

Basic Prediction and Recommendation Metrics Assignment

测验, 21 个问题

1
point

1. Which user has the highest MAE?

2267

1
point

2. What is the MAE for this highest-MAE user?

0.900

1
point

3. Which user has the lowest MAE?

2824

1
point

4. And this lowest-MAE user's MAE?

0.400

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1
point

5.

Now, by movies. Which movie has the highest MAE? Just use the movie ID number (e.g., 13 for Forest Gump.

12

1
point

6.

And what is this highest-MAE score for a movie (use three decimal places)?

1.167

1
point

7. Next, what is the lowest-MAE movie (enter the movie ID)?

85

1
point

8. And this lowest MAE score for a movie (three decimal places)?

0.380

1
point

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Next, your three versions of overall MAE. First, your overall MAE score averaging across all predictions (three decimal places, please).

0.725

1
point

10. Next, your MAE computed by-user (three decimal places):

0.731

1
point

11.

And next your MAE computed by-movie (three decimal places):

0.732

1
point

12.

Now we move on to Mean Squared Error and Root Mean Squared Error. Which user has the highest RMSE?

918

1
point

13. And what is the RMSE for this highest-RMSE user?

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1
point

14. And the user ID of the user with the lowest RMSE?

2824

1
point

15. And this lowest-user's RMSE value (3 decimal places)?

0.473

1
point

16.
And now the overall RMSE (the square root of the average of each prediction's squared error), to three decimals:

0.891

1
point

17.
Here's the last set of questions. What user had the highest correlation between ratings and predictions (enter the user ID)?

5261

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1 point

18. And what is that correlation value? (3 decimal places)

0.921

1

point

19.

And which user has the lowest correlation (which may be negative)?

860

1

point

20. What's the correlaton value for that user?

-0.148

1

point

21.

Finally, what's the average overall correlation between ratings and predictions (hint, use one CORREL on the full tables).

0.566



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