

DM868/DM870/DS804

Data Mining and Machine Learning

Spring 2023

Exercise classes (tutorials), projects, and exam

The lectures are accompanied by exercise classes (tutorials). For the exercise classes you get weekly exercises and two slightly larger projects. It is *strongly recommended* that you form study groups for working on the exercises and projects. The ideal group size is 3–5 students, and it makes sense to form interdisciplinary groups. Keep in mind, however, that the group should have a sufficient amount of common free time slots (approximately 4 hours at least) every week to effectively collaborate, and the group should participate in the same tutorial session (4 tutorial sessions are offered). During the projects there will be fewer lectures such that those time slots are also useable for project work. How you form and maintain groups is completely up to you. You can also give it a try, reconsider later and join a different group, however, finding a group later on might be more difficult.

The exam will be about all topics covered by lectures and exercises. The best preparation is following the lectures actively, repeating the lecture material (or if helpful, reading up on the topics in the provided literature) for yourself and discussing the material in your study group, ideally *every week*, in order to participate with more benefit in the subsequent lectures, and preparing for as well as actively participating in the exercise classes (tutorials).

Nevertheless, to give even more incentive for active participation and continuous repetition and learning, you can earn points by presenting solutions to exercises in the tutorials and by presenting your projects. These presentations should be done by the whole group, and only those group members that are participating in the presentation can earn points. The number of points that can be earned is annotated on the exercise sheet. Typically it will be one point per regular exercise and up to 5 points per project. You can earn points only once per week. Some very simple, purely repetitive exercises or such exercises that are aimed at having an open discussion in the whole class do not offer the possibility to earn points. (You should prepare for them nevertheless, for the sake of your own learning progress.)

Up to 10 points will count towards the exam points, that is, these points will be added to the (maximally 90) points achieved in the exam. The grade is based on the sum of exam points and exercise points (maximally 100).

Note that this is only valid for the regular exam. The re-exam will not take the exercise and project points into account. Furthermore, the re-exam might be an oral exam (depending on the number of participating students).