## 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).

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| --- | --- | --- |
| **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 <= .05 and type II error rate of <= .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 |