FOUNDATIONAL ELEMENTS OF RESEARCH
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Research Problem

Research Questions

Hypotheses

Variables
  - Independent
  - Dependent

Relating the Foundational Elements
Establishes connection between literature and ideal practice

Explains *why* your study is important
RESEARCH QUESTIONS

the part of the phenomenon we want to know more about; what we hope to learn from the study

- Identifies the part of the topic that we want to better understand
- Presented as a question
  - How
  - What
  - When
  - Why
- Multiple research questions is not uncommon
HYPOTHESES

Prediction of what we expect to learn

- Identifies what we think the answer(s) to the research question(s) will be
- Presented as a statement
  - Testable/Verifiable
Variables are characteristics that vary across participants/in the population

- Dependent Variable (DV)
  - Outcome of interest
  - Thing that will be affected by manipulating the IV

- Independent Variable (IV)
  - Thing we will manipulate to affect change in the DV
RELATING THE ELEMENTS

RESEARCH PROBLEM

RESEARCH QUESTION(S)

HYPOTHESES

DESIGN & DATA

VARIABLES