

Hypothesis Testing

Concepts and Definitions

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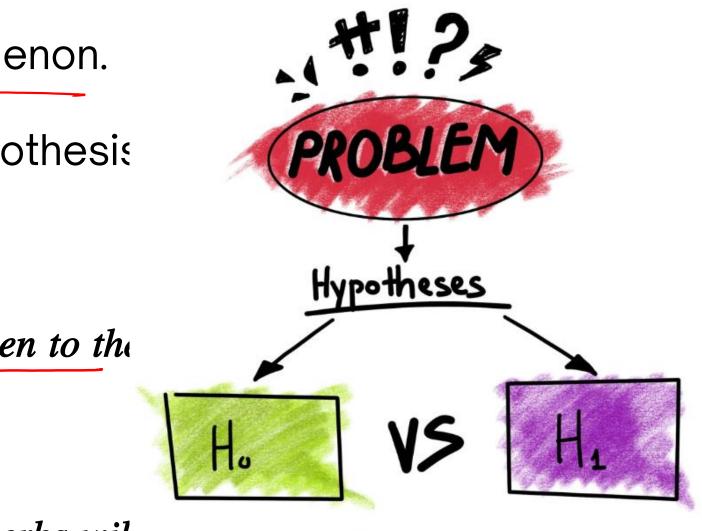




What is hypothesis statement?

- Jaim A hypothesis is a proposed explanation for a phenomenon.
- Hypothesis = Scientific Hypothesis, the scientific hypothesis requires that one can test it.
- A hypothesis is written like this: If J...(do this to an independent variable)....then (this will happen to the dependent variable)."
- For example: •
- > If I (decrease the amount of water given to herbs) then (the herbs will increase in size).





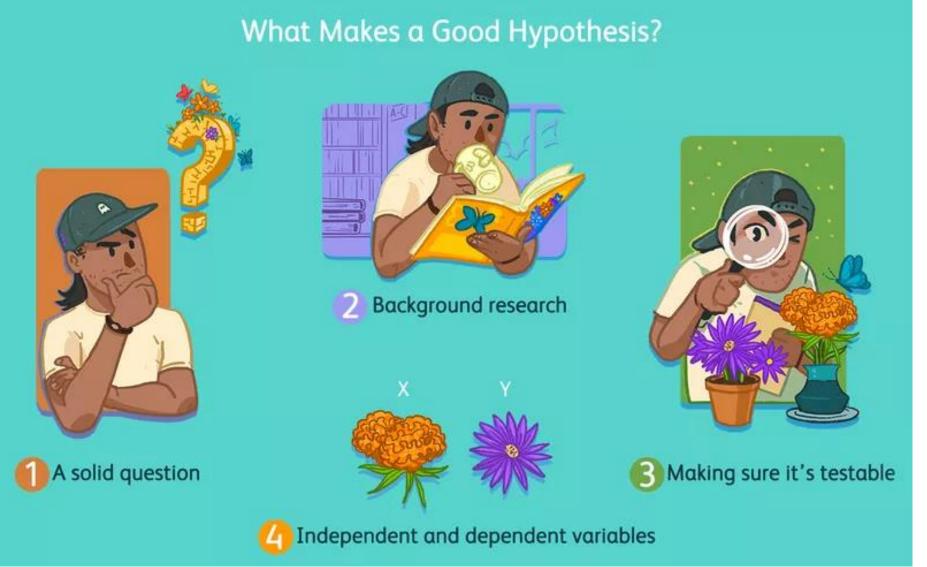
Source: www.medium.com

Good hypothesis statement?

A good hypothesis statement should: 1. Include an "if" and "then" statement

2. Include both the independent, and dependent variables.

- 3. Be testable by experiment, survey or other scientifically sound technique.
- 4. Be based on information in prior research (either yours or someone else's).





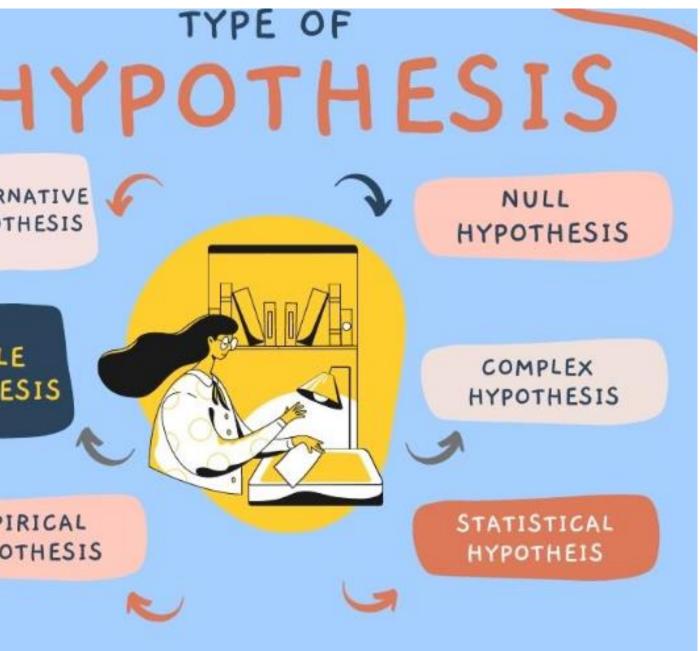
Source: www.verywellmind.com

Types of hypothesis

- There are six types of hypothesis: a) Null Hypothesis b) Alternative Hypothesis
- c) Simple Hypothesis
- d) Complex Hypothesis
- e) Statistical Hypothesis
- f) Empirical Hypothesis

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ALTER HYPO
SIMPL
EMP





Source: www.typeset.io

Thank you





