

GOLD STANDARD SCIENCE

A NEW NAME FOR FAMILIAR STANDARDS

An executive order listing 9 tenets of Gold Standard Science was issued in May of 2025, but Cornell researchers have been upholding these standards for decades. Solid data management makes it easier to achieve these 9 familiar standards, and Cornell University Library Research Data and Open Scholarship is here to help with informative resources, expert advice, and the eCommons repository. [Learn more about Cornell University Library's Data Curation Service.](#)

1. REPRODUCIBILITY

- ☐ Plan **reproducible workflows** with our data management plan review service.
- ☐ Publish **data, code, and supporting materials** in the eCommons repository.



2. TRANSPARENCY

- ☐ Record **rich metadata and documentation** with our templates and guidance.
- ☐ Link **data to related articles and preprints** in eCommons.



3. ERROR & UNCERTAINTY

- ☐ Clearly **communicate limitations and margins of error** with our ReadMe templates and prompt feedback.



4. INTERDISCIPLINARITY

- ☐ Make **data accessible outside your field** with personalized guidance on controlled vocabularies, keywords, and documentation.



5. SKEPTICISM

- ☐ License **data for reuse** with license options and guidance in eCommons.
- ☐ Invite **questions** by including contact information for the corresponding author.



6. FALSIFIABILITY

- ☐ Share **raw data along with code and outputs** after our curatorial review service ensures your process is clear and understandable.



7. UNBIASED PEER REVIEW

- ☐ Give **peer reviewers access to your data** published in eCommons.



8. NEGATIVE RESULTS

- ☐ Publish **negative and null results** in eCommons where it's easy to share data with or without an associated publication.



9. CONFLICTS OF INTEREST

- ☐ Disclose **affiliations** by linking your data publication to your ORCID identifier.
- ☐ Make **funder info easy to find** with the eCommons funder metadata field.

