

CHAPTER OVERVIEW

12: Cross-over Repeated Measure Designs

Objectives

Upon completion of this lesson, you should be able to:

- Recognize a cross-over repeated measures design.
- Understand what a wash-out period is.
- Test for the significance of carry-over effects.
- Adjust treatment means to account for carry-over effects.

In this lesson, we will be discussing the basics of cross-over designs briefly. A crossover design is a repeated measures design in which each experimental unit is given each of the different treatment levels during different time periods. This means that over time each experimental unit is assigned to a specific ordered sequence of different treatment levels. This is in contrast to a repeated-measures design in time, discussed in the previous chapter, where multiple (repeat) measurements are taken through time from the same experimental unit assigned to a specific treatment level.

[12.1: Introduction to Cross-Over Designs](#)

[12.2: Coding for Carry-Over Covariates](#)

[12.3: Programming for Steer Example](#)

[12.4: Testing the Significance of the Carry-Over Effect](#)

[12.5: Try It!](#)

[12.6: Chapter 12 Summary](#)

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