



A Hands-on Introduction to Event-Related Potentials

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Aim of this course

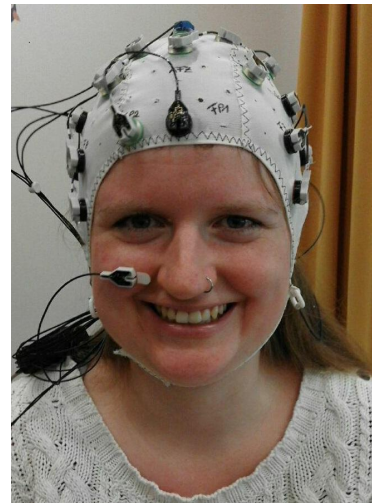
- learn how to design, conduct, and analyze ERP experiments
- get hands-on experience with Fieldtrip, a free, open-source toolbox for EEG analysis
- learn how to evaluate the methods sections of ERP papers

Who am I?

Mariella Paul

currently a PhD student at Berlin School of Mind and Brain and Max Planck Institute for Human Cognitive and Brain Sciences

Investigating artificial grammar learning during early childhood and adulthood using EEG and eyetracking





Syllabus

Day 1	Intro to EEG, Matlab + Fieldtrip Programming Principles
Day 2	Reading and Re-referencing data, Filters, Segmentation
Day 3	Artifact Rejection and Correction
Day 4	Averaging, Statistical Analysis
Day 5	Methods Sections, Recap, final exam (multiple choice)