

TOP GUIDELINES

TRANSPARENCY AND OPENNESS PROMOTION

Transparency, open sharing, and reproducibility are core values of science, but not always part of daily practice. Journals, funders, and societies can increase research reproducibility by adopting the TOP Guidelines.

8 MODULAR STANDARDS

CITATION STANDARDS Cite shared data to incentivize their publication	DATA TRANSPARENCY Disclose, require, or verify shared data
ANALYTICAL METHODS TRANSPARENCY Disclose, require, or verify shared code	RESEARCH MATERIALS TRANSPARENCY Disclose, require, or verify shared materials
DESIGN AND ANALYSIS TRANSPARENCY Sets standards for research design disclosures	PREREGISTRATION OF STUDIES Specification of study details before data collection
PREREGISTRATION OF ANALYSIS PLANS Specification of analytical details before data collection	REPLICATION Encourages publication of replication studies

Over 5,000 journals have now signed up to these guidelines.

PERSPECTIVE

Reproducible Research in Computational Science

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