

# Journal Club: Tools for Digital Open Science

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## Paper

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Digital open science -

Teaching digital tools for reproducible and transparent research

Toelch U, Ostwald D (2018)

## Course Content

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The Course:

- Session I Introduction to open science
- Session II Preregistration
- Session III Data Repositories (OSF, Dataverse, Zenodo, FAIR data)
- Session IV Code Management (Git, Notebooks)
- Session V Open Access (publication process, preprints, licencing)
- Session VI Chances and Limitations of Open Science
- Course Project: Implement what you learnt

## Course Context

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MSc of PhD level course

Life Science as main target audience

60 hrs total with 15-20 hrs lectures/tutorials

Narrative: Replicate a study from your field of interest

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## **Final Course Project**

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Aim: Integrate what you learnt into your workflow

## Course Evaluation and Tips

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- tailor course to scientific fields/ institutes
- 1/3 of respondents had NO plans to use version control in their projects
- incorporate in existing coursework (either content or ethics or data management course)

## What's next?

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### Discussion Questions:

- Do you know a (mandatory?) course where open science content could be added?
- What about the Bachelor Students?
- What do you think about field-specific courses?
- What about the argument that a reproducible workflow makes your own life easier?
- When is the best time to learn about OS tools?