

# Quantitative Research Designs

### *Chapter Checklist*

*After reading this chapter, you should be able to:*

1. Select and develop the appropriate research design for your hypotheses or research questions.
  2. Understand the strengths and limitations of each design form as it relates to research findings, and argue for your design choices.
  3. Explain the benefits of experimental forms over quasi-experimental and descriptive forms.
  4. Facilitate appropriate random assignment of participants to treatment and control groups.
  5. Manipulate independent variables according to their theoretical foundation.
  6. Conduct manipulation checks of independent variables.
  7. Interpret findings from experimental and quasi-experimental designs with respect to cause–effect relationships.
  8. Appropriately interpret findings from descriptive research designs.
  9. Consider the appropriateness of using online survey software.
  10. Develop a research protocol to limit researcher effects and procedural bias when conducting research studies.
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