



Introduction to Multilevel Analysis (S14)

05-07 July 2023

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| Day | Time | Type | Description | Location |
|-----------|---------------------|--------------|---|--|
| Wednesday | 09:30 - 12:30 | Lecture | Introduction - When and why multilevel analysis - Course goals - Overview of course - The basic two-level regression model - An example with two levels of nesting | Ruppert building , Room 111 |
| | 12:30 - 13:30 | Lunch | In Educatorium | |
| | 13:30 - 16:30 | Computer Lab | Data analyses in R | |

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|----------|---------------------|--------------|--|--|
| Thursday | 09:30 - 12:30 | Lecture | Statistical and methodological issues - Analysis strategy - Intraclass correlation coefficient - Explained variance - Standardized coefficients - Assumptions - Categorical variables - Three level model - Centering of variables | Ruppert building , Room 111 |
| | 12:30 - 13:30 | Lunch | In Educatorium | |
| | 13:30 - 16:30 | Computer lab | Data analyses in R | |



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|--------|---------------------|--------------|--|---|
| Friday | 09:30 - 12:30 | Lecture | Longitudinal data - MANOVA approach - ML-longitudinal approach - Fixed measurement occasions - Varying measurement occasions | Ruppert building, Room 111 |
| | 12:30 - 13:30 | Lunch | In Educatorium | |
| | 13:30 - 16:30 | Computer lab | Data analyses in R | |