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What is a research?

- ∘ Study
- Systematic investigation
- Establish facts
- Reach new conclusions



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Characteristics of a research

- 1. EMPIRICAL: DIRECT EXPERIENCE OR OBSERVATION OF A RESEARCHER
- 2.LOGICAL: BASED ON VALID PROCEDURES AND PRINCIPLES
- 3. CYCLICAL: STARTS AND ENDS WITH A PROBLEM

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Charact	eristics	researc	١n

- 4. Analytical: Employ procedures in gathering data
- 5. Critical: Careful and precise judgment
- $\ensuremath{\mathsf{6}}.$ Methodical: Systematic method and procedures without bias
- 7. Replicability: Design & procedures are repeatable to arrive with valid and conclusive results

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Characteristics of a researcher

- 1. Intellectual Curiosity: Deep thinking and inquisitive
- 2. Prudence: Careful to conduct study at right time and place, efficiently, wisely and economically
- 3. Healthy Criticism: Always doubtful to truthfulness of results
- 4. Intellectual Honest: Honest to collect, gather data and arrive at honest results

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Characteristics of a researcher

5. Intellectual Creativity : Resourceful and creative in creating new researches

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Qualities of a Good Researcher

- R research oriented E efficient
- S scientific
- E effective A active
- R resourceful
 C creative
 H honest
 E economical

- R religious



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Summary

- Open minded and must adopt a critical way of thinking
- Hardworking, diligent, focused, devoted to his field of interest
- Updating knowledge
- Resourceful and inventive
- $_{\circ}$ Has to acquire an excellent knowledge of tools and techniques in the field
- Precise and honest
 Aware of basic mathematical and statistical principles and appreciate, interpret results

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