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Research Methodology

Lesson 5 – Hypotheses

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Objectives of this lesson

- To explain the hypothesis and various type of it.
- To help students to different between reference and bibliographic.
- To describe the characteristics of hypothesis.

Synopsis

This lesson will provide insight on the hypothesis and briefly explain the type of hypothesis.

Expected outcomes

- In the end of this lesson, students will be able to understand why hypothesis is needed in quantitative research.
- Alternate and null hypotheses are
- Students need to avoid the plagiarism.

Hypothesis Characteristics

- Written statements
- Prediction of outcome
- Explains the relationship
- It is testable
- A tool of investigation
- Narrow scope

Type of hypotheses

Descriptive



Testing statistical significance

Relational



Correlation



Causal

Null Hypotheses

- A definitive – relationship of two variables
- Possible rejection

Alternate Hypotheses

Results of actual outcome of hypothesis based on the statistical testing.

References style

- **References:** available in the text.
- **Bibliographic:** Not necessary available in the text.

Plagiarism

Source:
Park
(2003);
Easterby-
Smith *et*
al. (2008)

Stealing other materials

Submitting material written by
another

Copying others materials w/o
quotation marks

Paraphrasing material w/o
documentation

Summary

- The hypothesis is a written statement not in the question form.
- The statement should be in the testable format.
- It should focus on the scope of study.