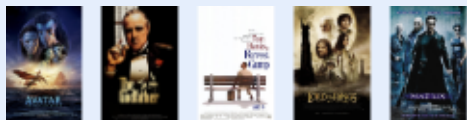


## Top-K Recommendation

A user recently watched **movies**:



Based on the watch history, please recommend five **candidate movies** that the user might be interested in from the following list:

- 1
- 2
- 3
- .....
- 6
- .....

## Rating Prediction

Here is the **movie** rating history of a user:



Based on the above rating history of this user, please **rate** a movie named *John Wick: Chapter 4* with a range of 1-10 points.

## Conversational Recommendation

[User]: I recently watched a science fiction movie named *Interstellar*



••• Please recommend some ... to me.

-----  
[User]: .....

-----  
[User]: But I don't like ... because ...  
Could you recommend other ...

## Explanation Generation

A new movie named *The Godfather Part II* is recommended to a user,



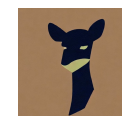
who has recently watched movies:



Please **explain** why this new movie is recommended to the user.



Large Language Models (LLMs)  
for Recommender Systems



Vicuna ...

Based on the watch history, I assume this user is interested in movies of ... genres and ... actor/actress. Here are the top five **candidate movies**:

- 3
- 1
- 4
- 2
- 8

The movie *John Wick: Chapter 4* has the similar ... to ... movie in the rating history.

Thus, the **rating** is likely to be 9.0.

[LLM]: Sure! Here are some ... recommended to you: ...

••• [LLM]: .....

-----  
[LLM]: My apologies! Here are ...

This new movie is recommended to the user **because** the ... features of this new movie are similar to the ... of movies that recently watched by this user. **Thus**, the user may want to watch the recommended new movie.