

Research is the systematic and creative process of inquiry to discover new information, create new knowledge, or use existing knowledge in a new way to increase understanding. It involves defining a problem or question, collecting and analyzing data through specific methodologies, and drawing conclusions, all while maintaining a focus on controlling bias and error. Research can take many forms, from academic experimentation to journalists investigating a subject, and is crucial for generating reliable and valid results across all disciplines.

Key aspects of research

- **Purpose:** To increase knowledge, find new information, and gain a better understanding of a subject.
- **Methodology:** Research is systematic, meaning it follows a defined process, which can include:
 - Identifying a topic or problem
 - Formulating a research question or hypothesis
 - Collecting data through various techniques like observation, surveys, or experiments
 - Analyzing and interpreting the collected data
 - Reaching conclusions and sharing findings
- **Scope:** Research is not limited to science or academia; it is a valuable tool in many fields and can be applied to everyday questions.
- **Ethics:** Responsible research requires adherence to ethical practices to minimize harm.