

Project #3: Critique of Pilot Study

Janet George

Department of Educational Technology

New Jersey City University

Dr. Laura Zieger

December 10, 2023

1. What did I learn - both regarding the subject matter as well as how to conduct research – in/ through the study?

The subject was assessing professional development for instructional technology to find the teachers' perspectives and practices in that area. The researchers mentioned the factors that include teachers' satisfaction with instructional technology professional development and the level of comfort that the teachers exhibit with the skills learned in their instructional technology professional development. Also, there are areas of opportunity for future professional development in instructional technology.

It was emphasized that professional development should be done on a regular basis. In qualitative research, "The inquirer asks participants in a study to share ideas and build general themes based on those ideas" (Creswell, J.W., & Guetterman, T. C., 2019). To conduct the research study, the researchers addressed the following sections: introduction, statement of the problem and research questions, literature review, theoretical framework, evaluation and assessment methods, significant findings, conclusion, and references. However, it was essential to provide citations for every and each section that receded the reference.

2. Why or why not was the research design the best choice?

The researchers used a survey for the teachers' perspectives. Patton (2015) noted that one significant advantage of qualitative methods is that the researcher can quickly get into the field results. The researchers placed questions broken down based on the current teachers' teaching status and their

past instructional development technology professional development experience.

They also gathered information to determine what content or skills are being discussed in professional development experiences.

3. What made this study valuable to the field?

The study was valuable to the field of technology. It provides more precise answers to the research questions, which can be helpful for further research on the same topic. Creswell and Creswell (2018) argued that it is essential for the researchers to use the literature in a manner consistent with the assumptions of learning from the participants, not prescribing the questions that need to be answered from the researcher's standpoint.

4. Where might this research go from here?

Because this research was a pilot study, it had a very limited time to get the information. Also, it utilized just one source, which was surveying those teachers. Also, Creswell and Creswell (2018) provided a checklist of questions for designing a qualitative procedure, such as: has the researcher coded the data? Also, have the codes been developed to form a descriptive and to identify themes?

5. What could be done to enhance this study?

To enhance this study, more sources are to be utilized. The researchers depended solely on the teachers' surveys. It was just one of the methods for a qualitative research study, but varying the resources is essential in such a study. Patton (2015) mentioned that visiting the site and providing anecdotal evidence are other ways of getting more in-depth results. Also, other stakeholders may

need to be involved in the research to get a clearer picture and valid research findings.

Reference

- Creswell, J.W., & Creswell, J. D. (2018). Research Design: Qualitative, Quantitative, and Mixed Methods Approaches (5th ed.). SAGE Publications.
- Creswell, J. W., & Guetterman, T. C. (2019). Educational Research: Planning, Conducting, and Evaluating Quantitative and Qualitative Research (6th ed.). Pearson.
- Patton, M. Q. (2015). Qualitative Research & Evaluation Methods (4th ed.). SAGE Publications.