

# Open Science Project Validation Report

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## Project: Bad\_Repo

### Summary

Passed checks: 0

Failed checks: 10

Warnings: 13

### Failed Checks - Action Required

- [FAIL] Missing required file README.md: Project overview with badges and quick-start guide
- [FAIL] Missing required directory '01\_docs': Documentation related to the project. Protocols, consent, ethics, DMP
- [FAIL] Missing required directory '01\_docs/01\_participants': Demographics and participant data
- [FAIL] Missing required directory '02\_data': Data collected and processed for the study (never edit in place)
- [FAIL] Missing required directory '02\_data/02\_preproc': Preprocessed and/or cleaned data
- [FAIL] Missing required directory '03\_scripts': Code used across various stages of the research process
- [FAIL] Missing required directory '03\_scripts/02\_prep': Data preparation scripts
- [FAIL] Missing required directory '03\_scripts/03\_analysis': Statistical or computational analysis scripts
- [FAIL] Missing required directory '04\_results': Outputs generated from analysis (stats tables, final figs)
- [FAIL] Missing required directory '05\_meta': Metadata and supplementary information for reproducibility and FAIR principles

### Warnings - Recommended Improvements

- [WARN] Missing recommended file LICENSE: Permission & reuse information (recommend CC-BY-4.0)
- [WARN] Missing recommended file CITATION.cff: How to cite the dataset and code
- [WARN] Missing recommended directory '01\_docs/02\_ethics': Ethics approval documents
- [WARN] Missing recommended directory '01\_docs/03\_dmp': Data management plan
- [WARN] Missing recommended directory '01\_docs/04\_prereg': Pre-registration documents
- [WARN] Missing recommended directory '02\_data/01\_raw': Unaltered, original raw data
- [WARN] Missing recommended directory '03\_scripts/01\_exp': Experimental scripts for data collection
- [WARN] Missing recommended directory '04\_results/01\_output': Raw output files from analysis scripts
- [WARN] Missing recommended directory '04\_results/02\_figures': Visualizations such as plots, charts, or brain maps

- [WARN] Missing recommended directory '04\_results/03\_tables': Tabular data results
- [WARN] Consider adding .gitignore for version control
- [WARN] No environment specification found (requirements.txt, environment.yml, etc.)
- [WARN] No data dictionary or codebook found. Consider adding variable descriptions.

## **FAIR Principle Recommendations**

- [F] FINDABLE: Add persistent identifiers (DOI) when publishing
- [A] ACCESSIBLE: Ensure data is in open formats (CSV, JSON, not proprietary)
- [I] INTEROPERABLE: Use standard vocabularies and include data dictionaries
- [R] REUSABLE: Include clear licensing and detailed provenance metadata
- [TIP] Create 02\_data/01\_raw/ to preserve original data (never modify!)
- [LICENSE] Add a LICENSE file (recommend CC-BY-4.0 for open science)
- [CITE] Add CITATION.cff to make your work easily citable