



Universität Hamburg

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## Representational Similarity Analyses of fMRI data

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20<sup>th</sup> to the 21<sup>st</sup> of June, 13:00 to 17:00 on both days

Online via Zoom

### Day 1:

- Introduction into multivariate analyses of fMRI data
- Specifics of Representational Similarity Analyses (RSAs)
- Prepare fMRI data for RSAs
- Run ROI-based RSA in MATLAB (code example and practice)
- Second-level analysis using R (code example/ practice)

### Day 2:

- Introduction into Searchlight analyses
- Run a Searchlight-RSA using MATLAB (code example and practice)
- Second-level analyses using SPM (practice)
- Introduction into model-based RSAs
- Run model-based RSA using MATLAB (practice)
- Using toolboxes for RSAs (code examples)