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A READER'S, WRITER'S, AND REVIEWER'S GUIDE TO ASSESSING RESEARCH REPORTS IN CLINICAL PSYCHOLOGY

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TOPIC CONTENT

1. Is the article appropriate to this journal? Does it fall within the boundaries mandated in the masthead description?

STYLE

1. Does the manuscript conform to APA style in its major aspects?

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INTRODUCTION

1. Is the introduction as brief as possible given the topic of the article?
2. Are all of the citations correct and necessary, or is there padding? Are important citations missing? Has the author been careful to cite prior reports contrary to the current hypothesis?
3. Is there an explicit hypothesis?
4. Has the *origin* of the hypothesis been made explicit?
5. Was the hypothesis *correctly* derived from the theory that has been cited? Are other, contrary hypotheses compatible with the same theory?
6. Is there an explicit rationale for the selection of measures, and was it derived logically from the hypothesis?

METHOD

1. Is the method so described that replication is possible without further information?
2. **Subjects:** Were they sampled randomly from the population to which the results will be generalized?
3. Under what circumstances was informed consent obtained?
4. Are there probable biases in sampling (e.g., volunteers, high refusal rates, institution population atypical for the country at large, etc.)?
5. What was the “set” given to subjects? Was there deception? Was there control for experimenter influence and expectancy effects?
6. How were subjects debriefed?
7. Were subjects (patients) led to believe that they were receiving “treatment”?
8. Were there special variables affecting the subjects, such as medication, fatigue, and threat that were not part of the experimental manipulation? In clinical samples, was “organicity” measured and/or eliminated?
9. **Controls:** Were there appropriate control groups? What was being controlled for?
10. When more than one measure was used, was the order counterbalanced? If so, were order effects actually analyzed statistically?
11. Was there a control task(s) to confirm specificity of results?
12. **Measures:** For both dependent and independent variable measures—was validity and reliability established and reported? When a measure is tailor-made for a study, this is

very important. When validities and reliabilities are already available in the literature, it is less important.

13. Is there adequate description of tasks, materials, apparatus, and so forth?
14. Is there discriminant validity of the measures?
15. Are distributions of scores on measures typical of scores that have been reported for similar samples in previous literature?
16. Are measures free from biases such as
 - a. Social desirability?
 - b. Yeasaying and naysaying?
 - c. Correlations with general responsiveness?
 - d. Verbal ability, intelligence?
17. If measures are scored by observers using categories or codes, what is the interrater reliability?
18. Was administration and scoring of the measures done blind?
19. If short versions, foreign-language translations, and so forth, of common measures are used, has the validity and reliability of these been established?
20. In correlational designs, do the two measures have theoretical and/or methodological independence?

REPRESENTATIVE DESIGN

1. When the stimulus is a human (e.g., in clinical judgments of clients of differing race, sex, etc.), is there a *sample* of stimuli (e.g., more than one client of each race or each sex)?
2. When only one stimulus or a few human stimuli were used, was an adequate explanation of the failure to sample given?

STATISTICS

1. Were the statistics used with appropriate assumptions fulfilled by the data (e.g., normalcy of distributions for parametric techniques)? Where necessary, have scores been transformed appropriately?
2. Were tests of significance properly used and reported? For example, did the author use the *p* value of a correlation to justify conclusions when the actual size of the correlation suggests little common variance between two measures?
3. Have statistical significance levels been accompanied by an analysis of practical significance levels?
4. Has the author considered the effects of a limited range of scores, and so forth, in using correlations?

5. Is the basic statistical strategy that of a “fishing expedition”; that is, if many comparisons are made, were the obtained significance levels predicted in advance? Consider the number of significance levels as a function of the total number of comparisons made.

FACTOR ANALYTIC STATISTICS

1. Have the correlation and factor matrices been made available to the reviewers and to the readers through the National Auxiliary Publications Service or other methods?
2. Is it stated what was used for communalities and is the choice appropriate? Ones in the diagonals are especially undesirable when items are correlated as the variables.
3. Is the method of termination of factor extraction stated, and is it appropriate in this case?
4. Is the method of factor rotation stated, and is it appropriate in this case?
5. If items are used as variables, what are the proportions of yes and no responses for each variable?
6. Is the sample size given, and is it adequate?
7. Are there evidences of distortion in the final solution, such as single factors, excessively high communalities, obliqueness when an orthogonal solution is used, linearly dependent variables, or too many complex variables?
8. Are artificial factors evident because of inclusion of variables in the analysis that are alternate forms of each other?

FIGURES AND TABLES

1. Are the figures and tables (a) necessary and (b) self-explanatory? Large tables of nonsignificant differences, for example, should be eliminated if the few obtained significances can be reported in a sentence or two in the text. Could several tables be combined into a smaller number?
2. Are the axes of figures identified clearly?
3. Do graphs correspond logically to the textual argument of the article? (E.g., if the text states that a certain technique leads to an *increment* of mental health and the accompanying graph shows a *decline* in symptoms, the point is not as clear to the reader as it would be if the text or the graph were amended to achieve visual and verbal congruence.)

DISCUSSION AND CONCLUSION

1. Is the discussion properly confined to the findings or is it digressive, including new post hoc speculations?
2. Has the author explicitly considered and discussed viable alternative explanations of the findings?
3. Have nonsignificant trends in the data been promoted to “findings”?
4. Are the limits of the generalizations possible from the data made clear? Has the author identified his/her own methodological difficulties in the study?
5. Has the author “accepted” the null hypothesis?
6. Has the author considered the possible methodological bases for discrepancies between the results reported and other findings in the literature?