SIGNAL PROCESSING IN MNE: DAY 3

4 – COURSE CONCLUSION

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EINSTEIN CENTER Neurosciences

ICN Interventional & Cognitive Neuromodulation

Brain and Data Science QAI LABS

bccn berlin

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Course content

Handling data
- Timeseries data
- Epoched data

Preprocessing
- Filtering
- Artefact rejection
- Forward and inverse modelling

Analysis
- Spectral analysis
- ERPs
- Connectivity analysis

Much more to see…

- Manual annotation of data
  MNE tutorial
- Statistical analyses
  `mne.stats` module
- Realtime data streaming
  `mne-realtime` package
  `mne-lsl` package
- Decoding & ML tools
  `mne.decoding` module
- Simulation tools
  `mne.simulation` module
- Dedicated visualisation module
  `mne.viz` module

Useful resources

MNE documentation – API & tutorials

mne.tools/stable/

Discourse forum – Q&A

mne.discourse.group

Thank you!