

## DMG'23/Assignment2/Collaborative\_Filtering

This assignment is somewhat open-ended, and you may come up with your own heuristics and design choices to complete the task.

Download the **ModCloth** dataset from <https://github.com/MengtingWan/marketBias/tree/master>

Design a simple collaborative filtering based recommendation system for the above dataset via predicting the product ratings.

Construct an 85/15 train/test split. You will need to pay attention to this step.

Use 5-fold cross validation (on the 85%) and report either mean absolute error or root mean square error for the validation and test sets. Use any suitable similarity measure in your work.

Use infographics to justify your design choices and report the results.