
| 3 | 1250 | | Bridge on the River Kwai, The (1957) | | | |
| 4 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | | | | |
| | | | | | genres | predicted_rating |
| 0 | | | | | Comedy Drama | 4.203553 |
| 1 | | | | | Drama | 4.159014 |
| 2 | | | | | Crime Drama | 4.147680 |
| 3 | | | | | Adventure Drama War | 4.095890 |
| 4 | | | | | Action Animation Drama Fantasy Sci-Fi | 4.092409 |

Tops 5 Recommendations for User 592:

| | movieId | | title \ | | genres | predicted_rating |
|---|---------|---|-------------------------------------|--|-----------------------------|------------------|
| 0 | 2202 | | Lifeboat (1944) | | | |
| 1 | 5500 | | Top Secret! (1984) | | | |
| 2 | 3451 | | Guess Who's Coming to Dinner (1967) | | | |
| 3 | 51931 | | Reign Over Me (2007) | | | |
| 4 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | | | | |
| | | | | | genres | predicted_rating |
| 0 | | | | | Drama War | 4.687410 |
| 1 | | | | | Comedy | 4.682401 |
| 2 | | | | | Drama | 4.661436 |
| 3 | | | | | Drama | 4.632915 |
| 4 | | | | | Comedy Crime Drama Thriller | 4.630780 |

Tops 5 Recommendations for User 593:

| | movieId | | title \ | | genres | predicted_rating |
|---|---------|---|-----------------------|--|--------|------------------|
| 0 | 1178 | | Paths of Glory (1957) | | | |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | | | | |

| | | |
|---|------|--|
| 2 | 3083 | All About My Mother (Todo sobre mi madre) (1999) |
| 3 | 2202 | Lifeboat (1944) |
| 4 | 1248 | Touch of Evil (1958) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.411668 |
| 1 | Action Animation Drama Fantasy Sci-Fi | 4.206865 |
| 2 | Drama | 4.188815 |
| 3 | Drama War | 4.156010 |
| 4 | Crime Film-Noir Thriller | 4.152195 |

Tops 5 Recommendations for User 594:

| | movieId | title \ |
|---|---------|---|
| 0 | 114935 | Predestination (2014) |
| 1 | 3341 | Born Yesterday (1950) |
| 2 | 930 | Notorious (1946) |
| 3 | 54190 | Across the Universe (2007) |
| 4 | 74668 | District 13: Ultimatum (Banlieue 13 - Ultimatu... |

| | genres | predicted_rating |
|---|--------------------------------|------------------|
| 0 | Action Mystery Sci-Fi Thriller | 4.895833 |
| 1 | Comedy | 4.885811 |
| 2 | Film-Noir Romance Thriller | 4.880570 |
| 3 | Drama Fantasy Musical Romance | 4.873127 |
| 4 | Action Sci-Fi | 4.864429 |

Tops 5 Recommendations for User 595:

| | movieId | title \ |
|---|---------|---|
| 0 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) |
| 3 | 1104 | Streetcar Named Desire, A (1951) |
| 4 | 905 | It Happened One Night (1934) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama Romance | 5.000000 |
| 1 | Action Animation Drama Fantasy Sci-Fi | 5.000000 |
| 2 | Crime Drama | 5.000000 |
| 3 | Drama | 4.994709 |
| 4 | Comedy Romance | 4.990355 |

Tops 5 Recommendations for User 596:

| | movieId | title | genres \ |
|---|---------|--|-------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | Crime Drama |
| 1 | 2202 | Lifeboat (1944) | Drama War |
| 2 | 1178 | Paths of Glory (1957) | Drama War |
| 3 | 1104 | Streetcar Named Desire, A (1951) | Drama |
| 4 | 6460 | Trial, The (Procès, Le) (1962) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.329993 |
| 1 | 4.329933 |
| 2 | 4.296331 |
| 3 | 4.284662 |
| 4 | 4.266346 |

Tops 5 Recommendations for User 597:

| | movieId | title \ |
|---|---------|---|
| 0 | 27156 | Neon Genesis Evangelion: The End of Evangelion... |
| 1 | 1178 | Paths of Glory (1957) |
| 2 | 1104 | Streetcar Named Desire, A (1951) |
| 3 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... |
| 4 | 2202 | Lifeboat (1944) |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Action Animation Drama Fantasy Sci-Fi | 4.939059 |
| 1 | Drama War | 4.920053 |
| 2 | Drama | 4.902976 |
| 3 | Comedy Crime Drama Thriller | 4.890289 |
| 4 | Drama War | 4.860453 |

Tops 5 Recommendations for User 598:

| | movieId | | title \ |
|---|---------|---|-------------------------|
| 0 | 142422 | | The Night Before (2015) |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | |
| 2 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 3 | 1104 | Streetcar Named Desire, A | (1951) |
| 4 | 26810 | Bad Boy Bubby | (1993) |

| | | genres | predicted_rating |
|---|---------------------------------------|--------|------------------|
| 0 | | Comedy | 4.391430 |
| 1 | Action Animation Drama Fantasy Sci-Fi | | 4.317043 |
| 2 | Crime Drama | | 4.287478 |
| 3 | Drama | | 4.245411 |
| 4 | Drama | | 4.245311 |

Tops 5 Recommendations for User 599:

| | movieId | | title | genres \ |
|---|---------|---|--------|-------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 1 | 1217 | Ran | (1985) | Drama War |
| 2 | 2202 | Lifeboat | (1944) | Drama War |
| 3 | 6460 | Trial, The (Procès, Le) | (1962) | Drama |
| 4 | 2360 | Celebration, The (Festen) | (1998) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 3.717369 |
| 1 | 3.691173 |
| 2 | 3.663075 |
| 3 | 3.613768 |
| 4 | 3.606648 |

Tops 5 Recommendations for User 600:

| | movieId | | title \ |
|---|---------|---|---------|
| 0 | 2202 | Lifeboat | (1944) |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) |
| 2 | 3200 | Last Detail, The | (1973) |
| 3 | 6460 | Trial, The (Procès, Le) | (1962) |
| 4 | 89904 | The Artist | (2011) |

| | | genres | predicted_rating |
|---|----------------------|--------|------------------|
| 0 | Drama War | | 4.108717 |
| 1 | Crime Drama | | 4.062524 |
| 2 | Comedy Drama | | 3.970849 |
| 3 | Drama | | 3.967913 |
| 4 | Comedy Drama Romance | | 3.967852 |

Tops 5 Recommendations for User 601:

| | movieId | | title | genres \ |
|---|---------|---|--------|-------------|
| 0 | 2202 | Lifeboat | (1944) | Drama War |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 2 | 1217 | Ran | (1985) | Drama War |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 4 | 1237 | Seventh Seal, The (Sjunde inseglet, Det) | (1957) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.857864 |
| 1 | 4.845782 |
| 2 | 4.842091 |
| 3 | 4.818820 |
| 4 | 4.818552 |

Tops 5 Recommendations for User 602:

| | movieId | | title | genres \ |
|---|---------|---|--------|-------------|
| 0 | 5500 | Top Secret! | (1984) | Comedy |
| 1 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama |
| 2 | 2202 | Lifeboat | (1944) | Drama War |
| 3 | 1104 | Streetcar Named Desire, A | (1951) | Drama |
| 4 | 6460 | Trial, The (Procès, Le) | (1962) | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.332010 |
| 1 | 4.294555 |
| 2 | 4.287345 |
| 3 | 4.279235 |

Tops 5 Recommendations for User 603:

| | movieId | | title \ |
|---|---------|---|-----------------------|
| 0 | 8477 | | Jetée, La (1962) |
| 1 | 3266 | Man Bites Dog (C'est arrivé près de chez vous)... | |
| 2 | 25771 | Andalusian Dog, An (Chien andalou, Un) (1929) | |
| 3 | 3030 | | Yojimbo (1961) |
| 4 | 2138 | | Watership Down (1978) |

| | genres | predicted_rating |
|---|--|------------------|
| 0 | Romance Sci-Fi | 4.466864 |
| 1 | Comedy Crime Drama Thriller | 4.416031 |
| 2 | Fantasy | 4.353677 |
| 3 | Action Adventure | 4.331477 |
| 4 | Adventure Animation Children Drama Fantasy | 4.318364 |

Tops 5 Recommendations for User 604:

| | movieId | | title | genres \ |
|---|---------|--|------------|-------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | | Crime Drama |
| 1 | 1217 | | Ran (1985) | Drama War |
| 2 | 3451 | Guess Who's Coming to Dinner (1967) | | Drama |
| 3 | 2360 | Celebration, The (Festen) (1998) | | Drama |
| 4 | 6460 | Trial, The (Procès, Le) (1962) | | Drama |

| | predicted_rating |
|---|------------------|
| 0 | 4.579865 |
| 1 | 4.495245 |
| 2 | 4.487331 |
| 3 | 4.485196 |
| 4 | 4.474023 |

Tops 5 Recommendations for User 605:

| | movieId | | title \ |
|---|---------|---|-------------------------|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | |
| 1 | 106642 | Day of the Doctor, The (2013) | |
| 2 | 7008 | Last Tango in Paris (Ultimo tango a Parigi) (1... | |
| 3 | 1178 | | Paths of Glory (1957) |
| 4 | 3200 | | Last Detail, The (1973) |

| | genres | predicted_rating |
|---|------------------------|------------------|
| 0 | Crime Drama | 4.295524 |
| 1 | Adventure Drama Sci-Fi | 4.224499 |
| 2 | Drama Romance | 4.186603 |
| 3 | Drama War | 4.182658 |
| 4 | Comedy Drama | 4.177248 |

Tops 5 Recommendations for User 606:

| | movieId | | title \ |
|---|---------|--|-----------------------|
| 0 | 1178 | | Paths of Glory (1957) |
| 1 | 2202 | | Lifeboat (1944) |
| 2 | 1104 | Streetcar Named Desire, A (1951) | |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri (2017) | |
| 4 | 1248 | | Touch of Evil (1958) |

| | genres | predicted_rating |
|---|--------------------------|------------------|
| 0 | Drama War | 4.574115 |
| 1 | Drama War | 4.554610 |
| 2 | Drama | 4.545495 |
| 3 | Crime Drama | 4.522581 |
| 4 | Crime Film-Noir Thriller | 4.459879 |

Tops 5 Recommendations for User 607:

| | movieId | | title | genres \ |
|---|---------|----------------------------------|-------|-------------------------|
| 0 | 7121 | Adam's Rib (1949) | | Comedy Romance |
| 1 | 1041 | Secrets & Lies (1996) | | Drama |
| 2 | 142488 | Spotlight (2015) | | Thriller |
| 3 | 1104 | Streetcar Named Desire, A (1951) | | Drama |
| 4 | 1284 | Big Sleep, The (1946) | | Crime Film-Noir Mystery |

| | predicted_rating |
|---|------------------|
| 0 | 4.725365 |

| | |
|---|----------|
| 1 | 4.647230 |
| 2 | 4.646018 |
| 3 | 4.617356 |
| 4 | 4.616803 |

Tops 5 Recommendations for User 608:

| | movieId | | title | genres | \ |
|---|---------|---|----------------------------------|--------------|---|
| 0 | 6460 | | Trial, The (Procès, Le) (1962) | Drama | |
| 1 | 3200 | | Last Detail, The (1973) | Comedy Drama | |
| 2 | 2360 | | Celebration, The (Festen) (1998) | Drama | |
| 3 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 4 | 2239 | Swept Away (Travolti da un insolito destino ne... | | Comedy Drama | |

| | predicted_rating |
|---|------------------|
| 0 | 4.264393 |
| 1 | 4.184646 |
| 2 | 4.182265 |
| 3 | 4.169155 |
| 4 | 4.168546 |

Tops 5 Recommendations for User 609:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 1178 | Paths of Glory | (1957) | Drama War | |
| 3 | 2202 | Lifeboat | (1944) | Drama War | |
| 4 | 6460 | Trial, The (Procès, Le) | (1962) | Drama | |

| | predicted_rating |
|---|------------------|
| 0 | 4.297921 |
| 1 | 4.244251 |
| 2 | 4.204559 |
| 3 | 4.199820 |
| 4 | 4.179265 |

Tops 5 Recommendations for User 610:

| | movieId | | title | \ |
|---|---------|---|-----------------------|---|
| 0 | 1217 | | Ran (1985) | |
| 1 | 27156 | Neon Genesis Evangelion: The End of Evangelion... | | |
| 2 | 2202 | | Lifeboat (1944) | |
| 3 | 1178 | | Paths of Glory (1957) | |
| 4 | 1104 | Streetcar Named Desire, A | (1951) | |

| | genres | predicted_rating |
|---|---------------------------------------|------------------|
| 0 | Drama War | 4.606156 |
| 1 | Action Animation Drama Fantasy Sci-Fi | 4.601495 |
| 2 | Drama War | 4.549317 |
| 3 | Drama War | 4.518942 |
| 4 | Drama | 4.507667 |

Tops 5 Recommendations for User 611:

| | movieId | | title | genres | \ |
|---|---------|---|-----------------------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | | Lifeboat (1944) | Drama War | |
| 3 | 1178 | | Paths of Glory (1957) | Drama War | |
| 4 | 1217 | | Ran (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 612:

| | movieId | | title | genres | \ |
|---|---------|---|-----------------------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | | Lifeboat (1944) | Drama War | |
| 3 | 1178 | | Paths of Glory (1957) | Drama War | |
| 4 | 1217 | | Ran (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 613:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 614:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 615:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 616:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 617:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |

| | | | | |
|---|------|----------------|--------|-----------|
| 2 | 2202 | Lifeboat | (1944) | Drama War |
| 3 | 1178 | Paths of Glory | (1957) | Drama War |
| 4 | 1217 | Ran | (1985) | Drama War |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 618:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 619:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 620:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 621:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 622:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 623:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 624:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 625:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 626:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |

4 4.355628

Tops 5 Recommendations for User 627:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 628:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 629:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 630:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 631:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |

| | |
|---|----------|
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 632:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 633:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 634:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 635:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 636:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 637:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 638:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 639:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 640:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 641:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |

| | | | | |
|---|------|----------------|--------|-----------|
| 2 | 2202 | Lifeboat | (1944) | Drama War |
| 3 | 1178 | Paths of Glory | (1957) | Drama War |
| 4 | 1217 | Ran | (1985) | Drama War |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 642:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 643:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 644:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 645:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 646:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 647:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 648:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 649:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 650:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |

4 4.355628

Tops 5 Recommendations for User 651:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 652:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 653:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 654:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 655:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |

| | |
|---|----------|
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 656:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 657:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 658:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 659:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 660:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

```
    predicted_rating
0      4.410532
1      4.399047
2      4.388618
3      4.379018
4      4.355628
```

Tops 5 Recommendations for User 661:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

```
    predicted_rating
0      4.410532
1      4.399047
2      4.388618
3      4.379018
4      4.355628
```

Tops 5 Recommendations for User 662:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

```
    predicted_rating
0      4.410532
1      4.399047
2      4.388618
3      4.379018
4      4.355628
```

Tops 5 Recommendations for User 663:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

```
    predicted_rating
0      4.410532
1      4.399047
2      4.388618
3      4.379018
4      4.355628
```

Tops 5 Recommendations for User 664:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

```
    predicted_rating
0      4.410532
1      4.399047
2      4.388618
3      4.379018
4      4.355628
```

Tops 5 Recommendations for User 665:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |

| | | | | |
|---|------|----------------|--------|-----------|
| 2 | 2202 | Lifeboat | (1944) | Drama War |
| 3 | 1178 | Paths of Glory | (1957) | Drama War |
| 4 | 1217 | Ran | (1985) | Drama War |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 666:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 667:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 668:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 669:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 670:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 671:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 672:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 673:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 674:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |

4 4.355628

Tops 5 Recommendations for User 675:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 676:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 677:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 678:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 679:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |

| | |
|---|----------|
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 680:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 681:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 682:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 683:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 684:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 685:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 686:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 687:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 688:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 689:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |

| | | | | |
|---|------|----------------|--------|-----------|
| 2 | 2202 | Lifeboat | (1944) | Drama War |
| 3 | 1178 | Paths of Glory | (1957) | Drama War |
| 4 | 1217 | Ran | (1985) | Drama War |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 690:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 691:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 692:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 693:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 694:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 695:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 696:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 697:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 698:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |

4 4.355628

Tops 5 Recommendations for User 699:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 700:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 701:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 702:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 703:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |

| | |
|---|----------|
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 704:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 705:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 706:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 707:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 708:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 709:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 710:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 711:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 712:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 713:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |

| | | | |
|---|------|-----------------------|-----------|
| 2 | 2202 | Lifeboat (1944) | Drama War |
| 3 | 1178 | Paths of Glory (1957) | Drama War |
| 4 | 1217 | Ran (1985) | Drama War |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 714:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 715:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 716:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 717:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 718:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 719:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 720:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 721:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 722:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |

4 4.355628

Tops 5 Recommendations for User 723:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 724:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 725:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 726:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 727:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |

| | |
|---|----------|
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 728:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 729:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 730:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 731:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 732:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 733:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 734:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 735:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 736:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 737:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |

| | | | | |
|---|------|----------------|--------|-----------|
| 2 | 2202 | Lifeboat | (1944) | Drama War |
| 3 | 1178 | Paths of Glory | (1957) | Drama War |
| 4 | 1217 | Ran | (1985) | Drama War |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 738:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 739:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 740:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 741:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 742:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 743:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 744:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 745:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 746:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |

4 4.355628

Tops 5 Recommendations for User 747:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 748:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 749:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 750:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 751:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |

| | |
|---|----------|
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 752:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 753:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 754:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 755:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 756:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 757:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 758:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 759:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 760:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 761:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |

| | | | | |
|---|------|----------------|--------|-----------|
| 2 | 2202 | Lifeboat | (1944) | Drama War |
| 3 | 1178 | Paths of Glory | (1957) | Drama War |
| 4 | 1217 | Ran | (1985) | Drama War |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 762:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 763:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 764:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 765:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 766:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 767:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 768:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 769:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 770:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |

4 4.355628

Tops 5 Recommendations for User 771:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 772:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 773:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 774:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 775:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |

| | |
|---|----------|
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 776:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 777:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 778:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 779:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 780:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 781:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 782:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 783:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 784:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 785:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |

| | | | | |
|---|------|----------------|--------|-----------|
| 2 | 2202 | Lifeboat | (1944) | Drama War |
| 3 | 1178 | Paths of Glory | (1957) | Drama War |
| 4 | 1217 | Ran | (1985) | Drama War |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 786:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 787:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 788:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 789:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 790:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 791:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 792:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 793:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 794:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |

4 4.355628

Tops 5 Recommendations for User 795:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 796:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 797:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 798:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 799:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |

| | |
|---|----------|
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 800:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 801:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 802:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 803:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 804:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 805:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 806:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 807:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 808:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 809:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |

| | | | | |
|---|------|----------------|--------|-----------|
| 2 | 2202 | Lifeboat | (1944) | Drama War |
| 3 | 1178 | Paths of Glory | (1957) | Drama War |
| 4 | 1217 | Ran | (1985) | Drama War |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 810:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 811:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 812:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 813:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 814:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 815:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 816:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 817:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 818:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |

4 4.355628

Tops 5 Recommendations for User 819:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 820:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 821:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 822:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 823:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |

| | |
|---|----------|
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 824:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 825:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 826:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 827:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 828:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 829:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 830:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 831:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 832:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 833:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |

| | | | | |
|---|------|----------------|--------|-----------|
| 2 | 2202 | Lifeboat | (1944) | Drama War |
| 3 | 1178 | Paths of Glory | (1957) | Drama War |
| 4 | 1217 | Ran | (1985) | Drama War |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 834:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 835:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 836:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 837:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 838:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 839:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 840:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 841:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 842:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |

4 4.355628

Tops 5 Recommendations for User 843:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 844:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 845:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 846:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 847:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |

| | |
|---|----------|
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 848:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 849:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 850:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 851:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 852:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 853:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 854:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 855:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 856:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 857:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |

| | | | | |
|---|------|----------------|--------|-----------|
| 2 | 2202 | Lifeboat | (1944) | Drama War |
| 3 | 1178 | Paths of Glory | (1957) | Drama War |
| 4 | 1217 | Ran | (1985) | Drama War |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 858:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 859:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 860:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 861:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 862:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 863:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 864:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 865:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 866:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |

4 4.355628

Tops 5 Recommendations for User 867:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 868:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 869:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 870:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 871:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |

| | |
|---|----------|
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 872:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 873:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 874:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 875:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 876:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 877:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 878:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 879:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 880:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 881:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |

| | | | | |
|---|------|----------------|--------|-----------|
| 2 | 2202 | Lifeboat | (1944) | Drama War |
| 3 | 1178 | Paths of Glory | (1957) | Drama War |
| 4 | 1217 | Ran | (1985) | Drama War |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 882:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 883:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 884:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 885:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 886:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 887:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 888:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 889:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 890:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |

4 4.355628

Tops 5 Recommendations for User 891:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 892:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 893:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 894:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 895:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |

| | |
|---|----------|
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 896:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 897:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 898:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 899:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 900:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 901:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 902:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 903:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 904:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 905:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |

| | | | | |
|---|------|----------------|--------|-----------|
| 2 | 2202 | Lifeboat | (1944) | Drama War |
| 3 | 1178 | Paths of Glory | (1957) | Drama War |
| 4 | 1217 | Ran | (1985) | Drama War |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 906:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 907:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 908:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 909:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 910:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 911:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 912:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 913:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 914:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |

4 4.355628

Tops 5 Recommendations for User 915:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 916:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 917:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 918:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 919:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |

| | |
|---|----------|
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 920:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 921:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 922:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 923:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 924:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 925:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 926:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 927:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 928:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 929:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |

| | | | |
|---|------|-----------------------|-----------|
| 2 | 2202 | Lifeboat (1944) | Drama War |
| 3 | 1178 | Paths of Glory (1957) | Drama War |
| 4 | 1217 | Ran (1985) | Drama War |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 930:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 931:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 932:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 933:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 934:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 935:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 936:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 937:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 938:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |

4 4.355628

Tops 5 Recommendations for User 939:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 940:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 941:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 942:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 943:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |

| | |
|---|----------|
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 944:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 945:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 946:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 947:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 948:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 949:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 950:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 951:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 952:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 953:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |

| | | | |
|---|------|-----------------------|-----------|
| 2 | 2202 | Lifeboat (1944) | Drama War |
| 3 | 1178 | Paths of Glory (1957) | Drama War |
| 4 | 1217 | Ran (1985) | Drama War |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 954:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 955:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 956:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 957:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 958:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 959:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 960:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 961:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 962:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |

4 4.355628

Tops 5 Recommendations for User 963:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 964:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 965:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 966:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 967:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |

| | |
|---|----------|
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 968:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 969:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 970:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 971:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 972:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 973:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 974:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 975:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 976:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 977:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |

| | | | | |
|---|------|----------------|--------|-----------|
| 2 | 2202 | Lifeboat | (1944) | Drama War |
| 3 | 1178 | Paths of Glory | (1957) | Drama War |
| 4 | 1217 | Ran | (1985) | Drama War |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 978:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 979:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 980:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 981:

| | | | | | |
|---|---------|---|--------|-------------|---|
| | movieId | | title | genres | \ |
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | |
|---|------------------|
| | predicted_rating |
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 982:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 983:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 984:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 985:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 986:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |

4 4.355628

Tops 5 Recommendations for User 987:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 988:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 989:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 990:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 991:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |

| | |
|---|----------|
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 992:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 993:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 994:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 995:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

| | predicted_rating |
|---|------------------|
| 0 | 4.410532 |
| 1 | 4.399047 |
| 2 | 4.388618 |
| 3 | 4.379018 |
| 4 | 4.355628 |

Tops 5 Recommendations for User 996:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

```

predicted_rating
0      4.410532
1      4.399047
2      4.388618
3      4.379018
4      4.355628

```

Tops 5 Recommendations for User 997:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

```

predicted_rating
0      4.410532
1      4.399047
2      4.388618
3      4.379018
4      4.355628

```

Tops 5 Recommendations for User 998:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

```

predicted_rating
0      4.410532
1      4.399047
2      4.388618
3      4.379018
4      4.355628

```

Tops 5 Recommendations for User 999:

| | movieId | | title | genres | \ |
|---|---------|---|--------|-------------|---|
| 0 | 177593 | Three Billboards Outside Ebbing, Missouri | (2017) | Crime Drama | |
| 1 | 1104 | Streetcar Named Desire, A | (1951) | Drama | |
| 2 | 2202 | Lifeboat | (1944) | Drama War | |
| 3 | 1178 | Paths of Glory | (1957) | Drama War | |
| 4 | 1217 | Ran | (1985) | Drama War | |

```

predicted_rating
0      4.410532
1      4.399047
2      4.388618
3      4.379018
4      4.355628

```

The function provides a straightforward way to generate personalized recommendations for a user based on collaborative filtering using the trained SVD model.

The function tailors recommendations for specific users by predicting ratings for movies they have not rated.

Although this provides recommendations for active users. It does have a cold start issue, which we can improved through content-based filtering. Let's import TfidfVectorizer, and cosine_similarity libraries from sklearn.feature_extraction.text and sklearn.metrics.pairwise, respectively.

In [43]:

```

#fill the missing values in movie_df with empty strings
movies_df['genre'] = movies_df['genres'].fillna('')

#Instatiate TfidfVectorize, setting stop words to english
tfidf = TfidfVectorizer(stop_words='english')
#fit tfidf

```



```
tfidf_matrix = tfidf.fit_transform(movies_df['genres'])

#get the cosine similarity of the matrix
content_similarity = cosine_similarity(tfidf_matrix, tfidf_matrix)

#create a DF of the results
content_sim_df = pd.DataFrame(content_similarity, index=movies_df['movieId'], columns=movies_df['movieId'])

# Create a function that returns similar movies to the one that have been rated
def get_similar_movies(movie_id, top_n=5):
    similar_movies = content_sim_df[movie_id].sort_values(ascending=False).head(top_n + 1)
    similar_movies = similar_movies.iloc[1:] # Exclude the movie itself
    return movies_df[movies_df['movieId'].isin(similar_movies.index)][['movieId', 'title', 'genres']]

# Example usage
similar_movies = get_similar_movies(100, top_n=5)
# print(similar_movies)
similar_movies
```

Out[43]:

| | movieId | title | genres |
|------|---------|------------------------|---------------|
| 2010 | 2676 | Instinct (1999) | DramaThriller |
| 3160 | 4251 | Chopper (2000) | DramaThriller |
| 7722 | 90439 | Margin Call (2011) | DramaThriller |
| 9108 | 144714 | The Perfect Guy (2015) | DramaThriller |
| 9345 | 160954 | Nerve (2016) | DramaThriller |

Next, we will combine collaborative and content-based models using a weighted hybrid approach.

In [44]:

```
def hybrid_recommend(user_id, model, movies_df, ratings_df, top_n=5, weight_cf=0.7, weight_cb=0.3):
    """
    Generate hybrid recommendations by combining collaborative filtering
    and content-based filtering.

    Parameters:
        user_id (int): User ID for whom recommendations are generated.
        model (Surprise SVD): Trained collaborative filtering model.
        movies_df (pd.DataFrame): Movies DataFrame with metadata.
        ratings_df (pd.DataFrame): Ratings DataFrame.
        top_n (int): Number of recommendations to return.
        weight_cf (float): Weight for collaborative filtering.
        weight_cb (float): Weight for content-based filtering.

    Returns:
        pd.DataFrame: Top N hybrid recommendations.
    """
    # Step 1: Collaborative Filtering Predictions
    #get the unique movie IDs from the movie_df
    all_movie_ids = movies_df['movieId'].unique()
    #get the movieId based on the userId from the ratings_df
    rated_movies = ratings_df[ratings_df['userId'] == user_id]['movieId'].values
    #create a list of movies for all movies
    unrated_movies = [movie for movie in all_movie_ids if movie not in rated_movies]

    # Createa collaborative filtering list for predictions
    cf_predictions = []
    #loop through unrated_movies
    for movie_id in unrated_movies:
        #making predictions on the model
        pred = model.predict(user_id, movie_id).est
```

```

    #appending the results to cf_predicitons
    cf_predictions.append((movie_id, pred))
#create a DataFrame from the results, making movie ID and rating as columns
cf_df = pd.DataFrame(cf_predictions, columns=['movieId', 'cf_rating'])

# Step 2: Content-Based Predictions (Average of Similar Movies)
#create a list for content-based filtering results
cb_predictions = []
#loop through the unrated movies
for movie_id in unrated_movies:
    #Sort the top 5 movies
    similar_movies = content_sim_df[movie_id].sort_values(ascending=False).head(5 +
1).iloc[1:]
    #get the average movie rating
    avg_sim_rating = ratings_df[ratings_df['movieId'].isin(similar_movies.index)]['rating'].mean()
    #append the results
    cb_predictions.append((movie_id, avg_sim_rating))
#create a DataFrame from the results
cb_df = pd.DataFrame(cb_predictions, columns=['movieId', 'cb_rating'])

# Step 3: Combine Collaborative and Content-Based Ratings
combined_df = cf_df.merge(cb_df, on='movieId', how='inner')
combined_df['hybrid_rating'] = (
    weight_cf * combined_df['cf_rating'] + weight_cb * combined_df['cb_rating']
)

# Step 4: Get Top N Hybrid Recommendations
top_hybrid = combined_df.sort_values('hybrid_rating', ascending=False).head(top_n)
recommendations = top_hybrid.merge(movies_df, on='movieId', how='inner')

return recommendations[['movieId', 'title', 'genres', 'hybrid_rating']]

# Example usage:
user_id = 1
hybrid_recommendations = hybrid_recommend(user_id, model2, movies_df, ratings_df, top_n=
5)
print(hybrid_recommendations)

```

| | movieId | title | genres | hybrid_rating |
|---|---------|-----------------------|----------------------------|---------------|
| 0 | 246 | Hoop Dreams (1994) | Documentary | 4.717591 |
| 1 | 930 | Notorious (1946) | Film-Noir Romance Thriller | 4.709753 |
| 2 | 1217 | Ran (1985) | Drama War | 4.703947 |
| 3 | 1178 | Paths of Glory (1957) | Drama War | 4.703947 |
| 4 | 2202 | Lifeboat (1944) | Drama War | 4.703947 |

Evaluation

In [45]:

```

def evaluate_model(ratings_df, model):
    """
    Evaluate hybrid recommendation performance using RMSE.
    """
    #using list comprehension, we predict the userId and movieId on the ratings_df
    test_predictions = [
        model.predict(row['userId'], row['movieId']).est for _, row in ratings_df.iterrows()
    ]
    #Calculate the root mean squared error
    rmse = np.sqrt(mean_squared_error(ratings_df['rating'], test_predictions))
    return rmse

rmse = evaluate_model(ratings_df, model2)
print(f"Hybrid Model RMSE: {rmse}")

```

Hybrid Model RMSE: 0.6721433404055687

A score of 0.67 suggests that, on average, the model's predicted ratings are off by 0.67 points.

Compared to the baseline model prediction, the hybrid model reduces this error to 13.4% of the range. Representing a 28.7% improvement in prediction accuracy.

This indicates that the hybrid model significantly outperforms the baseline in terms of predictive accuracy.

In [46]:

```
# Evaluate RMSE for the collaborative filtering model
def evaluate_rmse(model, ratings_df):
    """
    Calculate RMSE for the collaborative filtering model.
    """
    predictions = []
    actuals = []

    for _, row in ratings_df.iterrows():
        user_id, movie_id, true_rating = row['userId'], row['movieId'], row['rating']
        pred_rating = model.predict(user_id, movie_id).est
        predictions.append(pred_rating)
        actuals.append(true_rating)

    rmse = np.sqrt(mean_squared_error(actuals, predictions))
    return rmse

# Precision@K and Recall@K
def precision_recall_at_k(user_id, recommendations, ratings_df, k=5):
    """
    Calculate Precision@K and Recall@K.
    """
    # Get movies the user has rated as relevant (e.g., rating >= 4)
    relevant_movies = ratings_df[(ratings_df['userId'] == user_id) & (ratings_df['rating']
    ''] >= 4)][['movieId']].values

    # Get recommended movies (top-K)
    recommended_movies = recommendations['movieId'].head(k).values

    # Calculate Precision@K
    hits = len(set(relevant_movies) & set(recommended_movies))
    precision = hits / k

    # Calculate Recall@K
    recall = hits / len(relevant_movies) if len(relevant_movies) > 0 else 0

    return precision, recall

# Example Usage: Evaluate hybrid recommendations for User 1
user_id = 1
recommendations = hybrid_recommend(user_id, model2, movies_df, ratings_df, top_n=10)

# precision, recall = precision_recall_at_k(user_id, recommendations, ratings_df, k=5)
# print(f"Precision@5: {precision}")
# print(f"Recall@5: {recall}")

# Calculate RMSE for the collaborative filtering model
rmse = evaluate_rmse(model2, ratings_df)
print(f"RMSE: {rmse}")
```

RMSE: 0.6721433404055687

In [47]:

```
# Example metrics calculation
user_id = 1
k = 5

# Assuming `recommendations`, `model2`, `movies_df`, and `ratings_df` are defined
recommendations = hybrid_recommend(user_id, model2, movies_df, ratings_df, top_n=10)
# precision, recall = precision_recall_at_k(user_id, recommendations, ratings_df, k=k)
rmse = evaluate_rmse(model2, ratings_df)

# Organize metrics into a DataFrame
```

```

metrics_df = pd.DataFrame({
    "Metric": ["RMSE"],
    "Value": [rmse]
})

# Save DataFrame to a CSV file
metrics_df.to_csv("model_evaluation_metrics.csv", index=False)

# Output the DataFrame to verify
print(metrics_df)

```

```

Metric      Value
0    RMSE    0.672143

```

Real-time recommendations

Let's test our model, by creating real-time user input function. If the user is a current user, we will make recommendations based on their previous rating history. If the user is a new user, we will make recommendations based on historical data, and ratings pertaining to certain genres.

In [49]:

```

# Real-time input for recommendations
def real_time_recommendation():
    """
    Generate recommendations based on real-time user input.
    """
    print("Welcome to the Movie Recommendation System!")
    user_id = int(input("Enter your User ID (or 0 for a new user): "))

    if user_id == 0:
        # For new users, ask for genre preferences
        print("\nIt looks like you're a new user! Please tell us your preferences.")
        genres = input("Enter your favorite genres (comma-separated, e.g., Action, Comedy): ").split(",")
        genres = [genre.strip() for genre in genres]

        # Filter movies by genres
        filtered_movies = movies_df[movies_df['genres'].apply(lambda x: any(genre in x for genre in genres))]
        print("\nBased on your preferences, here are some movie recommendations:")
        print(filtered_movies[['title', 'genres']].sample(5))
    else:
        # For existing users, use the hybrid recommendation system
        recommendations = hybrid_recommend(user_id, model2, movies_df, ratings_df, top_n=5)

        print("\nTop 5 personalized movie recommendations for you:")
        print(recommendations)

# Run real-time recommendation
real_time_recommendation()

```

Welcome to the Movie Recommendation System!

It looks like you're a new user! Please tell us your preferences.

Based on your preferences, here are some movie recommendations:

```

              title \
6357      Nativity Story, The (2006)
1122              Lost Highway (1997)
2203      Razor's Edge, The (1984)
7361              TiMER (2009)
5633  Nine Lives of Tomas Katz, The (2000)

```

```

              genres
6357              Drama
1122  Crime|Drama|Fantasy|Film-Noir|Mystery|Romance
2203              Drama
7361  Comedy|Drama|Fantasy|Romance
5633  Comedy|Drama|Fantasy

```

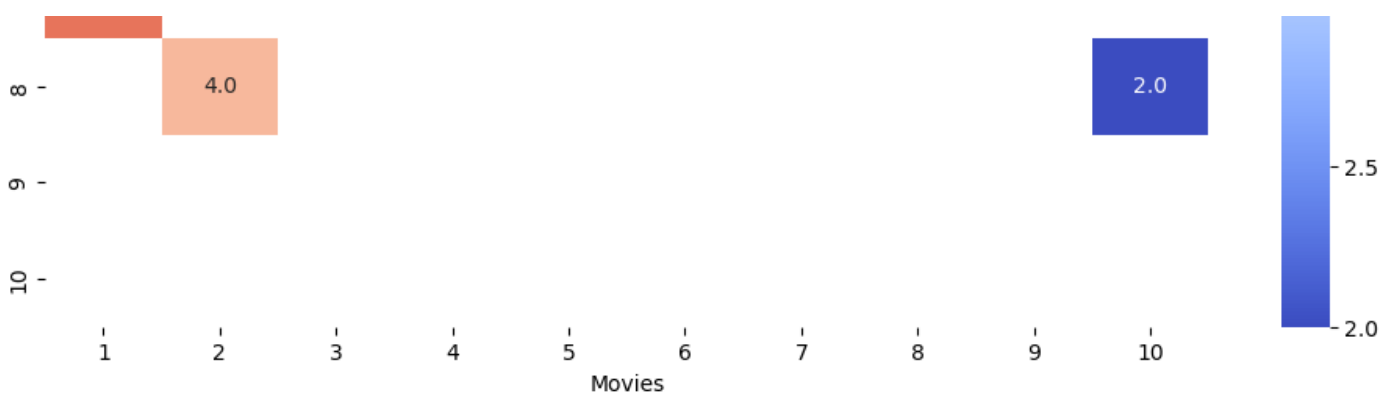
Enter your favorite genres (comma-separated, e.g., Action, Comedy): Comedy

| | | title | genres |
|------|------------------|--------|--------------------|
| 8332 | Grudge Match | (2013) | Comedy |
| 5349 | Shall We Dance? | (2004) | Comedy Romance |
| 5743 | Meet the Fockers | (2004) | Comedy |
| 6190 | Scary Movie 4 | (2006) | Comedy Horror |
| 7406 | Jackass 2.5 | (2007) | Comedy Documentary |

In [50]:

Top 5 Recommendations for User 1:

[illegible]



Next Steps

Implement additional evaluation metrics such as **Precision** and **Recall**, although this won't add much value as the matrices itself is sparse. We may want to test for more advanced recommendation models.

Improve diversity and Seredipity, introducing penalization methods for repetitive recommendations to ensure users received diverse movie suggestions.

Implement a feedback loop where users can rate recommendations or mark them as "not interested", allowing continuouse system improvement.

Conclusion

Using collaborative filtering approach implementing leveraging user-based or item-based similarities to recommend top 5 movies for each user. To address the cold start problem, a hybrid model combines collaborative filtering with content-based filtering, incorporating movie metadata.

To provide personalized movie recommendations, we consider their historical data or the historical data of others based on ratings for new users to ensure tailore recommendations.

The model's performance is assessed using Root Mean Squared Error (RMSE) to measure prediction accuracy. Additionally, due to the sparsity within the matrix, Precision and Recall are not used to evaluate the ranking effectiveness of the recommendations.

This project has significant implications for both businesses and consumers:

For Businesses:

- Enhances user retention and engagement by improving content discovery.
- Drives higher revenue through increased watch time and targeted content recommendations.
- Provides valuable insights into user preferences for strategic decision-making.

For Users:

- Saves time and effort in finding enjoyable movies.
- Improves overall satisfaction with streaming platforms.
- Encourages exploration of new genres and content.