

TMA4268 Statistical Learning V2025

Tentative weekly plan

Lecture times:

Thursday, 08:15-10:00, GL-GE G1

Friday, 08:15-10:00, GL-GE G1

Exercises:

Wednesday, 16:15-18:00, GL-GE G1

| Calendar week | Module | Date | Weekday | Topic | Resp. Instructor |
|---------------|----------|----------|-----------|-----------------------------------|-------------------------------------|
| 2 | Module 1 | 08.01.25 | Wednesday | | Steffi and Self-study Self-study |
| | | 09.01.25 | Thursday | Introduction and R-course | |
| | | 10.01.25 | Friday | R-course | |
| 3 | Module 2 | 15.01.25 | Wednesday | R-course | Self-study |
| | | 16.01.25 | Thursday | Statistical learning 1 | Steffi |
| | | 17.01.25 | Friday | Statistical learning 2 | Steffi |
| 4 | Module 3 | 22.01.25 | Wednesday | Statistical learning Exercise | Steffi Steffi |
| | | 23.01.25 | Thursday | Linear regression 1 | |
| | | 24.01.25 | Friday | Linear regression 2 | |
| 5 | Module 4 | 29.01.25 | Wednesday | Linear regression Exercise | Steffi Steffi |
| | | 30.01.25 | Thursday | Classification 1 | |
| | | 31.01.25 | Friday | Classification 2 | |
| 6 | Module 5 | 05.02.25 | Wednesday | Classification Exercise | Steffi Steffi |
| | | 06.02.25 | Thursday | Resampling 1 | |
| | | 07.02.25 | Friday | Resampling 2, Rmd and ggplot | |
| 7 | | 12.02.25 | Wednesday | Resampling Exercise/Compulsory 1 | |
| | | 13.02.25 | Thursday | Compulsory Exercise 1 | |
| | | 14.02.25 | Friday | Compulsory Exercise 1 | |
| 8 | Module 6 | 19.02.25 | Wednesday | Compulsory Exercise 1 | Steffi Steffi |
| | | 20.02.25 | Thursday | Model Selection, Regularization 1 | |
| | | 21.02.25 | Friday | Model Selection, Regularization 2 | |
| 9 | Module 7 | 26.02.25 | Wednesday | Model Selection, Exercise | |

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|--------------|-----------|----------|-----------|---|---------------|
| | | 27.02.25 | Thursday | Moving Beyond Linearity | Sara |
| | | 28.02.25 | Friday | Moving Beyond Linearity, Exercise | Sara |
| 10 | Module 8 | 05.03.25 | Wednesday | No class | |
| | | 06.03.25 | Thursday | Tree-based methods 1 | Sara |
| | | 07.03.25 | Friday | Tree-based methods 2 | Sara |
| 11 | Module 9 | 12.03.25 | Wednesday | Tree-based methods Exercise | |
| | | 13.03.25 | Thursday | Boosting and additive trees 1 | Sara |
| | | 14.03.25 | Friday | Boosting and additive trees 2 | Sara |
| 12 | Module 10 | 19.03.25 | Wednesday | Boosting and additive trees Exercise | |
| | | 20.03.25 | Thursday | Unsupervised learning 1 | Sara |
| | | 21.03.25 | Friday | Unsupervised learning 2 | Sara |
| 13 | | 26.03.25 | Wednesday | Unsupervised learning exercise/Compulsory 2 | |
| | | 27.03.25 | Thursday | Compulsory Exercise 2 | |
| | | 28.03.25 | Friday | Compulsory Exercise 2 | |
| 14 | Module 11 | 02.04.25 | Wednesday | Compulsory Exercise 2 | |
| | | 03.04.25 | Thursday | Neural Networks 1 | Sara |
| | | 04.04.24 | Friday | Neural Networks 2 | Sara |
| 15 | | 09.04.25 | Wednesday | Excursion (no lectures) | |
| | | 10.04.25 | Thursday | Excursion (no lectures) | |
| | | 11.04.24 | Friday | Excursion (no lectures) | |
| Easter Break | | | | | |
| 17 | Module 12 | 23.04.25 | Wednesday | Neural Networks Exercise | |
| | | 24.04.25 | Thursday | Summary and Outlook | Sara?/Steffi? |
| | | 25.04.25 | Friday | Question hour | Sara?/Steffi? |
| 18 | | 30.04.25 | Wednesday | | |
| | | 01.05.25 | Thursday | | |
| | | 02.05.25 | Friday | | |

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