

Types of Research



Major Types of Research

- Descriptive Research
- Analytical Research
- Applied Research
- Basic Research
- Quantitative Research
- Qualitative Research



Descriptive Research

- Surveys and fact finding enquiries of different kinds
- Purpose is the description of the state of affairs as it exists in present
- Ex Post Facto Research
- Researcher has no control over the variables; he can only report what has happened or

Subdivisions of Descriptive Research

- Survey Research
- The Case Study
- Correlational Study
- Comparative Study





Analytical Research

- Involves in-depth study and evaluation of available information in an attempt to explain complex phenomenon
- The researcher has to use facts or information already available and analyze these to make a

Subdivisions of Analytical Research

- Historical Research
- Philosophical Research
- Review
- Research synthesis (meta analysis i.e. analysis of the review already published)

Applied / Action Research

- Finding a solution to an immediate problem
- Research aimed to find social or political trends that may affect a particular institution is an example of applied research
- Subtypes

Basic / Pure / Fundamental Research

- Concerned with generalizations and with the formulations of a theory
- Natural phenomenon and mathematics are examples of basic research
- Finding information that has a broad base of application

Quantitative Research

- Based on measurement of quantity or amount
- Weighing, measuring are examples of quantitative research



Qualitative Research

- Phenomena relating to quality or kind
- Character, personality and mankind are examples of variables used to measure qualitative research
- Word association test, sentence completion test

Conceptual / Experimental Research

- Related to some abstract idea or theory
- To develop new concepts or to reinterpret existing ones
- Attempt to establish cause and effect relationship



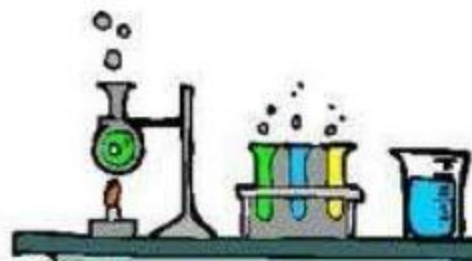
Unscientific Methods of Problem Solving

- Tenacity
 - Cling to certain beliefs despite lack of evidence
 - Superstitions; eg: Black cat brings bad luck
- Intuition
 - Considered to be common sense / self evident; may be found to be false

- The Rationalistic Method
 - Derive knowledge through reasoning
 - Basketball players are tall. Haresh is a basketball player. Therefore, Haresh is tall.
- The Empirical Method
 - Describes data or a study that is based on objective observation

Other Types of Research

- Based on Time
 - Cross – Sectional Research
 - Longitudinal Research
- Based on Environment
 - Field Research
 - Laboratory Research

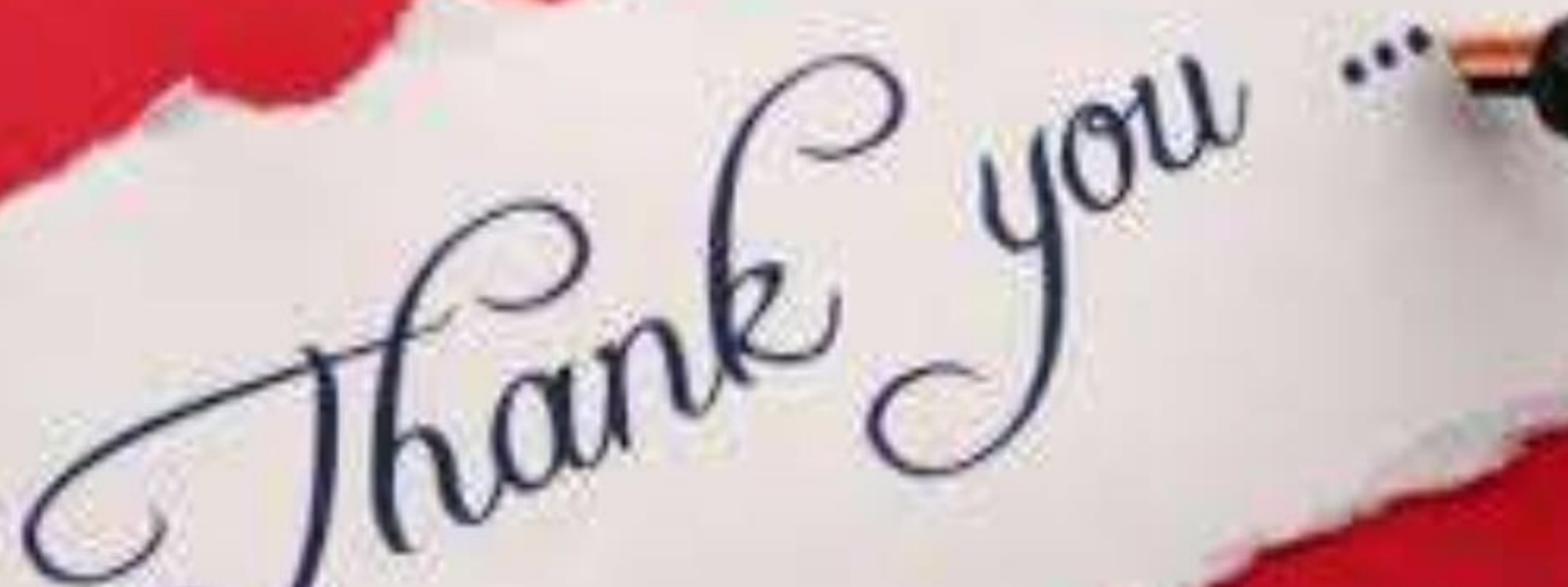


• Clinical or Diagnostic Research

- Exploratory Research
 - Hypothesis development, rather than hypothesis testing
- Formalized Research
 - Substantial structure and with specific hypothesis

- Historical Research
 - Utilize historical sources to study events of the past
- Conclusion oriented
 - Picking a problem, redesign enquiry, conceptualize
- Decision oriented
 - For the need for a decision maker researcher cannot

Thank you ...

A close-up photograph showing a black pen with a gold-colored tip writing the words 'Thank you ...' in a cursive script on a piece of white paper. The paper has a torn, deckled edge. The background is a solid, vibrant red color. The pen is positioned at the end of the sentence, having just finished writing the three dots.