

Statistical Methods for Animal Experiments – Winter Term 2023/2024

Lecturers: Lothar Kreienbrock (LK), Fritjof Freise (FF), Julia Stoffregen (JS), Bernhard Hiebl (BH)

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

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

changes to the regular schedule are marked

	Date	Lecture (Instructor)		Exercise (Instructor)	
1	19.10.2023	LK	Basics GCP, Planning of Experiments I	FF	Introduction to SAS Studio, Data Management
2	26.10.2023	LK	Planning of Experiments II, Types of Experimental Designs	FF	Randomisation
3	02.11.2023	LK	Repetition I: Description, Distributions	FF	Planning of Experiments
4	09.11.2023	LK	Repetition II: Confidence Intervals, Statistical Tests <i>Room 216</i>	FF JS	Data Description and Graphical Presentation of Data <i>Wednesday, 08.11.2023</i>
5	16.11.2023	LK	ANOVA I: One-Way Classification	FF	Statistical Tests
6	23.11.2023	LK	ANOVA II: Blocked Designs, Two-Way Classification	FF	One-Way ANOVA
7	30.11.2023	LK	Regression I: correlation, linear regression	FF	Two-Way ANOVA
8	07.12.2023	LK	Regression II: multivariate and logistic regression	FF	Simple Linear Regression
9	14.12.2023	LK	Regression III: time series	FF	Multiple Linear and Logistic Regression
10	21.12.2023	LK	Survival Analysis	FF	Time series
11	04.01.2024	LK	Meta-Analysis	FF	Survival Analysis
12	11.01.2024	LK	Sample Size Calculation	FF	Meta-Analysis in R and SAS
13	18.01.2024	LK FF JS BH	Exercise and Workshop: Sample Size Calculation in Formal Application of Animal Experiments		
14	25.01.2024	LK	General Repetition		
	12.03.2024	FF	Mandatory Exam (room 217)		
	12.04.2024	FF	Mandatory Exam, repetition (room 217)		