

	Topic	Type	Day	Date	Time	Room/zoom
	0 Set-up of R, Rstudio & other technical/formal issues	Tutorial	Tuesday	2021.10.26	17:00 - 19:00	17:00 - 18:00 in room HS 2 at the HPI 18:00 - 19:00 via zoom
Block A:	1 Course overview & Introduction to R, data analysis	Lecture	Thursday	2021.10.28	15:15 - 18:30	zoom
		Tutorial	Tuesday	2021.11.02	17:00 - 18:30	
Basics in R and descriptive statistics	2 First steps in data analysis using R	Lecture	Thursday	2021.11.04	15:15 - 18:30	
		Tutorial	Tuesday	2021.11.09	17:00 - 18:30	
		Lecture	Thursday	2021.11.11	15:15 - 18:30	
Block B:	4 Epidemiological study designs and study planning	Lecture	Thursday	2021.11.18	15:15 - 18:30	
		Tutorial	Tuesday	2021.11.23	17:00 - 18:30	
	5 Estimation	Lecture	Thursday	2021.11.25	15:15 - 18:30	
		Tutorial	Tuesday	2021.11.30	17:00 - 18:30	
		Lecture	Thursday	2021.12.02	15:15 - 18:30	
6 Hypothesis testing	Tutorial	Tuesday	2021.12.07	17:00 - 18:30		
	Lecture	Thursday	2021.12.09	15:15 - 18:30		
7 Missing data	Tutorial	Tuesday	2021.12.14	17:00 - 18:30		
	Lecture	Thursday	2021.12.16	15:15 - 18:30		
Block C:	8 Linear regression I	Tutorial	Tuesday	2022.01.11	17:00 - 18:30	
		Lecture	Thursday	2022.01.13	15:15 - 18:30	
Investigating research questions in real data using statistical regression models	9 Linear regression II	Tutorial	Tuesday	2022.01.18	17:00 - 18:30	
		Lecture	Thursday	2022.01.20	15:15 - 18:30	
	10 Regression models for binary and count data	Tutorial	Tuesday	2022.01.25	17:00 - 18:30	
		Lecture	Thursday	2022.01.27	15:15 - 18:30	
	11 Analysis of variance & linear mixed models I	Tutorial	Tuesday	2022.02.01	17:00 - 18:30	
		Lecture	Thursday	2022.02.03	15:15 - 18:30	
	12 Linear mixed models II & Meta analysis	Tutorial	Tuesday	2022.02.08	17:00 - 18:30	
		Lecture	Thursday	2022.02.10	15:15 - 18:30	
	13 Survival analysis	Tutorial	Tuesday	2022.02.15	17:00 - 18:30	
		Lecture	Thursday	2022.02.17	15:15 - 18:30	
14 Causal inference & Data analysis challenge	Lecture	Thursday	2022.02.17	15:15 - 18:30		

Plan as of October 19, 2021. Subject to change.

Prerequisite: Access to laptop in class with R and RStudio installation.

Helpful background: Introduction to programming class such as the 'Fundamentals of Programming' class by Prof. Arnrich.

Condition for admission to final exam: Hand in solutions to 10 of the 12 weekly assignments (no assignment in lectures 8 & 14)

Final grade: Open book take home final exam containing a real-data analysis which is handed out February 16, 2022, to be handed in by March 16, 2022.