Individual Assignment Recommendation Tools

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Description

Accepted formats:

- Code: Notebook (.ipynb) / Script (.py)
- Report: Included in Notebook (.ipynb) or Word / PDF file

Kaggle competition

Put your recommendation skills to the test by applying **at least 3 different algorithms** to the Amazon review dataset and upload your solution file to Kaggle. For the written part of your individual assignment, you can choose to add your explanations in the notebook file or create a separate document (Word / PDF).

- Add a short description of the algorithms you applied and tested. How do they work and what parameter options did you choose?
- Discuss the general preprocessing steps, as well as preprocessing steps specific for each of the applied algorithms.
- Explain your (cross-) validation and evaluation of the algorithms.
- Add possible improvements and conclusions.

The dataset consists of 3 files:

- train: user-item ratings, including review text and additional user data
- test_students: user-item ratings to predict (please note the unique identifier "ID" is created by combining userID and asin)
- metadata: additional item data (title, description, image_url)

The rating scale for user-item ratings contains integers in the range [1,5].
Your predictions are evaluated and ranked using RMSE.

Deadline: March 8th, 2022, 20:00h.

The report must be uploaded to **IESEG-online**

- In case there are issues with the website (e.g. file size) you can submit your assignment by email to **p.borchert@ieseg.fr**
- Include yourself in cc of your email to us so that you can verify whether your email was sent correctly.