Research Design

A research design is defined as “a logical and systematic plan prepared for directing a research study. It specifies the objectives of the study; the methodologies and techniques to be adopted for achieving the objectives.”

Need and Importance of Research design

- Guidelines to the Researcher
- Organizing Resources
- Directions to the Research Staff
- Collection of Relevant Data
- Selection of Techniques
- Monitoring of Expenditure
- Objectives of Research
- Execution of Research Work
- Motivation to the Staff
- Improvement in Decision Making
Essentials of a good Research Design

Types of Research Design

- Exploratory Research
- Case Analysis
- Experience Surveys
- Focus Group
- Cross-Sectional Studies
- Longitudinal Studies

Secondary Data Analysis

Casual Research

Descriptive Research

Types of Research Design

Focus on Objectives

Flexibility

Pilot Study

Suitability

Acceptance

Simplicity

Cost-Effective

Selection of Right Techniques/Methods

Training to the Research Staff

Ease in Implementation

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**Hypothesis**

Hypothesis is defined as a preposition which can be put to a test to determine its validity.

The characteristics of a good hypothesis-

- Empirically Testable
- Conceptual Clarity
- Specific
- Related to available techniques
- Theoretical Relevance
- Consistency
- Objectivity
- Consider all pertinent Areas of problem

**Steps in formulation of Hypothesis**

1. Identifying the Research Problem
2. Identify causes of problem
3. Formulate the hypotheses
4. Pilot test the Hypotheses
5. Select the best Hypothesis
Significance of Hypothesis

- Provides Definite Focus
- Determines Data Needs
- Technique of analysis

- Specifies Sources of data
- Suggests the type of research
- Development of Theory
NOTE: THESE POINTS ARE INDICATIVE AND NOT EXHAUSTIVE. PLEASE ELLABORATE THE ANSWERS WITH PROPER EXAMPLES WHEREVER APPLICABLE.

IMPORTANT QUESTIONS:

1. What is the meaning of Research Design?
2. Explain Need of research design.
4. Explain Types of Research Design.
5. What is Hypothesis? Explain the characteristics of a good hypothesis.
6. What are the Steps in formulation of Hypothesis?
7. What is the importance of Hypothesis?