INCF Working Group on checklists from transparent methods reporting in neuroscience (eCobidas)

Tags: working group, neuroimaging, checklist, best practices

Status:

Active

Chairs (name and institution)

Remi Gau, Université Catholique de Louvain

Link to Contact form: "Join this WG" [contact form URL]

About

Turning the [COBIDAS](#) recommendations and guidelines into a series of checklists hosted on a website lets users report information faster and with more detail. The output, in the form of a small machine readable text file, summarizes what option was chosen for each item of the checklist and can be the foundation of a Methods section. This will enhance adoption and use of emerging neuroimaging standards such as BIDS and fMRIprep, facilitate data sharing and pre-registration, and help with peer-review.

The groups envisions that using checklists to report methods and results can:
- Provide comprehensive human and machine readable descriptions of the data collection and analysis pipelines to reduce inefficiencies and frictions in reuse
- Facilitate the creation and preparation of pre-registration and registered reports, and help users think about and create pipelines before they start collecting data
- Help make peer-review more objective: by supplying an app to check pipelines
- Facilitate systematic literature reviews and meta-analyses
- Facilitate data sharing

The implementation of this project should remain flexible enough to accommodate the inclusion of new items in the checklist as new methods mature, and reusable to enable easily setting up a checklist website for a different field.

See project goals and progress on GitHub ([link](#))

Aims

This group aims to make the COBIDAS reports for MRI and MEEG research, as well as similar guidelines for methods reporting in other fields, easier to use by automatizing table checks and generate 'method' text.

Follow this WG on github
https://remi-gau.github.io/eCobidas/]

How we work:

Monthly virtual meetings to synchronise work that can happen asynchronously in between. Some "sprints" are usually also organized for hackathons and brainhack events.

If you only want updates about the progress of the project (meeting minutes, announcement of coming hackathons...), you can join our [google group](#).

For more frequent and "behind the scenes" updates about making the project move forward you can join the [`cobidas_checklist` channel](#) on the brainhack mattermost.

Deliverables (link to actual, state expected)

Checklist for MRI (expected)
Checklist for MEG/EEG (expected)

Members [Firstname Lastname, Institution]

Remi Gau, Université Catholique de Louvain
Cyril Pernet, [in transition TBU - University of Edinburgh, until April 2021]
Sanu Ann, Massachusetts Institute of Technology
Other members