

SCALE FOR PROJECT CHURN (/PROJECTS/CHURN)

You should evaluate 1 student in this team



Git repository

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Introduction

The methodology of School 21 makes sense only if peer-to-peer assessments are done seriously. This document will help you to do it properly.

- Please, stay courteous, polite, respectful and constructive in all communications during this assessment. The bond of trust between community 21 and you depends on it.

- Highlight possible malfunctions of the work done by the person and take the time to discuss and debate it.

- Keep in mind that sometimes there can be differences in interpretation of the tasks and the scope of features. Please, stay open-minded to the vision of the other.

Guidelines

- Evaluate only the files that are on the GIT repository of the student or group.

- Doublecheck that the GIT repository is the one corresponding to the student or the group as long as to the project.


- Meticulously check that nothing malicious has been used to mislead you and have you assess something except the content of the official repository.

- If you have not finished the project yet, it is compulsory to read the entire subject before starting the review.

- Use the special flags in the scale to report an empty or non-functional solution as long as a case of cheating. In these cases, the assessment is completed and the final grade is 0 (or in a case of cheating is -42). However, except for a case of cheating, you are encouraged to continue reviewing the project to identify the problems that caused the situation in order to avoid them for the next assessment.

- You must stop giving points from the first wrong exercise even if the following exercises are correct.

Attachments

 subject.pdf (https://cdn.intra.42.fr/pdf/pdf/76072/en.subject.pdf)

 p01_bank_data.zip (https://cdn.intra.42.fr/document/document/14431/p01_bank_data.zip)

Preliminaries

Respect the rules

Intra Projects churn Edit

- The repository contains the work of the student (or group).
- The student is able to explain their work at any time during the assessment.
- The general rules are respected throughout the assessment.

✓ Yes

✗ No

Project "Churn"

Mandatory part

General

- The repository contains an ipynb-file(s) as well as optionally additional files that help to perform
- The repository contains the prediction file
- The final table with the results of different algorithms and their hyperparameters, scores exist notebooks

Preprocessing

- Missing values are processed
- Continuous features are scaled
- Categorical features transformed using the one-hot encoding technique
- Split on train and test with 20% and stratification exists
- Techniques that help to work with imbalanced datasets were applied

Baseline solutions

- Naive classification and random forest solution exist
- Grid search for random forest solution exists
- Accuracy for naive classification is 0.91148, AUC is 0.5

Neural networks

- Dropout is tried in Keras or TensorFlow solutions
- AUC higher than 0.8183 is achieved
- Gridsearch was applied to find the best hyperparameters

✓ Yes

✗ No

Bonus part

- AUC higher than 0.83 is achieved
- AUC higher than 0.85 is achieved

Rate it from 0 (failed) through 5 (excellent)



Ratings

Don't forget to check the flag corresponding to the defense

✓ Ok

★ Outstanding project

Empty work

📄 No author file

⚙️ Invalid compilation

📋 Norme

📖 Cheat

💥 Crash

🚫 Forbidden function

Conclusion

Leave a comment on this evaluation

Finish evaluation

