

1. **What is the purpose of the study?**  
 The purpose of the study is to investigate the effect of a new teaching method on student performance in mathematics.

2. **What are the research objectives?**  
 The research objectives are to compare the performance of students using the new method with those using the traditional method, and to identify factors that influence the effectiveness of the new method.

3. **What is the research hypothesis?**  
 The research hypothesis is that students using the new teaching method will show significantly higher performance in mathematics than those using the traditional method.

4. **What are the independent and dependent variables?**  
 The independent variable is the teaching method (new vs. traditional), and the dependent variable is the student performance score in mathematics.

5. **What is the research design?**  
 The research design is a quasi-experimental design, where the researcher manipulates the independent variable (teaching method) and measures the effect on the dependent variable (performance).

6. **What are the data collection methods?**  
 The data collection methods include pre-test and post-test scores, classroom observations, and student feedback surveys.

7. **What are the data analysis methods?**  
 The data analysis methods include descriptive statistics, t-tests, and regression analysis.

8. **What are the expected results?**  
 The expected results are that the new teaching method will lead to higher performance scores compared to the traditional method.

9. **What are the limitations of the study?**  
 The limitations of the study include the lack of random assignment, the potential for confounding variables, and the limited generalizability of the findings.

10. **What are the conclusions?**  
 The conclusions are that the new teaching method appears to be more effective than the traditional method, but further research is needed to confirm these findings and explore the underlying mechanisms.

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PASSAPORTE N° / PASSPORT N°  
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PASSAPORTE  
PASSPORT

**P** SOBRENOME / SURNAME  
**OLIVEIRA LOPES**

NOME / GIVEN NAMES

**DANIEL FABRICIO**  
NACIONALIDADE / NATIONALITY

**BRASILEIRO(A)**  
DATA DO NASCIMENTO / DATE OF BIRTH

24 MAR/MAR 1984

SEXO / SEX

**M** **FORTALEZACE**

MARLY OLIVEIRA LOPES

LAURO NOGUEIRA LOPES



AUTORIDADE / AUTHORITY

SR/DPF/CE

VALIDO ATE / DATE OF EXPIRY

25 JUL/JUL 2026

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