

BASELINE RESULTS

🔗 Movie Recommender System

Type or select a movie from the dropdown

Pirates of the Caribbean: At World's End

Show Recommendation

Pirates of the | Pirates of the | Pirates of the | 20,000 Leagues | Life of Pi



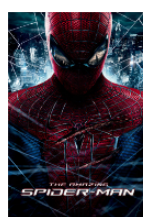
Movie Recommender System

Type or select a movie from the dropdown

Spider-Man 3

Show Recommendation

Spider-Man 2 | Spider-Man | The Amazing Spider-Man | The Amazing Spider-Man | Arachnophobia



Movie Recommender System

Type or select a movie from the dropdown

Iron Man

Show Recommendation

Iron Man 2



Iron Man 3



Avengers: Age of Ultron



Captain America: Civil War



The Avengers



Vectorization Of Movies

```
from sklearn.feature_extraction.text import CountVectorizer  
cv = CountVectorizer(max_features=5000, stop_words='english')
```

[50]

```
vector = cv.fit_transform(new['tags']).toarray()
```

[51]

▷

vector

[52]

```
... array([[0, 0, 0, ..., 0, 0, 0],  
         [0, 0, 0, ..., 0, 0, 0],  
         [0, 0, 0, ..., 0, 0, 0],  
         ...,  
         [0, 0, 0, ..., 0, 0, 0],  
         [0, 0, 0, ..., 0, 0, 0],  
         [0, 0, 0, ..., 0, 0, 0]], dtype=int64)
```

Finding Similarities between Movies

```
[55] from sklearn.metrics.pairwise import cosine_similarity

[56] similarity = cosine_similarity(vector)

[57] similarity
```

```
... array([[1.          , 0.08838835, 0.05892557, ..., 0.02512595, 0.02777778,
          0.          ],
        [0.08838835, 1.          , 0.0625      , ..., 0.02665009, 0.          ,
          0.          ],
        [0.05892557, 0.0625      , 1.          , ..., 0.02665009, 0.          ,
          0.          ],
        ...,
        [0.02512595, 0.02665009, 0.02665009, ..., 1.          , 0.02777778,
```

UPDATED RESULTS AND PERFORMANCE MATRICES - ADDED MOOD ATTRIBUTE

Movie Recommender System

Recommendation on the basis of content

Type or select a movie from the dropdown

Avatar

Show Recommendation

Recommendation on the basis of mood

Happy Mood 😊

Sad Mood 😞

Chill Mood 🧊

Adventurous Mood 🏔️

Romantic Mood 💕

Made with Streamlit

Movie Recommender System

Recommendation on the basis of content

Type or select a movie from the dropdown

Spectre

Show Recommendation

Quantum of Solace Never Say Never Skyfall From Russia with Love Thunderball



Recommendation on the basis of mood

Happy Mood



Sad Mood



Chill Mood



Adventurous



Romantic



Type or select a movie from the dropdown

Spectre

Show Recommendation

Recommendation on the basis of mood

Happy Mood



Sad Mood



Chill Mood



Adventurous



Romantic



Me You and Five The Prisoner of Zenda Forrest Gump The Apartment Love Jones



Made with Streamlit