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Introduction – science and research

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SCIENCE AS A FORM OF KNOWLEDGE

- ❑ other forms of knowledge – e.g. religion, art, information from everyday life
- ❑ how is science different?

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 - Emphasis on the description of the method in scientific texts

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Specifics of social sciences

- Judgments about events that we all have an opinion on



RESEARCH

Scientific research is the systematic, controllable, empirical, and critical examination of hypothetical statements about the supposed relationships between natural phenomena.

RESEARCH

□ theoretical

- He needs a library, writing supplies, and the ability to think.
- Examples?

□ empirical

RESEARCH

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- Examples
 - Mathematics
 - Formation of a general sociological theory

□ empirical

RESEARCH

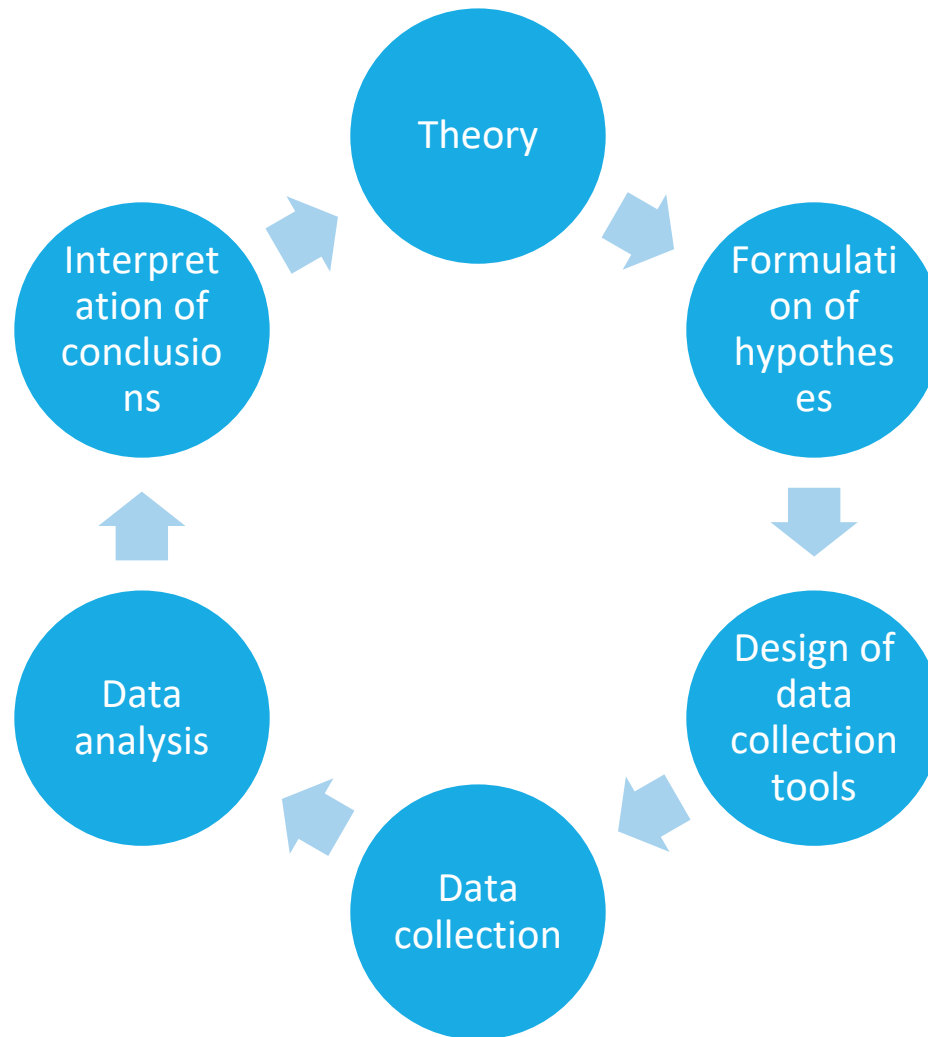
□ theoretical

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□ empirical

- Explores sensory objects
- He also always works with literature and theories

MODEL OF EMPIRICAL SCIENCE





BASIC CONCEPTS

Methodology

Methodology

Method

Technique

BASIC CONCEPTS

Methodology

- Theory of methods, the science of methods, a set of methods used in a particular field of research

Methodology

- Scheme determining the procedure for performing professional activities
- Research procedure including selection of methods, techniques and research sample

Method

- A system of rules and procedures, a systematic course of action aimed at achieving a goal (e.g. deductive or inductive method)

Technique

- Specific method of data collection – e.g., questioning, observation

RESEARCH BEGINS IN THE LIBRARY

The need to study previously written professional texts

- Professional books – content, introduction
- Professional articles - abstract
- Review process

Efficient processing of read text

- Basic questions
 - What is the main theme of the text, what problem does the text solve?
 - What conclusions are formulated in the text regarding this main topic?
 - How are the conclusions justified, how did the author arrive at them? – research method, theoretical argument

TASK

1. Choose a geographical/demographic/sociological topic (e.g. BP topic)
2. Find 3 professional articles on this topic (Czech or foreign language)
3. Based on reading the abstract or the entire article, try to briefly answer the three questions from the previous slide.