Fondamentaux de la recherche reproductible et du logiciel libre
Fundamentals of reproducible research and free software

Miguel Colom

November 20, 2024

TP #3

In this last TP you'll work on the writing aspects of the scientific article associated to the project you have chosen.

It's possible that your project is not associated to any scientific publications. In that case, you need explain that in your final report and pick an scientific article which has some relationship with your project (for example, if your project is about a library, you could choose a scientific article which implements a method using that library).

The goal is to analyze the article and evaluate it with a particular focus on aspects related to reproducibility and overall quality. You're free to decide what is relevant and therefore go deeper in your study.

You need to check the level of reproducibility of the article by yourselves, by obtaining the same research artifacts which are shown in the article. Also, checking that the implementation matches accurately any pseudocodes is the article should be, of course, the core of your study. Also the availability and FAIRness[1] of the data.

You may complete your study with other topics that we've seen in the course or come up with different elements. For example, the structure of the article, the quality of the writing and the quality of the code, how substantial the discussion is, how adequate the experimental setup is to support the claims of the authors, the format for the research artifacts, and any other elements which help assess the reproducibility and overall quality of the publication.

---

[1]FAIR: findability, accessibility, interoperability, reusability.