

What is Research?

- Systematic investigation/experimentation into study of materials and sources to reach new conclusions.
- It is about addressing an issue, answering a question or solving a problem
- 3 steps – 1) pose a question, 2) collect data to answer the question and 3) present the answer to the question

Common Sense View of Science

- Science begins with observations
- All scientific knowledge comes from the facts of experience
- Theories are produced by observation of these facts and then tested by prediction
- Research is objective and can be tested again and again
- Common sense is subjective and can be influenced by many factors – personality, mood etc.

What is Research?

- A systematic, controlled, empirical and critical investigation of hypothetical propositions about the presumed relations among natural phenomenon (Kerlinger, 1976).
- It is an honest scientific investigation undertaken for the purpose of discovering new facts or establishing new relationships already known which will contribute to the present body of knowledge or can lead to solving problems under study.

Science and Research

- Science is based on facts
- What we see, hear and touch rather than personal opinions
- Two schools of thought – Empricists and Positivists
- Shared a common view that scientific knowledge should be derived from the facts arrived at by observation.