

Critical Review of Empirical Studies

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from Law, Stewart, Pollock, Letts, Bosch, and Westmorland (1998),

Tétreaul, Sorita, Ryan, and Ledoux (2013),

and Patience, Boffito, and Patience (2015)

| Objects | Components | Quality | Additions or improvements |
|---------------------------------------|--|--|---------------------------|
| Introduction | | | |
| Research Question/ Hypothesis | What is the purpose, the research question, hypothesis assumptions or objective of the study? | The object of the study is clearly stated or the research question is clearly identifiable. The assumptions or hypotheses are clearly stated. | |
| Literature Review | The article states what previous studies have demonstrated in this area, the controversies and what is left to do. | Relevance of the studies and clear presentation of the results of these studies. | |
| Scientific relevance of the research | What arguments the author mentions to justify the scientific relevance of the study? | There is a justification and it is adequate. | |
| Theoretical Framework (If applicable) | What is the theoretical framework used by the author? (If applicable) | The theoretical framework is presented clearly. The concepts are clearly stated and the authors are identified. There are evident links between the theoretical framework and the hypothesis or assumptions. | |
| Methods | | | |
| Research method or experimental plan | What research methods have been chosen? Is the method clear enough to be reproduced? | The research methods are appropriate or not given the research hypothesis. | |
| Measures / instruments | What measures have been used? What are the properties of these instruments (validity / reliability)? | Measures / instruments clearly described. The instruments or the measures are valid and reliable. | |
| Data collection | What methods have been used to collect the data? Are the data accessible? | Clarity and completeness of information presentation. Appropriateness of the methods chosen given the research question. Accessibility of the data. | |
| Data analysis | What methods have been used to analyze the data? | Appropriateness of statistical analyzes given the research question. | |

| Results | | | |
|--|---|---|--|
| Results | What are the results? | Clarity of the presentation of the results. The results are related to the assumptions / hypothesis / research question. Accuracy in the use of statistics and the author's interpretation of the results of statistical tests. | |
| Discussion | | | |
| Discussion of Results | What are the main data used by the author in analyzing the results? Does the author discuss the relationship of the data with existing literature? | Relevance of the elements raised in the discussion. | |
| Discussion of the limitations of the study | What are the main limitations of the study? | Relevance of the stated limits. | |
| Conclusion | | | |
| | What conclusion the author reaches? What new avenues of research does the author propose? What is the impact of the research according to the author? | Adequacy of the conclusion considering the results. Relevance of research questions and the impact, considering the results. | |