3. Modelling Symposium Introducing MultiVariate Pattern Analysis using CoSMoMVPA

CoSMo MVPA

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.

www.noesseltlab.org

ABINEP SFB 779 Neurobiologie motivierten Verhaltens OTTO VON GUERICKE UNIVERSITÄT MAGDEBURG cbbs center for behavioral brain sciences

EUROPÄISCHE UNION EFRE Europäischer Fonds für regionale Entwicklung SACHSEN-ANHALT EUROPÄISCHE UNION ESIF Europäische Struktur- und Investitionsfonds

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