

Previously Approved Submissions

A. Submit the following previously approved submissions:

- Chapter 1: Introduction
- Chapter 2: Literature Review
- Chapter 3: Research Methodology

Implementation and Refinement

B. Implement the fully-functioning e-learning module submitted in D301 Task 2 according to the research methodology in your submitted Chapter 3 from part A in order to do the following:

Note: Implementation must follow the research methodology previously approved in D301 Task 3. Include an explanation if there were any approved changes.

1. Submit entries of memos and observational notes that will be used to inform your refinement(s) to the research methodology.

See submitted file under “notes” tab.

2. Based on your memos and observational notes, describe the refinement(s) that could be made to the research methodology from Chapter 3 submitted in part A.

The refinements that could be made to the research methodology from chapter 3 submitted in part A would be to include a larger participant sampling size (teachers in other schools in the district), as well as removing the requirement that teachers have less than 4 years' experience. In my observational notes, I was given almost all positive feedback. Due to the sample size and their daily connection with myself (as we work together), I feel as though I did not receive as much authentic feedback. Although the course is intended for teachers with 4 years of teaching experience or less, I do feel like excluding veteran teachers was a mistake. They could offer valuable feedback for this study.

- a. Justify the proposed refinement(s) from part B2 with additional feedback from stakeholders and additional research.

After reviewing my feedback received, I contacted each of the participants and gave them the opportunity to expand their constructive feedback. The newer teachers explained they simply did not know of any improvements that could be made. This was due to the inexperience of these participants. They simply had not done enough classroom management training to offer suggestions or improvements. This led me to believe that opening the study to all teachers, regardless of years taught could provide a unique opportunity to receive feedback from those who have already experienced classroom management professional development. They would be able to compare this course with others and be able to review it using previous experiences.

Looking further into sample size and statistical analysis, my current sample size is 13 participants. Which means that if I increase my study population size to approximately 200, the standard deviation will decrease and thus give me more statistically significant data. (How Many Participants Do I Need? A Guide to Sample Estimation, 2024)

b. Explain how the refinement(s) would enhance the research project.

These refinements would enhance the research project by providing an opportunity to collect data and feedback from those who have already experienced classroom management professional development. They would be able to compare this course with others and be able to review it using previous professional experience. In addition, they would be able to evaluate the classroom management strategies using their previous years as a frame of reference for evaluation.

c. Identify an area of potential bias in the collection of data about learners and explain how you would minimize bias with the refinement(s).

The 13 participants in this study were selected from the elementary school where I currently teach. All study participants have known me for at least one year. In addition, most communicate with me daily as we all work in the K-2 wing of the same school. I identified possible bias, as these individuals may or may not feel comfortable giving me authentic feedback. I attempted to combat this bias by creating surveys that were anonymous and informed the participants that I would not be able to identify which survey belonged to which student. Despite this, I suspect I need a much larger number of participants to get more detailed and/or statistically significant feedback. In future iterations I would open the participant selection to the entire district, or more than one school where the participants do not have any connections with myself.

C. Explain **two** strategies that could be employed to enact the refinement(s) described in part B2 for future iterations of the research.

Two strategies that I would employ to enact the refinements described as follows. First, to gain a larger participant sample size from the entire district rather than one school. Lastly, I would remove the requirement that participants have less than 5 years of teaching experience. My study would simply be open to all K-2 teachers in the district and would hope to gain at least 5 participants per school. Currently our district has 44 elementary schools, therefore, my goal would be approximately 200 teachers of varying experience levels to participate in future iterations of this study.

Works Cited

How Many Participants Do I Need? A Guide to Sample Estimation. (2024). Retrieved from Complete Dissertation by Statistic Solutions:
<https://www.statisticssolutions.com/how-many-participants-do-i-need/>