Discussion Forums

Get help and discuss course material with the community.

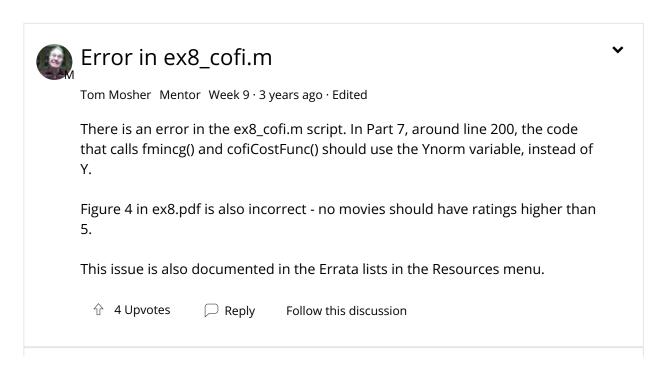
THIS WEEK'S FORUM			
Week 8			
Discuss and ask questions about Wee	ek 8.		
1907 threads · Last post 6 hours ago			
		٦	
	Go to forum		
		_	

All Threads

Forums

Search

← All Course Discussions





Cedar Mora · 2 years ago

Has the Y->Ynorm problem been fixed in the newest version of ex8? Either I'm misinterpreting the code, or it has been fixed.

- - CB Coogan Brennan · a year ago

It looks like it has been fixed. Can a moderator confirm?

↑ 14 Upvotes



David Sánchez · 2 years ago

Hi Tom, in the tutorial you said:

• Tip for estimateGaussian(): don't use "var()"

If you use it correctly (with appropriate parameters), why you shouldn't?



Tom Mosher Mentor · 2 years ago

It probably should say "don't use var() unless you know what you're doing".



Yue Yangming \cdot 2 years ago

I used var because i can tell differences between "m" and "m-1", Good luck, nothing else i can tell.

↑ 0 Upvotes



Zvonimir Bandic · 2 years ago

⊕ 0 Upvotes

AB Alexis bogroff · a year ago

Hi Zvonimir Bandic. It has been said in the videos that regarding the length of datasets usually used in machine learning, the correction made by m-1 is insignificant.

⊕ 9 Upvotes



Oleg Kovpak · a year ago

Zvonimir, there is an explanation in one of the lectures that 1/(m-1) is used in statistics, but in machine learning they usually use 1/m and it works fine. If I'm not mistaken, that was somewhere in anomaly detection lectures if I'm not mistaken.

↑ Tupvotes



Anupam Tiwari · 2 years ago

Ηi

I fixed the error to change Y to Ynorm but I'm facing an error while running ex8_cofi even without any code on file cofiCostFunction. The error points to line 62 in file ex8_cofi and it says "input buffer overflow, can't enlarge buffer because scanner uses REJECT". Please help. Thanks.

û Upvotes ☐ Hide 1 Reply



Tom Mosher Mentor \cdot 2 years ago

Line 62 calls your cost function directly. I think there is a runtime error in your cost function.

Maybe the tutorial for this exercise (from the Resources menu) will be helpful - compare it with the code you wrote.

Hello,

I finished the exercise with success and played a little bit with the parameters number of features, lambda, and number of iterations. I was able to get a lower cost value but now there is some predictions with value higher than 5 as follows:

Predicting rating 5.2 for movie As Good As It Gets (1997)

Predicting rating 5.1 for movie Return of the Jedi (1983)

Predicting rating 5.0 for movie Saint of Fort Washington, The (1993)

Predicting rating 5.0 for movie Santa with Muscles (1996)

Predicting rating 5.0 for movie Aiqing wansui (1994)

Predicting rating 5.0 for movie They Made Me a Criminal (1939)

Predicting rating 5.0 for movie Star Kid (1997)

Predicting rating 5.0 for movie Prefontaine (1997)

Predicting rating 5.0 for movie Great Day in Harlem, A (1994)

Predicting rating 5.0 for movie Marlene Dietrich: Shadow and Light (1996)

Is it expected?





Tom Mosher Mentor · 2 years ago · Edited

Yes, it is expected.

The cofi cost function isn't a classifier - it is a linear predictor. There is no constraint that the <u>predicted</u> outputs be in the same range as the training set, particularly if the model is overfit or underfit.

↑ 0 Upvotes

C Carlos · 2 years ago

Tom, can you explain a little bit more this? Thanks in advance.

↑ 0 Upvotes



For what topic do you need more explanation?

↑ 1 Upvote

AG Azadeh Gholami · 3 years ago

Hello all, could anyone please help me by sending the assignment 8? I cant download that and I am worry about time missing. Please help



AJIT KUMAR RANJAN · 3 years ago

Hi Tom,

Please provide test cases for the following:

Collaborative Filtering Cost

Collaborative Filtering Gradient

Regularized Cost

Regularized Gradient

Please.....

↑ 0 Upvotes

☐ Hide 4 Replies



Tom Mosher Mentor ⋅ 3 years ago

Done.

↑ 1 Upvote

AG Azadeh Gholami · 3 years ago

Hello Tom,

unfortunately I have encountered the problem like before, the link of programming assignment 8 does not work correctly and I cant download that. I am worry about missing the time and I could not complete the course. Please help me

↑ 0 Upvotes



vignajeth · 3 years ago · Edited

i am able to download ex8 assignment

try with other browser

disable your firewall and try again

make sure you haven't blocked amazonaws

↑ 0 Upvotes

AG Azadeh Gholami · 3 years ago

Thank you for help. I have cheked all of these, but still I receive "This file couldn't be downloaded". What can I do to access the assignment?

↑ 0 Upvotes

Mγ Minyi Yang · 3 years ago

Hi Tom, thanks for pointing out this error. After I changed the Y on line 200 to Ynorm, the top recommended movies all have a rating of 5.0. In fact, the recommendation list also changed. (before making the change, I got the same recommendations as per the pdf). Could you confirm if that is the expected outcome? Thanks

Predicting rating 5.0 for movie Santa with Muscles (1996)

Predicting rating 5.0 for movie Prefontaine (1997)

Predicting rating 5.0 for movie They Made Me a Criminal (1939)

Predicting rating 5.0 for movie Entertaining Angels: The Dorothy Day Story (1996)

Predicting rating 5.0 for movie Aiging wansui (1994)

Predicting rating 5.0 for movie Someone Else's America (1995)

Predicting rating 5.0 for movie Saint of Fort Washington, The (1993)

Predicting rating 5.0 for movie Marlene Dietrich: Shadow and Light (1996)

		_
分	2 Upvotes	Hide 19 Replies

See earlier replies

SG Stephane Grabli · 3 years ago

Thanks Tom, I hadn't initially noticed that the ratings were sorted in decreasing order before being displayed! If I don't sort them, I see more varied ratings, which is what I was expecting. E.g.

Predicting rating 3.4 for movie Toy Story (1995)

Predicting rating 2.7 for movie GoldenEye (1995)

Predicting rating 2.5 for movie Four Rooms (1995)

Predicting rating 2.8 for movie Get Shorty (1995)

Predicting rating 2.8 for movie Copycat (1995)

Predicting rating 3.5 for movie Shanghai Triad (Yao a yao yao dao waipo qiao) (1995)

Predicting rating 2.9 for movie Twelve Monkeys (1995)

Predicting rating 3.7 for movie Babe (1995)

Predicting rating 3.6 for movie Dead Man Walking (1995)

Predicting rating 4.0 for movie Richard III (1995)

↑ 1 Upvote

TO Tom O'Neill · 3 years ago

FWIW I modified my ex8_cofi.m to set my_prediction to 0 for any movie with less than 4 ratings. Then the list looked a lot more reasonable:

Predicting rating 4.6 for movie Pather Panchali (1955)

Predicting rating 4.6 for movie Star Wars (1977)

Predicting rating 4.6 for movie Shawshank Redemption, The (1994)

C

Predicting rating 4.5 for movie Schindler's List (1993)

Predicting rating 4.5 for movie Raiders of the Lost Ark (1981)

Predicting rating 4.4 for movie Empire Strikes Back, The (1980)

Predicting rating 4.4 for movie Close Shave, A (1995)

Predicting rating 4.4 for movie Casablanca (1942)

Never heard of Pather Panchali, I'll have to look into that!

↑ 2 Upvotes



Tom Mosher Mentor ⋅ 3 years ago

Pather Panchali has 5 reviews, ranging from 2 to 4. But since it is rated higher than Star Wars and Empire Strikes Back, so I expect there are a lot of space ships.

↑ 1 Upvote

TO Tom O'Neill · 3 years ago

Hmm, it has 8 ratings in my data set: 4 4 4 5 5 5 5 5, which makes me a lot more comfortable with filter predicting 4.6 than if the highest rating was 4. (It seems possible but unlikely that the features would conspire to predict a higher rating than has ever been seen.)

Probably i should have used a higher threshold for minimum number of ratings. Only one other movie in the top 20 had less than 26 ratings. I wonder what Netflix does about ratings for movies with poor statistics. This could be an interesting sub-topic for the course.

But to be sure, Pather Panchali must have a lot of space ships!

↑ 0 Upvotes



Tom Mosher Mentor · 3 years ago

You're right, I fumble-fingered the index number for that movie (1440 instead of 1449). I see the same ratings you have.

û Upvotes

C



IMDb gives it an 8.3 rating.



Krishnan L Narayan · 2 years ago

Pather Panchali has no space ships at all! It is a classic Indian movie, definitely not of the bollywood variety. made in 1955, and deals with poverty and other issues.



Tom Mosher Mentor · 2 years ago

Thanks for the information. Pardon our slight attempts at humor, no disrespect was intended.

↑ 2 Upvotes



Mark Tillinghast · 2 years ago

Song of the Little Road; It is often featured in <u>lists of the greatest films</u> ever made.

û Upvotes

AS Amit Singla · a year ago

Hi Tom,

I am running test case 3b for Recommender Systems. I am getting correct value for both x_grad and Theta_grad. However, I am getting the cost function incorrect.

I am calculating the error matrix E after multiplying R with ((X*Theta') - Y). Then I am using E to calculate gradients (correctly computed).

However, when I use sum(E'*E)/2 to calculate cost, my answer is not correct. Can you advise?

Please ignore my query. I was doing matrix multiplication of E. Corrected by doing element level multiplying.

↑ 0 Upvotes

John Ivie · a year ago

Should figure 4 be completely changed? Before I changed Y to Ynorm in the ex8_cofi.m script file, it gave me almost all the same movies in Figure 4. I got very different set of movies after changing Y to Ynorm, seemingly more than would be implied by different random initializations...

↑ 0 Upvotes



Suman Gangopadhyay · a year ago

My code for selectThreshold works perfectly well with the test cases but doesn't give me the expected results when ex8.m is run. Also I am not getting a similar figure as in Figure 2 of ex8.pdf when I run ex8.m. Moreover, I am getting correct F1 value but incorrect epsilon. Any suggestions?

↑ 0 Upvotes



Tom Mosher Mentor · a year ago

Suggestions:

- Use the Tutorial for this exercise from the Resources menu.
- Use the additional Test Cases (also in the Resources men).

This thread is 2 years old, so I'm going to close it. If you need more assistance, please start a new thread.

↑ 0 Upvotes



Tom Mosher Mentor · a year ago · Edited

Check that your code for this exercise consistently returns either column vectors or row vectors. If one function returns a row and the other expects a column, they won't work together.

↑ 0 Upvotes

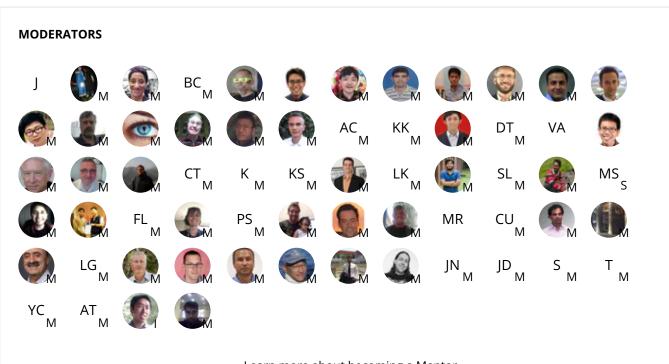
courserd



Q

DESCRIPTION

Welcome to the course discussion forums! Ask questions, debate ideas, and find classmates who share your goals. Browse popular threads below or other forums in the sidebar.



Learn more about becoming a Mentor

Forum guidelines >