MSc Advanced Statistics winter term 2024/25 – Course outline

Wednesday 16.10. Day 1	**Wednesday 23.10.** Day 2	**Wednesday 30.10.** Day 3	**Wednesday 06.11.** Day 4	**Wednesday 13.11.** Day 5
08:00– 10:00 **Introduction to lecture**	08:00– 10:00 **Linear Models I**	08:00– 10:00 **Linear Models II**	08:00– 10:00 **Generalized least squares**	08:00– 10:00 **Theory of mixed effects models**
Tutor hours 10:00– 12:00	Tutor hours 10:00– 12:00	Tutor hours 10:00– 12:00	Tutor hours 10:00– 12:00	Tutor hours 10:00– 12:00
Wednesday 20.11. Day 6	**Wednesday 27.11.** Day 7	**Wednesday 04.12.** Day 8	**Wednesday 11.12.** Day 9	**Wednesday 18.12.** Day 10
08:00– 10:00 **Praxis of mixed effects models**	08:00– 10:00 **Diagnostics of mixed effects models**	08:00– 10:00 **Inference in mixed effects models**	08:00– 10:00 **Refreshing GLMs**	08:00– 10:00 **GLMMs**
Tutor hours 10:00– 12:00	Tutor hours 10:00– 12:00	Tutor hours 10:00– 12:00	Tutor hours 10:00– 12:00	Tutor hours 10:00– 12:00
Wednesday 08.01. Day 11	**Wednesday 15.01.** Day 12	**Wednesday 22.01.** Day 13	**Wednesday 29.01.** Day 14	**Wednesday 05.02.** Day 15
08:00– 10:00 **Bayesian Mixed Effects Models I**	online lecture 08:00– 10:00 **Bayesian Mixed Effects Models II**		08:00– 10:00 **Q & A**	08:00-12:00 **EXAM**
Tutor hours 10:00– 12:00	Tutor hours 10:00– 12:00	Tutor hours 10:00– 12:00	Tutor hours 10:00– 12:00	