

Data Mining I

Presentation of the Student Projects



Outline

1. Process and Content of the Final Exam
2. Presentation Schedule
3. The first block of project presentations

Final Exam

- Date: **Wednesday, 23.06.2021 at 8:30-9:30**
- Process
 1. You log into <https://pruefung.uni-mannheim.de/> using your normal credentials
 2. You confirm the legal declaration in the system and download the exam sheet
 - 3 page PDF document containing 5 questions
 3. You have 60 minutes time to answer all 5 questions
 - handwritten on paper which you need to provide
 4. You take photos of your answers and combine them into a single PDF document
 - using a tool of your choice (e.g. Office Lens, Camera to PDF Scanner, ...)
 - please **practice this process beforehand!**
 5. You upload the PDF document to <https://pruefung.uni-mannheim.de/>
 - until 10 minutes after the regular exam time (9:40)
- Please test the process by down- and uploading a generic test exam at
 - https://pruefung.uni-mannheim.de/goto.php?target=fold_613&client_id=ILIAS
- We are available for questions during the exam at <https://uni-mannheim.zoom.us/my/christianbizer> Password: 582744

Content of Final Exam

- 5 open questions that
 - Check whether you have understood the content of the lecture
 - we try to cover all major chapters of the lecture: clustering, classification, regression, model evaluation, association analysis, text mining
 - Require you to describe the ideas behind algorithms and methods
 - How do methods react to special patterns in the data or to specific hyperparameter settings?
 - Which method likely works well in a specific situation?
 - Apply specific methods to a small dataset
 - will require you to do some simple calculations
 - please have a calculator at hand
- 5 points per question
 - you get points for partially correct answers
- Overall grade
 - 75% written exam, 20% project report, 5% presentation of project results

Presentation Schedule for Today

WIM-ZOOM Room 04

10:30-10:45: **Team 14:** Netnews Miners

10:45-11:00: **Team 02:** Sentiment Analysis on the “Social Dilemma” Doku

11:00-11:15: **Team 11:** Predicting the Polarity of Company Reviews

11:15-11:30: **Team 07:** Moral Judgement Analysis using Reddit

11:30-11:45: **Team 04:** Customer Segmentation

Presentation Schedule for Tomorrow

WIM-ZOOM Room 13

10:15-10:30 **Team 06:** London Bike Sharing Prediction

10:30-10:45 **Team 12:** Prediction of Phishing Websites

10:45-11:00 **Team 09:** Phishing URL Detection

11:00-11:15 **Team 03:** Predicting Basketball Euroleague Matches

11:15-11:30 **Team 08:** Prediction of Company Bankruptcies

11:30-11:45 **Team 05:** Fraud detection for self-scanning systems

WIM-ZOOM Room 16

12:00-12:15 **Team 13:** London Bike Sharing Prediction

12:15-12:30 **Team 10:** Airplane Delay Classification

12:30-12:45 **Team 01:** Modeling earthquake damage

Timing and Camera Settings

10 minutes presentation time

Anna will remind you to come to the end after 9 minutes

5 minutes discussion time

Questions to all team members for the audience and us

Camera Settings

All members of the team that currently present should turn their cameras on so that we know whom we are talking to