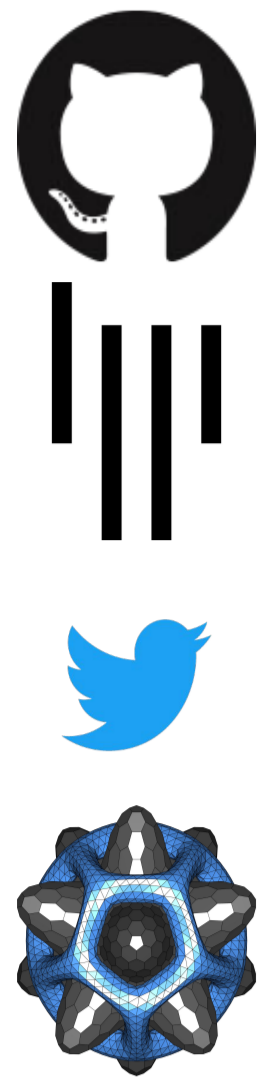


MNE-BIDS MNE-Python + BIDS = easy dataset interaction



Repository: <https://github.com/mne-tools/mne-bids>

Chat on Gitter: <https://gitter.im/mne-tools/mne-bids>

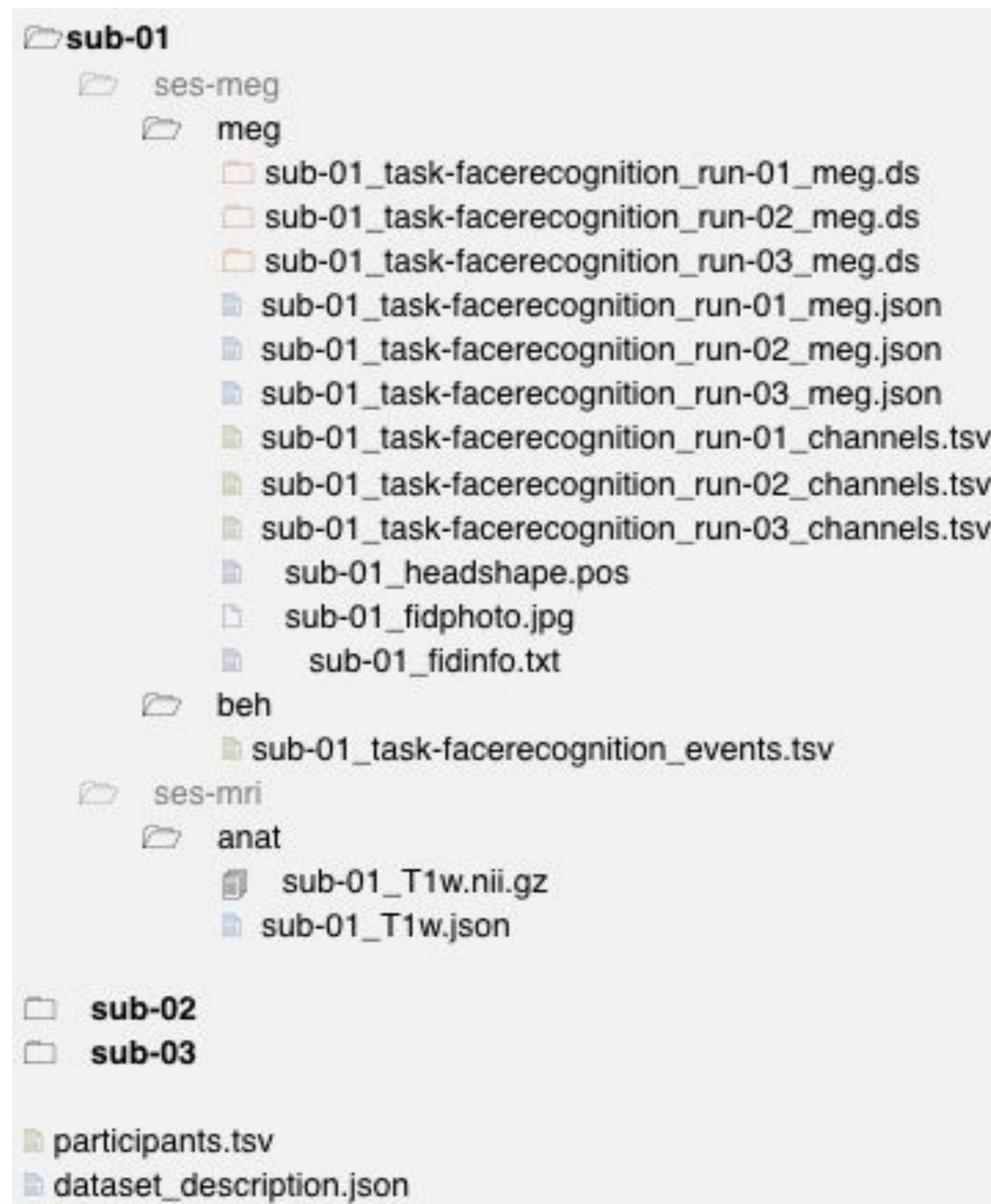
Twitter channel: [@mne_news](https://twitter.com/mne_news)

Published in JOSS:
<https://doi.org/10.21105/joss.01896>

Project Goal

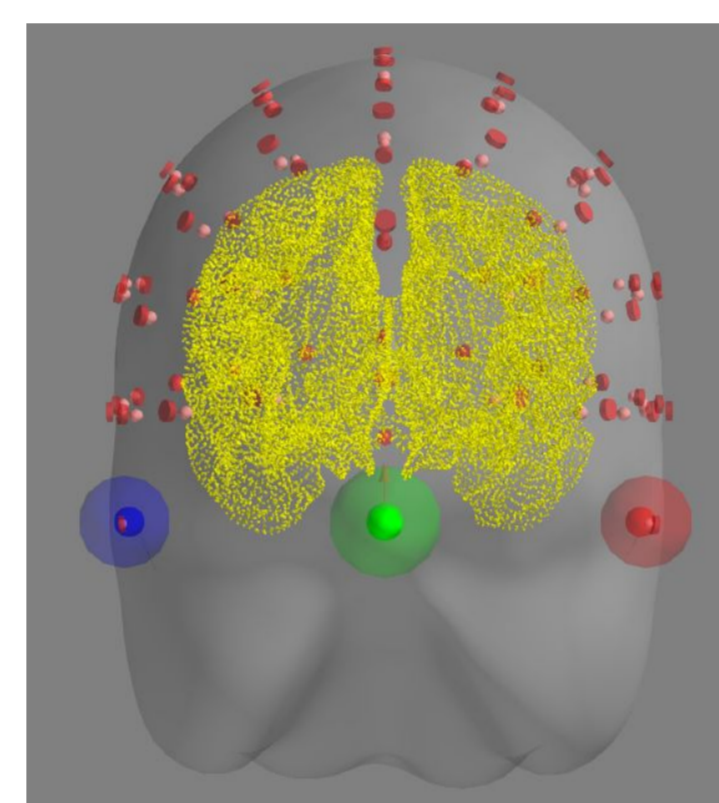
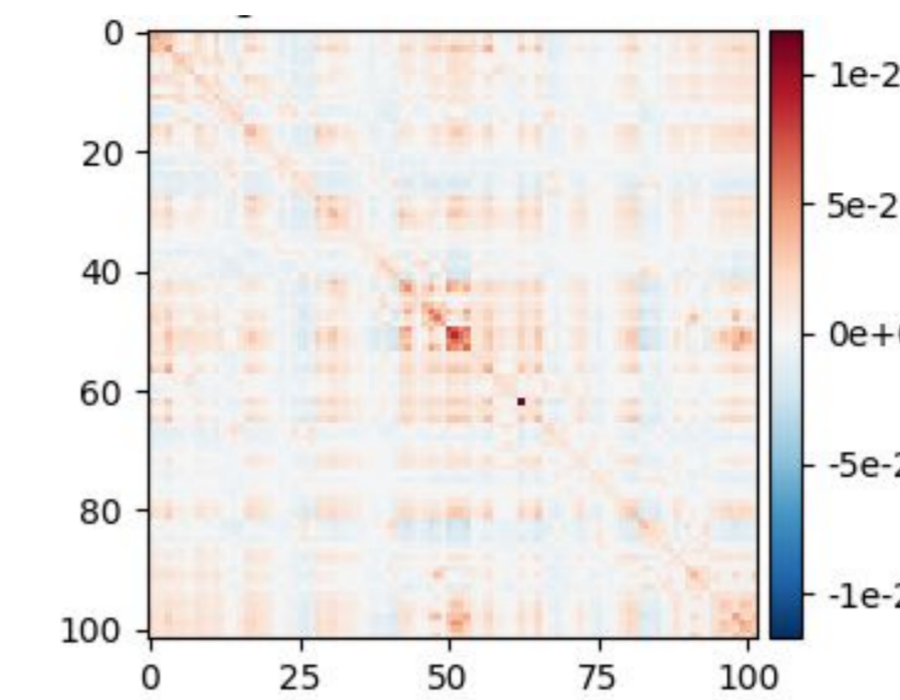
Link [BIDS](#) and [MNE-Python](#) with the goal to make neuroimaging data analyses:

- faster to code
- more robust to errors
- and easily shareable with colleagues



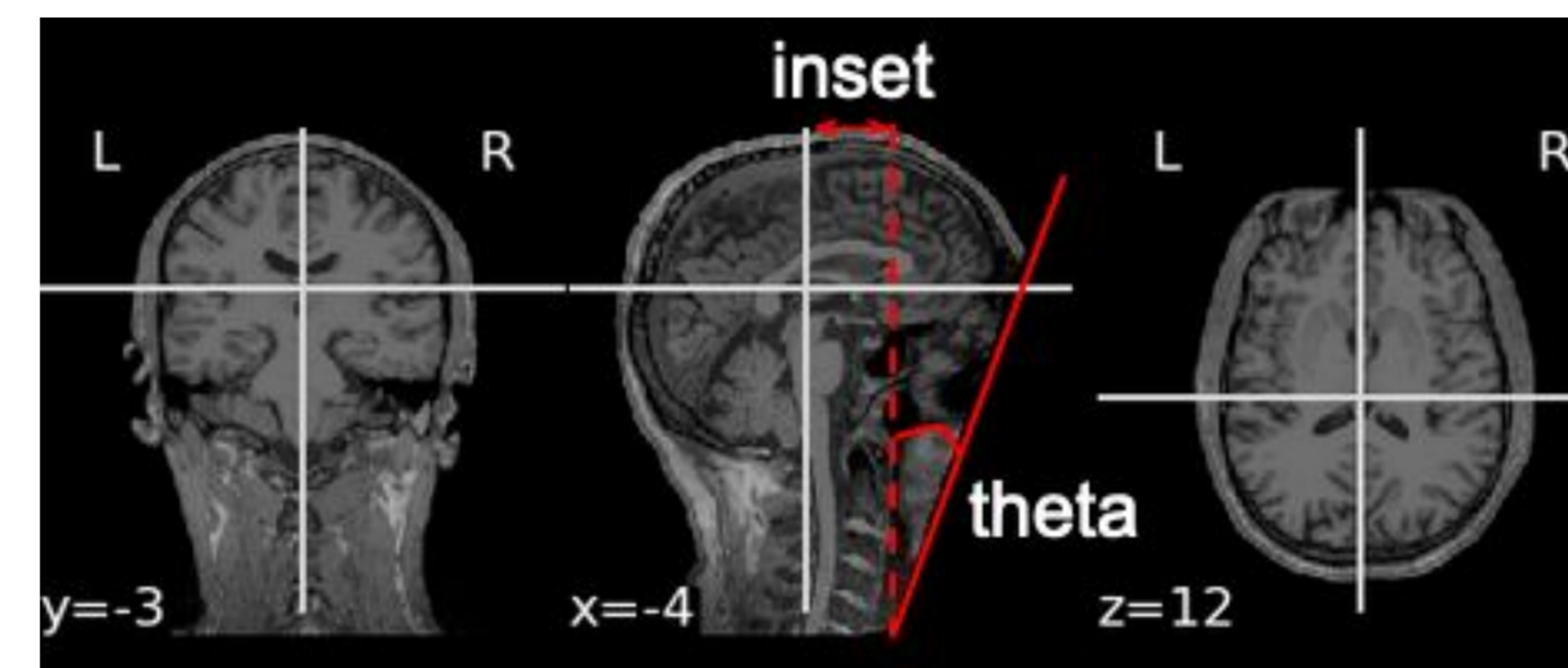
Unique features

- Automatic noise covariance retrieval



- Coordinate transformations and coregistration

- Full dataset anonymization



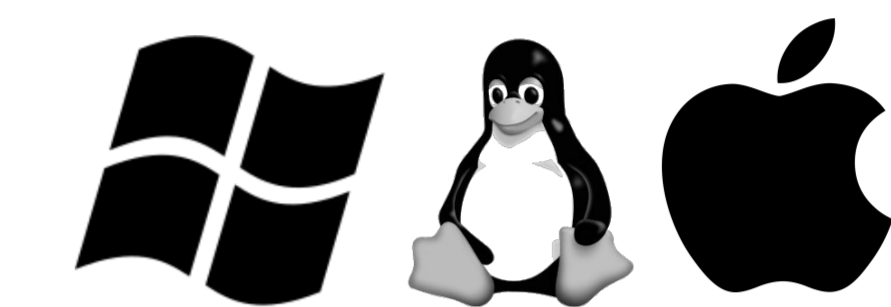
- Automatic export to BrainVision data format via [pybv](#) for EEG & iEEG

Read and write to BIDS

```
>>> from mne_bids import
      write_raw_bids, read_raw_bids
>>> write_raw_bids(raw, fname, root)
>>> raw = read_raw_bids(fname, root)
```

Software development

- MEG, iEEG, EEG data supported
- Validated against [bids-validator](#)
- Unit-tested and compatible with



- Command line interface available
- Well-commented code base



Future Directions

- Use MNE-BIDS in fully automated analysis pipelines: [MNE-Study-Template](#)
- Support for NIRS data

Get involved!

BIDS and MNE-BIDS are **community driven projects**.

- [BIDS Contributing Guide](#)
- [MNE-BIDS Contributing Guide](#)