

Statistical Methods for Animal Experiments – winter term 2022/2023

Lecturers: Lothar Kreienbrock (LK), Fritjof Freise (FF)

Lecture (2 hours, room 217, Thursday, 9:15-10:45)

Exercise (2 hours, room 322, Thursday, 11:15 - 12:45)

	Date	Lecture (Instructor) <i>changes to the regular schedule</i>		Exercise (Instructor)	
1	20.10.2022	LK	Basics GCP, Planning of Experiments I		no exercise
2	27.10.2022	LK	Planning of Experiments II, Types of Experimental Designs	FF	Randomisation
3	03.11.2022	FF	Repetition I: Description, Distributions	FF	Planning of Experiments
4	10.11.2022	FF	Repetition II: Confidence Intervals, Statistical Tests	FF	Introduction to SAS EG, Data Management <i>Room 217</i>
5	17.11.2022	LK	ANOVA I: One-Way Classification	FF	Statistical Tests
6	24.11.2022	LK	ANOVA II: Blocked Designs, Two-Way Classification	FF	One-Way ANOVA
7	01.12.2022	LK	Regression I: correlation, linear regression	FF	Two-Way ANOVA
8	08.12.2022	LK	Regression II: multivariate and logistic regression	FF	Simple Linear Regression
9	15.12.2022	LK	Regression III: time series	FF	Multiple Linear and Logistic Regression
10	22.12.2022	LK	Survival Analysis	FF	Time series
11	05.01.2023	LK	Meta-Analysis	FF	Survival Analysis
12	12.01.2023	LK	Sample Size Calculation	FF	Meta-Analysis in R and SAS
13	19.01.2023	LK FF BH	Exercise and Workshop: Sample Size Calculation		
14	17.02.2023	LK	General Repetition		
	24.02.2023	FF	mandatory Exam (room 214 and 216)		
	31.03.2023	FF	mandatory Exam, repetition (room 214 and 216)		