



Welcome To Colab - Colab xUntitled9.ipynb - Colab xUntitled9.ipynb - Colab xSnippets: Importing librariSnippets: Importing librari(43) "Nukapeyyi Latha Kur

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Colab

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# Generate top N recommendations for the user  
top\_n = {}  
for movie\_id in unwatched\_movies:  
rating = algo.predict(user\_id, movie\_id).est  
top\_n[movie\_id] = rating  
  
#Sort recommendations by predicted rating  
sorted\_top\_n = sorted(top\_n.items(), key=lambda x: x[1], reverse=True)  
  
# print top 10 recommended movies  
print("Top 10 Recommended Movies")  
for movie\_id, rating in sorted\_top\_n[:10]:  
print(f"Movie ID: {movie\_id}, predicted Rating: {rating}")

Collecting surprise  
Downloading surprise-0.1-py2.py3-none-any.whl (1.8 kB)  
Collecting scikit-surprise (from surprise)  
Downloading scikit\_surprise-1.1.4.tar.gz (154 kB)  
154.4/154.4 kB 3.1 MB/s eta 0:00:00  
  
Installing build dependencies ... done  
Getting requirements to build wheel ... done  
Preparing metadata (pyproject.toml) ... done  
Requirement already satisfied: joblib>=1.2.0 in /usr/local/lib/python3.10/dist-packages (from scikit-surprise->surprise) (1.4.2)  
Requirement already satisfied: numpy>=1.19.5 in /usr/local/lib/python3.10/dist-packages (from scikit-surprise->surprise) (1.25.2)  
Requirement already satisfied: scipy>=1.6.0 in /usr/local/lib/python3.10/dist-packages (from scikit-surprise->surprise) (1.11.4)  
Building wheels for collected packages: scikit-surprise  
Building wheel for scikit-surprise (pyproject.toml) ... done  
Created wheel for scikit-surprise: filename=scikit\_surprise-1.1.4-cp310-cp310-linux\_x86\_64.whl size=2357245 sha256=bb1d6e4c4340839800d00a1f2fe2c2129bebefc8086e42f673e2e04d2eb1ddb0  
stored in directory: /root/.cache/pip/wheels/4b/3f/df/6acbf0a40397d9bf3ff97f582cc22fb9ce66adde75bc71fd54  
Successfully built scikit-surprise  
Installing collected packages: scikit-surprise, surprise  
Successfully installed scikit-surprise-1.1.4 surprise-0.1  
Dataset ml-100k could not be found. Do you want to download it? [Y/n] y

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Dataset ml-100k could not be found. Do you want to download it? [Y/n] y  
Trying to download dataset from https://files.grouplens.org/datasets/movielens/ml-100k.zip...  
Done! Dataset ml-100k has been saved to /root/.surprise\_data/ml-100k  
RMSE: 0.9352  
Top 10 Recommended Movies  
Movie ID: (movie\_id), predicted Rating: 3.494113443967322  
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