Reproducible Research Code

Help a colleague reproduce a research result without relying on your machine or undocumented setup knowledge.

Audience	Researchers whose code, models or analyses must be reproduced by others.
Prerequisites	Ability to run and make basic edits to research scripts. Use a repository scoped before the workshop or a provided practice repository.
Duration	2 days
Format	Hands-on workshop
Schedule	Day 1: 5 h 45 min; day 2: 6 h, plus breaks and lunch

OUTCOME

Enable a colleague to reproduce one selected result from a clean checkout of the workshop repository. Leave with documented environment and data requirements, a passing reproduction test and a prioritized list of remaining verification work.

WHAT YOU'LL DO

- Try to reproduce a result, identify missing setup instructions and record exact software and data versions.
- Add checks on the results and verify or isolate unchecked changes, including AI-generated changes.
- Have a colleague reproduce the result and document remaining work with owners and next steps.

HOW IT RUNS

1. Diagnose reproduction failures
2. Repair the setup and verify results
3. Test the handover and prioritize remaining work.

PREPARATION AND SCOPE

Agree on one feasible result and repository before the session. If your code is confidential or too large for the workshop, use sanitized data or the provided practice repository. The reproduction test covers the selected result and documented conditions.