

Basic Prediction and Recommendation Metrics Assignment

TOTAL POINTS 21

1. Which user has the highest MAE?

1 point

2267

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

1 point

0.9

3. Which user has the lowest MAE?

1 point

2824

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

1 point

0.4

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

1 point

12

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

1 point

1.167

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

1 point

85

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

1 point

0.38

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

1 point

0.725

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

1 point

0.731

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

1 point

0.732

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

1 point

918

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

1 point

1.212

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

1 point

2824

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

1 point

0.473

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

1 point

0.891

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

1 point

5261

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

1 point

0.921

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

1 point

860

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

1 point

-0.148

- 21.

1 point

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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