9 Reproducible Research Things
A checklist for researchers

1. Documentation

Document all the procedures for your study so that others can understand and reproduce your findings. Record your procedures in an open text format.
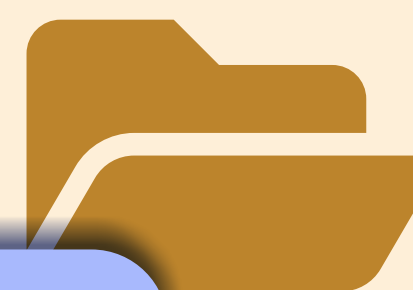
2. File naming

Click any icon for more info

Name your files consistently and logically so that they are easier to find later. Establish a consistent naming convention at the beginning of your project and stick to it.
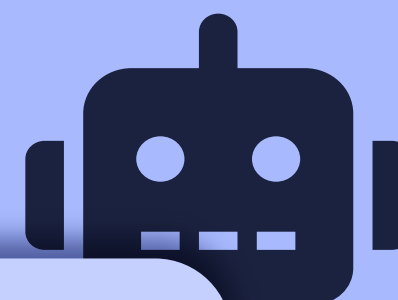
3. Folder structure

Create a standard folder structure to keep files organised. Prefix folders by number to reflect your workflow steps.
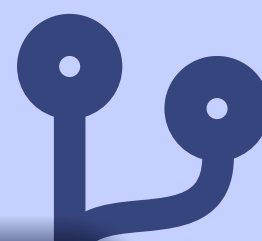
Record the folder contents in a README.txt file.

4. Automation

Automate repetitive tasks to save time and reduce potential errors.

Options include spreadsheet macros, reusable scripts, and programming pipes and loops.

5. Version control

A version control system allows users to keep track of changes to your data, files or processes.

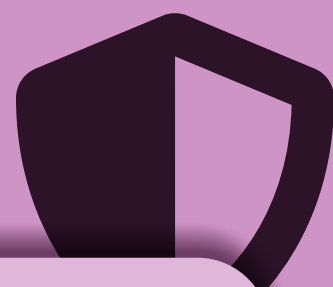Keep master files separate. Use copies of the data for processing.

6. Cloud backups

Keep a copy of all your data (working, raw and completed) in cloud-based storage.

Griffith offers different types of cloud storage designed especially for research.

7. Security

Use a password manager.

Establish strong passwords, encrypt your computer's hard drive and use VPN when connecting to Griiffith's network from home.

8. De-identification

De-identify or separate sensitive data early, to protect privacy of participants, vulnerable species or locations. Replace identifiers with codes or keys.

9. Object IDs

Assign a DOI and Persistent identifier (PID) to completed research data, publications and other output. Find out how these increase the discoverability of your research.