Reproducible Research Standard v1.0

Reproducible Research Standard

What to include in the replication package and in the README document:

Data	Item No	Rule	Journal policy
General	1	Data are provided as part of the replication package or deposited at a trusted repository.	
Primary data	2a	This includes unmodified original data collected through surveys or experiments.	R/S
	2b	Documented modifications to anonymize or protect privacy are permissible.	Y/N
Secondary data	3a	Whenever usage terms permit, raw secondary data are included.	R/S
	3b	If secondary data cannot be published as part of a replication package or in an openly accessible trusted data repository, the rest of the policy still applies.	
Data extracts	4	Data extract used for analysis (analysis data) are provided as part of the replication package.	
Format	5a	The data files are provided in any format compatible with commonly used statistical package or software.	
	5b	The data files are provided in open, non-proprietary formats.	R/S
	5c	A meaningful name or description (label) is available for every variable in the provided datasets.	R/S
	5d	Codebooks or similar metadata describe the allowed values and their meaning for each variable.	R/S
	5e	It is acceptable to reference publicly available documentation for these items.	Y/N
Code			
Data transformation	6	Include programs used to create any final and analysis data sets from raw data.	R/S
Analysis	7	Include programs used to run the final models.	
Format	8a	The programs are provided in formats compatible with commonly used statistical package or software.	
	8b	Should unusual or costly software be required, notify the responsible Editor.	R/S
	8c	A main script running all the code in proper order is included.	R/S

	8d	If collecting original data through surveys or experiments, include computer code for experiment or survey collection mechanisms.	R/S
Supporting materials			
Instruments	9a	If collecting original data through surveys or experiments, include survey instruments or experiment instructions.	
	9b	If collecting original data through surveys or experiments, include original instructions and details on subject selection in the replication package.	
Exhibits	10	Save all the output of the analysis in a standard, non-proprietary format into the replication package.	R/S
Documentation			
Citation	11a	Cite all source data used in the paper, following journal guidelines.	R/S
	11b	Cite all software packages used, following journal guidelines.	R/S
Dependencies	12a	The replication package includes a README that contains data availability statements, instructions on obtaining data, and on executing code.	
	12b	If certain data are not provided as part of the replication package, include description sufficient to access all data at their original source location.	
	12c	Provide a data availability statement covering the source data.	
	12d	The data availability statement shall provide detailed information on how, where, and under what conditions an independent researcher can access the original source data, as well as author-generated derivative data, and must be explicit and accurate about any restrictions, requirements, payments, and processing delays.	
	12e	The data availability statement shall provide information to assure the reader that the data are available for a sufficiently long period of time.	
	12f	List all software packages, libraries, toolboxes that you use with instructions on how to install them.	
	12g	Describe the hardware and operating system on which the code was last run.	R/S
	12h	Explain if your code requires special hardware or runs for a particularly long time.	R/S

Guidance	13a	Provide description sufficient to allow all programs to be run.	
	13b	List all the data sets used with their bibliographic citation, referring to their specific file names if included.	R/S
	13c	Create a list of exhibits and state which one is produced by which script.	R/S
	13d	If a script creates multiple exhibits, point to the exact line number.	R/S
Format	14a	The README document should list the title and authors of the replication package, its preparation date, and clear reference to the journal article to which it belongs.	
	14b	Follow the schema provided by the Social Science Data Editors template README (https://social-science-data-editors.github.io/template_README/)	R/S
	14c	Common formats are txt, PDF, and Markdown. The README file should not require proprietary software to view.	R/S
Deposits			
Location	15	Data and programs are archived by the authors in the repositories deemed acceptable by the journal.	

Journal policy may **Require** (R) or **Suggest** (S) the rule to be followed. A solution may be accepted **Yes** (Y) or **No** (N).