INTERNAL and EXTERNAL VALIDITY

Assignment
Beins, Chapter 5

Terms you should know.

Internal Validity

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Extraneous Variable

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. . . .
. . . .

Confounding Variable

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. . . .

Natural Confounding

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. . . .

Treatment Confounding

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. . . .
. . . .

Measurement Confounding

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Control Group

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Participant Selection/Assignment

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Non-random assignment

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Preexisting Groups

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Mortality

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Reactivity

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Evaluation Apprehension

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Novelty effects

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Demand Characteristics

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Participant reactivity

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Hawthorne Effect

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Experimenter Reactivity (Bias)

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External Validity

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Mundane Realism

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Experimental Realism

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Concepts you should master.

1. What are the requirements for establishing a cause-effect relationship?

2. What is meant by confounding? How can the effects of confounding be minimized?

3. What is meant by experimental control?

4. How can you minimize the effects of potential subject reactivity?

5. How can you minimize the effects of experimenter reactivity?

6. Suppose you were conducting a study of road rage. You designed a self-report survey with 20 questions each asking about a different aspect of road rage. What problems might you face? What are the components of external validity and how might they influence your interpretation of a research study?

7. Is it possible to have a study that is high in internal validity but no external validity? Why?

8. What impact does the selection of participants in a research study have on the external validity of the study?

9. What impact does the selection of treatment conditions influence the internal and external validity of an experiment?

10. What is the impact of realism on the external validity of a study?