

[Course](#) > [Capstone Project: All Learners](#) > [Project Submission: MovieLens](#) >  
MovieLens Project Submission

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## MovieLens Project Submission

### NEW MOVIELENS SUBMISSION

#### Status

This assignment is in progress. You still need to complete the [peer assessment](#) step.

▸ **Your Response** due Jan 11, 2020 07:59 +08 (in 5 months, 3 weeks)

✓ COMPLETE

▼ **Assess Peers** due Jan 18, 2020 07:59 +08 (in 5 months, 4 weeks) IN  
PROGRESS (1 OF 5)

Read and assess the following response from one of your peers.

#### The question 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 peer's response to the prompt above

Hope you doing will and thank you for your Assess, github link:  
<https://github.com/sulaiman-alawad/MovieLens-Project-Submission.git>

#### Associated Files

[report in pdf](#)

[report in rmd](#)

[r code](#)

Caution: These files were uploaded by another course learner and have not been verified, screened, approved, reviewed, or endorsed by the site administrator. If you access the files, you do so at your own risk.)

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

---

☐ No files

No files provided AND/OR the files provided appear to violate the edX Honor Code.

0 POINTS

☐ Many missing

Multiple requested files are missing and/or not in the correct formats.

3 POINTS

☐ One missing

One file is missing and/or not in the correct format.

5 POINTS

☒ All correct

All 3 files were submitted in the requested formats.

10 POINTS

Comments

Preview in LaTeX

CLICK TO PREVIEW YOUR SUBMISSION IN LATEX.

Preview Response

All submitted

▼ 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)
-

☐ **Poor**

The report is either not uploaded or contains very minimal information AND/OR the report appears to violate the edX Honor Code.

0 POINTS

---

☐ **Many missing sections**

Multiple required sections of the report are missing.

10 POINTS

---

☐ **Methods/analysis or results missing**

The methods/analysis or the results section of the report is missing or missing significant supporting details. Other sections of the report are present.

15 POINTS

---

☐ **Intro/overview or conclusion missing**

The introduction/overview or the conclusion section of the report is missing, not well-presented or not consistent with the content.

20 POINTS

---

☐ **Very hard to follow**

The report includes all required sections, but the report is significantly difficult to follow or missing supporting detail in multiple sections.

20 POINTS

---

☐ **Hard to follow**

The report includes all required sections, but the report is difficult to follow or missing supporting detail in one section.

25 POINTS

---

☐ **Minor flaws in multiple sections**

The report includes all required sections and is well-drafted and easy to follow, but with minor flaws in multiple sections.

30 POINTS

---

☐ **Minor flaws in one section**

The report includes all required sections and is easy to follow, but with minor flaws in one section.

35 POINTS

☐ **Easy to follow**

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

40 POINTS

**Comments**

Preview in LaTeX

CLICK TO PREVIEW YOUR SUBMISSION IN LATEX.

- ▼ The code in the R script 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.
- 

☐ **No code**

No code provided AND/OR the code appears to violate the edX Honor Code.

0 POINTS

☐ **Hard to interpret**

Code appears that it would not run and/or is very difficult to follow or interpret.

10 POINTS

☐ **No comments**

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.

15 POINTS

☐ **Insufficient comments**

Code appears that it would run without throwing errors, can be followed, but without sufficient comments or explanations.

20 POINTS

☐ **Easy to follow and well-commented**

Code is easy to follow, is consistent with the report, and is well-commented.

25 POINTS

**Comments**

Preview in LaTeX

CLICK TO PREVIEW YOUR SUBMISSION IN LATEX.

- ▼ **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.**
- 

☐ **No RMSE**

No RMSE reported AND/OR code used to generate the RMSE appears to violate the edX Honor Code.

0 POINTS

☐  **$\geq 0.90000$**

RMSE  $\geq 0.90000$  AND/OR the reported RMSE is the result of overtraining (validation set used for anything except reporting the final RMSE value).

5 POINTS

☐ **0.88000 to 0.89999**

The RMSE is greater than or equal to 0.88000 and less than or equal to 0.89999.

10 POINTS

☐ **0.87917 to 0.87999**

The RMSE is greater than or equal to 0.87917 and less than or equal to 0.87999.

15 POINTS

☐ **0.87751 to 0.87916**

The RMSE is greater than or equal to 0.87751 and less than or equal to 0.87916.

20 POINTS

☐ **Less than 0.87750**

The RMSE is less than or equal to 0.87750.

25 POINTS

**Comments**

Preview in LaTeX

CLICK TO PREVIEW YOUR SUBMISSION IN LATEX.

(Optional) What aspects of this report and algorithm stood out to you? What did it do well? How could it be improved?

I think that this response...

Preview in LaTeX

CLICK TO PREVIEW YOUR SUBMISSION IN LATEX.

Submit your assessment and move to response #2

## 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 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:  $\text{RMSE} \geq 0.90000$  AND/OR the reported RMSE is the result of overtraining (validation set used for **anything** except reporting the final RMSE value)
- 10 points:  $0.86550 \leq \text{RMSE} \leq 0.89999$
- 15 points:  $0.86500 \leq \text{RMSE} \leq 0.86559$
- 20 points:  $0.86490 \leq \text{RMSE} \leq 0.86499$
- 25 points:  $\text{RMSE} \leq 0.8649$

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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.

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## Discussion: MovieLens Project

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**Topic:** MovieLens Project / MovieLens Project

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### IMPORTANT: Movielens project due date!

Note that **\*\*submissions\*\*** for the Movielens project are **\*\*due one week before course close...**

1

Pinned Staff



### Clarification Requested: Test v. Validation

2 new\_ !

All, Am I correct in my assessment that the code provided to generate the datasets appears to...



### Include provided setup script in our submitted script?

2

@Staff: Can you please clarify if we are to include the provided setup script in the script we su...



### Error when submitting

3

@staff, I am getting an error when trying to submit my work that says that my files could not ...



### When will open the submission

2

@staff I have observed that the response section is closed. Could you please inform us when ...

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