



## Vorlesungsverzeichnis Frühjahrssemester 2025

Druckdatum: 18.01.2026

Link: [https://studentservices.uzh.ch/uzh/launchpad?sap-language=DE&sap-ui-language=DE#ZVVZ-display&/details/2024/004/SM/51259815/50000007/Philosophische%2520Fakult%25C3%25A4t/50896641/Master%2520of%2520Science%2520in%2520Psychologie%2520\(RVO19\)/50905819/Psychologie](https://studentservices.uzh.ch/uzh/launchpad?sap-language=DE&sap-ui-language=DE#ZVVZ-display&/details/2024/004/SM/51259815/50000007/Philosophische%2520Fakult%25C3%25A4t/50896641/Master%2520of%2520Science%2520in%2520Psychologie%2520(RVO19)/50905819/Psychologie)

### Modul Dirty Data: Outliers and Missing Values in Statistics and Psychology

06SM200m800b / Modul

#### Beschreibung:

##### Allgemeine Beschreibung:

This seminar focuses on two practical issues that are commonly encountered in the statistical analysis of real-world psychological data, namely outliers and missing values. If addressed improperly, such "messy" data can invalidate the findings of any empirical study. The course's goal is to provide students with a toolbox of methods that they can use in their master theses and beyond to properly address outliers and missing values. The course adopts a "hands-on" approach in the sense that the students will learn how to deal with these issues from a practical perspective through computer exercises on real-world data, using the statistical programming environment R. If time permits, the following topics will be covered: Mechanisms and methods for missing values Outlier-robust methods for mean, variance, and correlation Outlier-robust linear regression Robustness in psychometrics

ECTS: 4

##### Hinweise:

Dieses Modul steht nur Studierenden des Master of Science in Psychologie (RVO19) offen. This module is only open to students of Master of Science in Psychology (RVO19).

##### Lernziel:

At the end of the course, students are able to analyze datasets containing missing values and/or outliers using the methods covered. In particular, they can use software for outliers and missing values in the statistical programming environment R and know the "do"s and "don't"s of working with messy data. They are able to identify possible issues stemming from missing values and outliers, know how to overcome them methodologically, intuitively describe the covered methods, and know how apply them in practice by using software in R.

##### Unterrichtssprachen:

Englisch

##### Merkmale:

Zielgruppe: Für Englischsprachige geeignet

##### Modulverantwortlicher:

Carolin Strobl

#### Anforderungen:

##### Leistungsnachweis:

Individual takehome assignment ("Hausarbeit" in German) towards the end of the course which the students have one week to complete. The students need their own laptop with up-to-date versions of R and R-Studio installed for the final assignment.

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##### Notenskala:

1-6, in Halbschritten

##### Repetierbarkeit:

keine Wiederholungsmöglichkeit

#### Organisation:

##### Angebotsmuster:

1-semesterig (einmalig)

##### Anfragefrist:

von Mi 15.01.2025 10:00 bis Di 28.01.2025 24:00



Platzzuteilung spätestens: Sa 01.02.2025 22:00

Nachrückfrist: von Sa 01.02.2025 22:00 bis Do 13.02.2025 24:00

Stornierungsfrist: von Sa 01.02.2025 22:00 bis So 16.02.2025 24:00

Organisation: Psychologisches Institut

Angeboten im: Frühjahrssemester 2025

**Teil von:**

<b>Philosophische Fakultät</b>	
<b>Psychologie</b>	
Mono 120	Master of Science in Psychologie (RVO19) Fortgeschrittene Methoden

**Lehrveranstaltungen:**

Lehrveranstaltung	Beginn/Ende	Termin	Dozierende
<b>Seminar</b>			
<b>Dirty Data: Outliers and Missing Values in Statistics and Psychology</b>	18.02.2025 27.05.2025	Di 10:15-12:00	Max Welz
06SE200m800b			