



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

DIPARTIMENTO
DI PSICOLOGIA
"RENZO CANESTRARI"

PhD Program in Psychology

Seminar "Methods of lesion brain mapping in stroke patients"

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Abstract

This seminar aims to equip participants with the skills to design experiments, collect, analyze and interpret data from a neuropsychological population. A brief introduction to current state-of-the-art methods and an overview of the entire lesion-symptom mapping pipeline will be provided to participants. During the seminar, students will be engaged in hands-on activities to practical steps of lesion-symptom mapping, preparing them to apply this knowledge in their own research. A practical demonstration of normalisation and statistical lesion analysis in NPM will be provided.

Suggested reading:

de Haan, B., & Karnath, H. O. (2018). A hitchhiker's guide to lesion-behaviour mapping. *Neuropsychologia*, *115*, 5–16. <https://doi.org/10.1016/j.neuropsychologia.2017.10.021>