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Open Science Framework (OSF)

Nick Rochlin, Data Science Librarian
UVic Libraries

Session Overview

- Introduce OSF and its role in research as a storage, collaboration, and sharing platform

- Present all project files, folders, and how the workflow will work for this course

- Discuss concepts of version control and how OSF will be used throughout this course

- Fill in sections of DMP with DMP Assistant

What is OSF?

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- An online data storage platform that supports good RDM practices and facilitates collaboration, transparency, and reproducibility in research.

- Does this by provisioning descriptive metadata, version control, access restrictions, persistent identifiers, and regional cloud storage options.

- Has built-in connections to various other research platforms to act as a centralized hub for research projects.
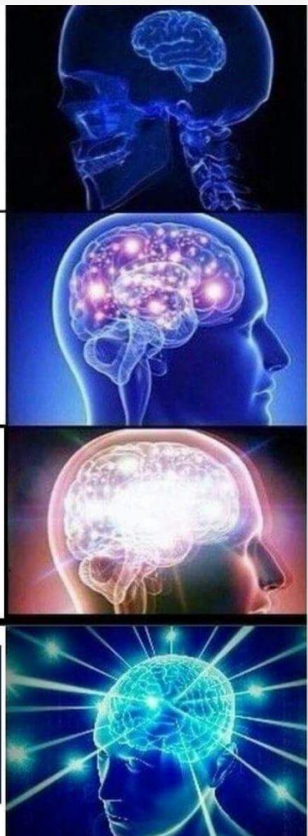
Getting Started

- You will hopefully have already set up an account with OSF, but if not, follow instructions on session webpage.

- For this course there is a template set up for you to fork (copy), which can be found on the session webpage.

Why Use OSF?

Version Control

What is Version Control?

What is Version Control?

- A system to keep track of your files as they undergo transitions throughout collection, analysis, reporting, and storage.

- The goal of version control is to provide a light audit trail to be able to discern:
  - What changed
  - When it changed
  - How it changed
  - Who changed it

Types of Version Control

- **Manual version control**

    - Accomplished using file naming conventions
    - Most common systems include:
        - Adding a version after a file name (ie. _v01, _v02, etc.)
        - Adding editor initials after a file name (ie. _NR, ie. _BN)

    - We will be covering file naming conventions more in the next block – stay tuned!

Types of Version Control

- **Automated version control**

    - Computing applications that employ metadata to capture similar information to that of manual naming systems
    - Some systems can be quite complex and don't lend themselves well to every type of project/workflow
    - For this course, well be using the automated version control system in OSF

Getting Started

- The steps that we'll be covering in this session include:
    - General introduction
    - Setting storage preferences
    - Forking the project template
    - Naming your project
    - Adding a description
    - Adding collaborators
    - Working with the wiki
    - Reviewing file organization
    - Downloading files
    - Uploading/version controlling files

Let's Go!

Questions?