

## Simulation exercise

### Simulation Exercise Title:

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#### Analysing the example of pilot-testing

#### Objectives

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- To evaluate the key steps and considerations in conducting a pilot study.
- To identify the challenges and solutions encountered during pilot testing.
- To enhance understanding of the practical application of research methodologies in pilot testing.

#### Background

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Pilot studies are crucial for testing the feasibility and design of research before undertaking a full-scale study. This exercise draws on the experience of conducting a pilot study, as detailed in the provided case study, to understand the process and its implications.

#### Data Provided

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Before completing the task, study the Case Study Research Paper provided in Session 3, which outlines the steps taken by a novice researcher in conducting a pilot study.

#### Task

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You are required to conduct a comprehensive analysis of the pilot testing experience detailed in the case study. Your analysis should focus on the following aspects:

1. **Objectives of the Pilot Study:** What were the specific goals of conducting the pilot study? How did these objectives guide the research process?
2. **Methodology:** Evaluate the research methods used in the pilot study, including participant recruitment, data collection, and data analysis techniques. Consider how these methods were tested and refined.
3. **Challenges and Solutions:** Identify the key challenges that emerged during the pilot testing. Discuss the strategies implemented to address these challenges and evaluate their effectiveness.
4. **Lessons Learned:** Reflect on the insights gained from the pilot study. How did these lessons contribute to improving the overall research design and implementation?
5. **Recommendations:** Based on your analysis, propose recommendations for enhancing the design and execution of future pilot studies.

## **Guidelines**

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- Use the provided template to ensure your analysis is comprehensive and well-organised.
- Support your analysis with specific examples from the case study.
- Reflect on how the pilot study's findings could be applied to similar research contexts.

## **Deliverables**

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- A report summarising comprehensive analysis of the pilot testing experience, structured according to the template.