MovieLens Project Submission

NEW MOVIELENS SUBMISSION

This assignment has several steps. In the first step, you'll provide a response to the prompt. The other steps appear below the **Your Response** field.

Your Response due Jan 10, 2020 18:59 EST (in 1 week, 6 days) IN PROGRESS

Enter your response to the prompt. You can save your progress and return to complete your response at any time before the due date (Friday, Jan 10, 2020 18:59 EST). **After you submit your response, you cannot edit it.**

The prompt for this section

> Your submission for this project is three files:
>
> 1. Your report in PDF format
> 2. Your report in Rmd format
> 3. A script in R format that generates your predicted movie ratings and RMSE score

To upload and submit your files press the "Choose Files" button, select three files at once (using the control key on a Windows machine or command key on a Mac) and press "Choose," type a description for each, and then press the "Upload files" button.

We recommend also providing a link to a GitHub repository containing the three files above.

Note that when downloading files for peer assessments, R and Rmd files will be downloaded as txt files by default.

Your response (optional)

Enter your response to the prompt above.

Preview in LaTeX

CLICK TO PREVIEW YOUR SUBMISSION IN LATEX.

Save your progress

THIS RESPONSE HAS NOT BEEN SAVED.

Choose Files No file chosen

Upload files

You may continue to work on your response until you submit it.

Submit your response and move to the next step

Assess Peers due Jan 17, 2020 18:59 EST (in 2 weeks, 6 days) NOT AVAILABLE

Your Grade: Not Started

MovieLens Grading Rubric

The following is the grading rubric your peers will be using to evaluate your project. There are also opportunities for your peers to provide written feedback as well (required for some categories and optional for others).

Files (10 points possible)

The appropriate files are submitted in the correct formats: a report in both PDF and Rmd format and an R script in R format.

- 0 points: No files provided AND/OR the files provided appear to violate the edX Honor Code.
- 3 points: Multiple requested files are missing and/or not in the correct formats.
- 5 points: One file is missing and/or not in the correct format.
- 10 points: All 3 files were submitted in the requested formats.

Report (40 points possible)

The report documents the analysis and presents the findings, along with supporting statistics and figures. The report must be written in English and uploaded. The report must include the RMSE generated. The report must include at least the following sections:

1. an **introduction/overview/executive summary** section that describes the dataset and summarizes the goal of the project and key steps that were performed
2. a **methods/analysis** section that explains the process and techniques used, such as data cleaning, data exploration and visualization, any insights gained, and your modeling approach
3. a **results** section that presents the modeling results and discusses the model performance
4. a **conclusion** section that gives a brief summary of the report, its limitations and future work (the last two are recommended but not necessary)

- 0 points: The report is either not uploaded or contains very minimal information AND/OR the report appears to violate the edX Honor Code.
- 10 points: Multiple required sections of the report are missing.
- 15 points: The methods/analysis or the results section of the report is missing or missing significant supporting details. Other sections of the report are present.
- 20 points: The introduction/overview or the conclusion section of the report is missing, not well-presented or not consistent with the content.
- 20 points: The report includes all required sections, but the report is significantly difficult to follow or missing supporting detail in multiple sections.
- 25 points: The report includes all required sections, but the report is difficult to follow or missing supporting detail in one section.
- 30 points: The report includes all required sections and is well-drafted and easy to follow, but with minor flaws in multiple sections.
- 35 points: The report includes all required sections and is easy to follow, but with minor flaws in one section.

- 40 points: The report includes all required sections, is easy to follow with good supporting detail throughout, and is insightful and innovative.

Code (25 points)

The code in the R script should should be well-commented and easy to follow. You are **not required** to run the code provided (although you may if you wish), but you should visually inspect it.

- 0 points: No code provided AND/OR the code appears to violate the edX Honor Code.
- 10 points: Code appears that it would not run/is very difficult to follow or interpret.
- 15 points: Code appears that it would run without throwing errors, can be followed, is at least mostly consistent with the report, but has no comments or explanation.
- 20 points: Code appears that it would run without throwing errors, can be followed, but without sufficient comments or explanations.
- 25 points: Code is easy to follow, is consistent with the report, and is well-commented.

RMSE (25 points)

Provide the appropriate score given the reported RMSE. *Please be sure not to use the validation set for training or regularization - you may wish to create an additional partition of training and test sets from the provided* **edx** *dataset to experiment with multiple parameters or use cross-validation.*

- 0 points: No RMSE reported AND/OR code used to generate the RMSE appears to violate the edX Honor Code.
- 5 points: RMSE >= 0.90000 AND/OR the reported RMSE is the result of overtraining (validation set used for **anything** except reporting the final RMSE value)
- 10 points: 0.86550 <= RMSE <= 0.89999
- 15 points: 0.86500 <= RMSE <= 0.86549
- 20 points: 0.86490 <= RMSE <= 0.86499

- 25 points: RMSE <= 0.8649

Have a question about the MovieLens project? Need some feedback on the best approach to take or some troubleshooting for a snippet of your code? You can ask your questions here!

You are encouraged to discuss **general approaches** to the MovieLens project. It is okay to post **small snippets** of code if you're having trouble getting a particular piece of code to run. However, you **may not post your entire R script** for the project.

Discussion: MovieLens Project

Hide Discussion

Topic: MovieLens Project / MovieLens Project

Add a Post

Show all posts ▼ by recent activity ▼

Peers commented that files are not visibl Hello, My files are visible in the section of the MovieLens project. Just double checked all files are visible in the upload section of the MovieLe...		5
☑	Can we add columns to initial dataset? Hi, According to the instructions we need to use dataset defined with the provided code. Are we allowed to use wrangling techniquest to cre...	2
	I don't know why my files are not showing up. I've submitted all three files but nothing is showing and i got zero points. I have uploaded the files onto Google Drive. I have posted the goog...	4
?	How to pull code into r markdown file What is the best way to include the code from the R script in the R markdown file? I need the code so that I can display the plots. I have tried...	1
	About trying different models ... Hello, I wanted to ask / discuss about including multiple models as part of the MovieLens project. My basic model implementation builds on	19

Hello, I wanted to ask / discuss about including multiple models as part of the MovieLens project. My basic model implementation builds on...

PCA on entire set
I am trying to use PCA to further reduce my RMSE. I created a matrix with columns referring to movies and rows referring to users, filtered o... 3

Staff Question: Peer assessment
I am continuing waiting to grade peer assessment. However, there are no assessments to grade, and I am not getting my grade. Will I get my... 1

Peer assessment
I am continuing waiting for peer assessment to finish step 2 and get my grade, but there are no assessments to review. Will I get my grade if ... 2

Possible to use codes in video?
Hello, I could like to know if it's allowed to use codes provided in video. Thank you in advance. Yun 3

Error: vector memory exhausted (limit reached?)
Hi all, I am trying to fit some machine learning models to my training set but I keep getting this error **"Error: vector memory exhausted (li... 3

I'm not seeing any peer submissions
I've completed my project and want to finish up by reviewing work from my peers. However, I don't see any peer submissions. Where are th... 1

Splitting Validation Set for processing power
I'm running into some issues getting my model to run on my admittedly underpowered computer. I think splitting the validation set data int... 2

Access Denied error for files submitted for peer review
While trying to view and peer review a collegues work, I a getting the following error <?xml version="1.0" encoding="ISO-8859-1"?> <Error> <... 2