Form 5.1

12 Steps to Understanding a Quantitative Research Report

tempted to run onto additional pages. to the study. Work on this sheet alone (except for Step 6), and do not be shorthand, and a careful selection of no more than what is absolutely essential of the original document. Except for Step 1, use abbreviations, diagrams, Directions: Record notes in only enough detail to support recall in the absence

- CITATION. What study report is this? Record a complete reference citation
- 'n PURPOSE AND GENERAL RATIONALE. In broad terms, what was the general importance? purpose of the study, and how did the author(s) make a case for its
- FIT AND SPECIFIC RATIONALE. How does the topic of the study fit make a specific case for the investigation? into the existing research literature, and how is that provenance used to
- characteristics) and how they were selected PARTICIPANTS. Describe who was studied (give number and
- Ćυ CONTEXT. Where did the study take place? Describe important characteristics.
- STEPS IN SEQUENCE. In the order performed, what were the main showing order and any important relationships among the steps. procedural steps in the study? Describe or diagram in a flowchart,

READING AND UNDERSTANDING RESEARCH

Form 5.1 (Continued)

- DATA. What constituted data (e.g., test scores, questionnaire responses, investigator(s) in that process? frequency counts), how was it collected, and what was the role of the
- ANALYSIS. What form of data analysis was used, and what specific and computer programs were employed? questions was it designed to answer? What (if any) statistical operations
- RESULTS. What did the author(s) identify as the primary results (products or findings produced by the analysis of data)?
- 10. CONCLUSIONS. What did the author(s) assert about how the results in the events and experiences of the entire study contribute to that Step 9 responded to the purpose(s) established in Step 2, and how did
- CAUTIONS. What cautions does the author(s) raise about the study itself or about interpreting the results? Add here any of your own
- 12 DISCUSSION. What interesting facts or ideas did you learn from reading the report? Include here anything that was of value, including: results, research designs and methods, references, instruments, history, useful arguments, or personal inspiration.

Abstract

Purpose (also can relate to the following question)

How Does the Study Fit into What Is Already Known? Introduction, Research Purposes, and Related Literature

How Was the Study Done?

References

Method

Subjects

Research Plan or Design

Instrumentation

Procedures

Analysis

What Was Found?

Results

Description of the Findings

Figures

Tables

What Do the Results Mean?

Discussion and Conclusions (often includes reference to the second question)