

# Psych Experiment Project

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Ms. Grant

# Step 1: Select a Research Question

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- Select a question about human behaviour or mental processes that you would like to study.
- Make sure you will realistically be able to test this question.
- Review your question with me before you get started.

# Step 2: Select a Research Method

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- How are you going to investigate your research question?
- Choose from:
  - Naturalistic observation
  - Survey
  - Experiment
  - Case Study

# Step 3: Construct a Hypothesis

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- What do you think the answer to your research question will be?
- What previous experience or supporting evidence do you have that led you to believe this?
  - Personal experience
  - Previous research
  - Include proper references if necessary

# Step 4: Plan your Experiment Method

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- Determine variables
  - Independent
  - Dependent
  - Controlled
- Describe your sample population
- Explain your method in detail (step by step)
- Include diagrams or pictures if applicable

# Step 5: Conduct your Experiment

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- Follow your method accurately and collect your data
- Be sure to follow ethical guidelines and make note of the steps you take to ensure your experiment is ethically sound (you will need this for your reflection).

# Step 6: Analyze your Raw Data

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- Organize it into a table.
- Make note of any relevant measures of central tendency, or correlations
  - Mean, median, mode
  - Correlation (+/-)
- Describe the results of analyzed data based on your research question

# Step 7: Write a Conclusion

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- Several paragraphs summarizing your experiment and discussing your findings.
- What did your data prove or disprove?
- How does this connect to your hypothesis?



# Step 8: Reflection

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- ½ page
- Discussion of what you learned conducting the experiment
- Personal insight
- This is where you discuss your ethics.