

Research Process

What is Research

- Research refers to a search for knowledge.
- Research is art of scientific investigation.

What is the research process?

- Research process consist of series of actions or steps necessary to effectively carry out research and the desired sequencing of the steps .
- There are four principles stages in the research process that we will cover here:
 - Inquiry
 - Collection
 - Organisation
 - Presentation

7 STEPS OF RESEARCH PROCESS

- **Step 1:** Define research problem
- **Step 2:** Review of literature
- **Step 3:** Formulate hypotheses
- **Step 4:** Research design
- **Step 5:** Data collection
- **Step 6:** Data analysis
- **Step 7:** Interpretation and report writing

Step 1: Define Research Problem

-There are two types of research problem, viz., those

- relate to states of nature
- relationship between variables.

-Essentially two steps are involved in define research problem.

- understanding the problem thoroughly
- and rephrasing the same into meaningful terms from an point of view.

Step 2 Review the Literature

- The researcher must review the literature related to the research problem.
- Once the problem is defined, a brief summary of it should be written down.
- The review of literature also educates the researcher about what studies have been conducted in the past, how these studies were conducted, and the conclusions in the problem area.

Step 3: Formulate Hypothesis

- **HYPOTHESIS** - a contention based on preliminary evidence of what appears to be fact (an educated guess), which may or may not be true.
- Formulate hypothesis is tentative assumption made in order to draw out and test its logical or empirical consequences.

Step 4: Preparing the Research Design

- The function of research design is to provide for the collection of relevant evidence with minimal expenditure of effort, time and money.

Step 5: Data Collection

- Primary data
- and Secondary data

Step 6: Data Analysis

The analysis of data requires a number of closely related operations such as establishment of categories.

This stage mainly include :

- 1.Coding
- 2.Editing
- 3.Tabulation

Step 7: Interpretation and Report Writing

- Researcher has to prepare the report of what has been done by him. Writing of report includes:
 - 1. Preliminary pages
 - 2. Main text and
 - 3. End text.

Thank You