

TMA4268 Statistical Learning V2021

Tentative weekly plan

| Semester | Date | Weekday | Topic | Room | Instructor |
|----------------|----------|---------|--|--------|---------------------|
| Week 1 | 11.01.21 | Monday | Introduction | Online | Steffi |
| | 12.01.21 | Tuesday | R-course | S8 | Steffi |
| | 12.01.21 | Tuesday | R-course | VE-E20 | Teaching assistants |
| Week 2 | 18.01.21 | Monday | Statistical learning 1 | Online | Steffi |
| | 19.01.21 | Tuesday | Statistical learning 2 (interactive lecture) | S8 | Steffi |
| | 19.01.01 | Tuesday | Statistical learning RecEx | VE-E20 | Teaching assistants |
| Week 3 | 25.01.21 | Monday | Linear regression 1 | Online | Steffi |
| | 26.01.21 | Tuesday | Linear regression 2 | S8 | Steffi |
| | 26.01.21 | Tuesday | Linear regression RecEx | VE-E20 | Teaching assistants |
| Week 4 | 01.02.21 | Monday | Classification 1 | Online | Steffi |
| | 02.02.21 | Tuesday | Classification 2 | S8 | Steffi |
| | 02.02.21 | Tuesday | Classification RecEx | VE-E20 | Teaching assistants |
| Week 5 | 08.02.21 | Monday | Resampling 1 | Online | Steffi |
| | 09.02.21 | Tuesday | Resampling 2 (interactive lecture) | S8 | Steffi |
| | 09.02.21 | Tuesday | Resampling RecEx | VE-E20 | Teaching assistants |
| Week 6 | 15.02.21 | Monday | Compulsory Exercise 1 | Online | Steffi |
| | 16.02.21 | Tuesday | Compulsory Exercise 1 | S8 | Steffi |
| | 16.02.21 | Tuesday | Compulsory Exercise 1 | VE-E20 | Teaching assistants |
| Week 7 | 22.02.21 | Monday | Model Selection, Regularization 1 | Online | Thiago |
| | 23.02.21 | Tuesday | Model Selection, Regularization 2 | S8 | Thiago |
| | 23.02.21 | Tuesday | Model Selection, Regularization RecEx | VE-E20 | Teaching assistants |
| Week 8 | 01.03.21 | Monday | Moving Beyond Linearity | Online | Thiago |
| | 02.03.21 | Tuesday | Off | | |
| | 02.03.21 | Tuesday | Moving Beyond Linearity RecEx | VE-E20 | Teaching assistants |
| Week 9 | 08.03.21 | Monday | Tree-based methods 1 | Online | Steffi |
| | 09.03.21 | Tuesday | Tree-based methods 2 | S8 | Steffi |
| | 09.03.21 | Tuesday | Tree-based methods RecEx | VE-E20 | Teaching assistants |
| Week 10 | 15.03.21 | Monday | Support Vector Machines 1 | Online | Steffi |
| | 16.03.21 | Tuesday | Support Vector Machines 2 (1 hour); Guest lecture 11-12h | S8 | Steffi |

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|----------------|---------------------|---------|----------------------------------|--------|---------------------|
| | 16.03.21 | Tuesday | Support Vector Machines RecEx | VE-E20 | Teaching assistants |
| Week 11 | 22.03.21 | Monday | Unsupervised learning 1 | Online | Thiago |
| | 23.03.21 | Tuesday | Unsupervised learning 2 | S8 | Thiago |
| | 23.03.21 | Tuesday | Unsupervised learning RecEx | VE-E20 | Teaching assistants |
| | Easter break | | | | |
| Week 12 | 12.04.21 | Monday | Compulsory Exercise 2 | Online | Steffi |
| | 13.04.21 | Tuesday | Compulsory Exercise 2 | S8 | Steffi |
| | 13.04.21 | Tuesday | Compulsory Exercise 2 | VE-E20 | Teaching assistants |
| Week 13 | 19.04.21 | Monday | Neural Networks 1 | Online | Steffi |
| | 20.04.21 | Tuesday | Neural Networks 2 | S8 | Steffi |
| | 20.04.21 | Tuesday | Neural Networks RecEx | VE-E20 | Teaching assistants |
| Week 14 | 26.04.21 | Monday | Summary and Outlook 1 | Online | Steffi |
| | 27.04.21 | Tuesday | Summary and Outlook 2, questions | S8 | Steffi |
| | 27.04.21 | Tuesday | Off | | |

Lecture times:

Monday, 14:15-16:00

Tuesdays, 10:15-12:00

Exercises:

Tuesdays, 16:15-18:00

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