



Student Name: _____

Class: _____

Due Date: _____

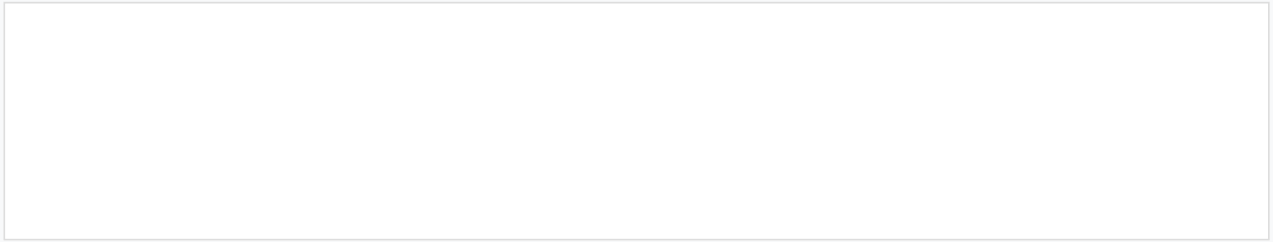
Introduction and Instructions

Welcome to this homework sheet on research methodology! In this activity, you will learn about the fundamental principles of research methodology and apply your knowledge to real-world scenarios.

Please read each question and activity carefully and complete them to the best of your ability. This homework sheet is designed to be completed within 30-40 minutes, but you can take your time to ensure you fully understand the concepts.

Describe the main stages of the research process, including:

- Problem formulation
- Literature review
- Research design
- Data collection
- Data analysis
- Drawing conclusions



Create a table comparing and contrasting quantitative, qualitative, and mixed-methods research approaches. Include columns for definitions, advantages, disadvantages, and typical applications.

Research Approach Definition Advantages Disadvantages Typical Applications

Quantitative

Qualitative

Mixed-Methods

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Case Study Analysis

Read the following case study and answer the questions:

[Insert case study]

1. What research design was used in this study?
2. What data collection methods were used?
3. What are the strengths and weaknesses of the research methodology used in this study?
4. Suggest potential improvements to the research methodology.

Designing a Research Study

Choose a topic of interest and outline a research study, including:

- Research question
- Objectives
- Methodology
- Expected outcomes
- Potential limitations

Peer Review and Conclusion

Exchange your research study design with a peer and provide constructive feedback on the research question, methodology, potential biases, and suggestions for improvement.

Congratulations on completing this homework sheet! You have learned about the fundamental principles of research methodology and applied your knowledge to real-world scenarios. Remember to always follow the principles of good research practice and consider ethical implications in your research studies.