

Codebook for dataset Data_Study_2.xlsx

From the project “Inter-Rater Reliability in Assessing the Methodological Quality of Research Papers in Psychology” (<https://osf.io/xdhpa/>)

Each row in the data sheet represents a rating of one research paper by one rater.

The ratings of the research papers on individual quality criteria are assessed by variables R003_01 to R003_38. The latter variable was moved to the front because it captures the first criterion in the rating scheme. The exact phrasing of the items in the rating scheme is repeated (in quotation marks) in the column VARIABLE MEANING.

There were no missing values, as the survey was programmed not to permit them (except for item R005_01, see below).

Variable name	Variable meaning	Values and their meanings
CASE	Case	Numbering of cases, consecutively
R001	Rater	[1-9] Numbering of raters
R002	Paper A-M (Codes of papers whose first authors family names begin with A to M)	[1-59] Numbering of papers [-1] paper applies to category “Paper N-Z”
R006	Paper N-Z (Codes of papers whose first authors family names begin with N to Z)	[1-52] Numbering of papers [-1] paper applies to category “Paper A-M”

R003_38	0: "Paper gets published in a peer reviewed journal"	[1] does not apply [2] partly applies [3] does apply [-1] unclear
R003_01	1a: "Documents explicit consensus regarding important research goals."	See above
R003_02	1b: "Addresses important research goals that were outlined in a consensus document."	See above
R003_03	1c: "Provides empirical / theoretical results that fundamentally challenge documented consensus regarding research goals."	See above
R003_04	2a: "Documents explicit consensus regarding terminology."	See above
R003_05	2b: "Uses terminology from a consensus document"	See above
R003_06	2c: "Provides empirical / theoretical results that fundamentally challenge documented consensus regarding terminology."	See above
R003_07	3a: "Documents explicit consensus regarding measurement practices."	See above
R003_08	3b: "Includes standard measurement practices from a type 3a consensus document. Note that this does not preclude the additional use of other measures in the same study."	See above
R003_09	3c: "Provides empirical/theoretical results that fundamentally challenge documented consensus regarding measurement practices."	See above
R003_10	4a: "Documents explicit consensus regarding data pre-processing and/or analysis."	See above
R003_11	4b: "Uses consensus practices regarding data pre-processing and/or analysis."	See above
R003_12	4c: "Provides empirical/theoretical results that fundamentally challenge documented consensus regarding data pre-processing / analysis."	See above
R003_13	5a: "Specifies a theory in a mathematical or formal-logic manner (as opposed to a "narrative" theory that is expressed only in natural language terms). By "formal-logic", we mean explications of IF-THEN relationships. "	See above
R003_14	5b: "Includes an account of how a newly specified formal theory relates to previous formulations of the same or related theories (theory integration)."	See above

R003_15	5c: "Includes a full account of how the measured variables used in a theory test relate to the parameters of the tested formal model."	See above
R003_16	6a: "Explicitly distinguishes explorative from confirmatory analyses, with the latter having been pre-registered at the same level of specificity at which the results are reported. Judging this requires a comparison of the article with the actual pre-registration(s)."	See above
R003_17	6b: "All of the tested hypotheses were pre-registered."	See above
R003_18	6c: "All operationalizations of relevant theoretical concepts were pre-registered (i.e., what will be measured how)."	See above
R003_19	6d: "All statistical procedures used in hypothesis tests were pre-registered."	See above
R003_20	6e: "Article contains information on exact timelines as to when pre-registrations took place and when data was collected and analysed."	See above
R003_21	6f: "All relevant deviations from the pre-registration are made explicit."	See above
R003_22	6g: "Is a registered report (i.e., received "in principle acceptance" from an academic journal based on the planned research design, before the data was collected)."	See above
R003_23	7a: "Includes at least one direct replication attempt (of others' or one's own results), with a new sample. This includes "split sample" studies in which at least one part of the data ("hold-out sample(s)") is deliberately set aside for later replication attempts."	See above
R003_24	7b: "The replication attempt had at least the same statistical power as the original study that it refers to."	See above
R003_25	7c: "The replication attempt was explicitly pre-registered as a replication attempt."	See above
R003_26	8a: "Includes a pre-registered a priori power analysis / sample size planning based on specific and realistic estimate of expected effect size(s)."	See above
R003_27	8b: "Has an expected type I error rate of $\leq .05$ and type II error rate of $\leq .20$, based on realistic effect size estimates."	See above
R003_28	8c: "Demonstrates representativeness of participant sample(s) in regard to the population of interest (e.g., by using a random sampling method)."	See above

R003_29	8d: "Demonstrates representativeness of stimuli in regard to the environmental conditions of interest (i.e., the type and range of stimuli that are presented in the study are shown to resemble those of the relevant variable in real life)."	See above
R003_30	9a: "Data is made openly available. Judging this requires checking whether a link provided in the article to an online repository actually works."	See above
R003_31	9b: "Open data is accompanied by meta-data that (at least) documents all variables in the dataset in a manner that enables new analyses without requiring further interactions with the people who collected the data."	See above
R003_32	9c: "Analysis code (e.g., an R-script or SPSS syntax) is made openly available. Judging this requires checking whether a link provided in the article to an online repository actually works."	See above
R003_33	9d: "Materials (e.g., questionnaire items) are made openly available. Judging this requires checking whether a link provided in the article to an online repository actually works."	See above
R003_34	9e: "All data, materials and code from a project are found in the same "place" online (e.g., a project folder)."	See above
R003_35	10a: "Documents explicit consensus regarding the state of knowledge and/or theory development in a research area."	See above
R003_36	10b: "Builds directly on a consensus document regarding the state of knowledge and/or theory development in a research area."	See above
R003_37	10c: "Provides empirical / theoretical results that fundamentally challenge a documented consensus regarding the state of knowledge and/ or theory development in a research area."	See above
R005_01	Annotations by raters on their rating experience	Free verbal response [optional]
R004_01	Time: "I needed [...] minutes, to rate the paper."	Free numerical response