

3. Modelling Symposium Introducing MultiVariate Pattern Analysis using CoSMoMVPA



Magdeburg,
22.07-26.07.2019
Gebäude 28, R.27

Speaker

Dr. Nikolaas N. Oosterhof



He worked with James Haxby at the CIMeC and his research focuses on the cognitive and neural representation of actions and attention. In this line of research data is acquired with functional magnetic resonance imaging (fMRI) and magnetoencephalography (MEG) and analyzed using multi-variate pattern analysis (MVPA). Besides empirical

work, he was also involved in the development of the [PyMVPA](#) (Python) and [CoSMoMVPA](#) (Matlab) toolboxes.

Monday

- 09.00 - 10.30: General introduction
Break
- 11.00 - 12.30: Getting started
Break
- 14.00 - 15.30: Split-half correlations
Break
- 16.00 - 17.30: Classification analysis
Break
- 17.40 - 18.30: OPTIONAL - Discussing your data models

Tuesday

- 09.00 - 10.30: Classification with cross-validation
Break
- 11.00 - 12.30: CoSMoMPVA measures part 1
Break
- 14.00 - 15.30: CoSMoMPVA measures part 2
Break
- 16.00 - 17.30: Neighborhoods and searchlight basics
Break
- 17.40 - 18.30: OPTIONAL - Discussing your data models

Thursday

- 09.00 - 10.30: Whole brain fMRI searchlight.
Break
- 11.00 - 12.30: M/EEG searchlight part 1
Break
- 14.00 - 15.30: M/EEG searchlight part 2
Break
- 16.00 - 17.30: M/EEG time generalization
Break
- 17.40 - 18.30: OPTIONAL - Discussing your data models

Friday

- 09.00 - 10.30: Present your data
Break
- 11.00 - 12.30: Representational similarity analysis
Break
- 14.00 - 15.30: Surface-based searchlight
Break
- 16.00 - 17.30: Multiple comparison correction/Concluding remarks

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