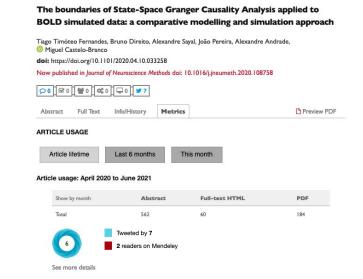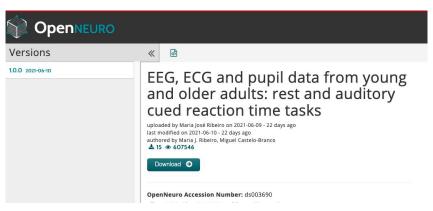# Ambitions of the EU's open science policy

- Open Data
- European Open Science Cloud (EOSC)
    - Repositories (findable, accessible)
- New generation metrics (altmetrics)
    - social networks, general public engagement, etc.
- Future of scholarly communication
    - open access, preregistration, preprint
- Rewards
    - Research career evaluation systems should fully acknowledge open science activities.
- Research integrity & reproducibility of scientific results
    - e.g. Standards: Data Citation | Data, Materials, and Code Transparency | Design and Analysis | Preregistration | Replication
- Education and skills
- Citizen science
    - General public

https://ec.europa.eu/info/research-and-innovation/strategy/strategy-2020-2024/our-digital-future/open-science_en

Within the research group

Objectives?

- Open access
    - effort to make our publications open access, make available as preprints (e.g. bioRXiv)
- Open data
    - Although our data is often sensitive and protected by RGPD guidelines, we should aim to share as much data as possible - standardized raw data (anonymized) and analysis scripts
        - Need a in-house repo?
- Open Methods and source
    - A fundamental part of our science is the development and application of dedicated neuroimaging, experimental toolboxes. These toolboxes, as well as more general methods may be accessed using WIKIs
    - Additionally, we have github team that brings together code created at CIBIT.
- Open education
    - Promote open talks, debates, journal clubs, data talks and make them available (e.g. youtube channel?, publish slides)
        - internal and external speakers

The boundaries of State-Space Granger Causality Analysis applied to BOLD simulated data: a comparative modelling and simulation approach

Tiago Timóteo Fernandes, Bruno Direito, Alexandre Sayal, João Pereira, Alexandre Andrade, Miguel Castelo-Branco

| Abstract | Full Text | Info/History | **Metrics** | | 🗎 Preview PDF |

ARTICLE USAGE

| Article lifetime | Last 6 months | This month |

Article usage: April 2020 to June 2021

Show by month	**Abstract**	**Full-text HTML**	**PDF**
Total	562	60	184

OpenNEURO

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1.0.0 2021-06-10		

EEG, ECG and pupil data from young and older adults: rest and auditory cued reaction time tasks

uploaded by Maria José Ribeiro on 2021-06-09 - 22 days ago
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OpenNeuro Accession Number: ds003690

A lab Wiki

- Free, open source web application that connects, standardizes, shares and supports the research group workflow
- This will support scientists to increase the efficiency and effectiveness of their research
    - Can bridge gaps in researcher-to-researcher knowledge transfer
    - Researchers may use wiki to document, archive, share best practices, materials, and/or policies.

How to contribute to this wiki
- Fork the rep https://github.com/CIBIT-ICNAS/wiki
- Make local changes
- Commit your changes (`git commit -m 'Add some feature'`)
- Push to the rep (`git push origin main`)
- Create a new Pull Request

Examples of other research groups

- Aly lab
    - https://osf.io/mdh87/wiki/home/
- Dantzer lab wiki
    - https://osf.io/7npfy/
- KH Lab wiki
    - https://wikis.utexas.edu/display/khlab/KH+Lab+Wiki+Home
- Memory, Aging, & Cognition Lab
    - https://osf.io/57qte/wiki/home/

A qualquer momento, todos podem contribuir

How to contribute to this wiki

- Fork the rep https://github.com/CIBIT-ICNAS/wiki
- Make local changes
- Commit your changes (git commit -m 'Add some feature')
- Push to the rep (git push origin main)
- Create a new Pull Request

The lab wiki also includes edit histories for each page.

Mistakes can be "rolled back"/discarded; nothing is permanent and mistakes can be easily fixed.

Let's go for a walk.

https://cibit-icnas.github.io/wiki/

Great, but we need to agree on some things. Let's discuss.

- Content creation becomes a community effort with a lab wiki and should be managed.
    - All lab members have edit permission?
    - If there is uncertainty in material, members are advised to?
        - add?
        - ask?
- Who serves as the editor
    - PI?
    - board of senior members?
- Management is minimal, members feel free to contribute, and disasters are correctable - but we need some guiding rules!

Housekeeping

- Add calendars to #communication
    - Only with "view" permission
- Joining the lab
    - need contributions / suggestions
- Lab meetings
    - add calendar
    - add events
        - future
        - past
- Open science
    - include standards?
- Outreach
    - #CIBIT in use - change to #CIBIT-UC?
- Be careful - do not expose your mail xxx@uc.pt and avoid spam and other scams - use "xxx [at] uc.pt" instead

"We are looking for editors"! (this is a open document, but you know what i mean)

Topics

- Code of conduct (a discutir com a direção)
- Manutenção da wiki (mensal? - aberta a todos)
    - agenda de eventos (semanal - atribuir responsável?)
        - outreach
    - arquivar lab meeting (semanal - atribuir responsável?)
    - #wiki no Discord
- Joining the lab
    - First steps at CIBIT
- Personal pages (todos os investigadores)
- (/Resources/Tools and techniques) Neuropsychological tests
- /Resources/Software

What's next?

- meeting next week?
- And then? regular meeting (very quick, over the "coffee machine" meetings)
    - 10 minutes before these lab meetings?