



Week 12 Overview

Undergraduate Research Methods in Psychology

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1 Last Week Review

- We talked more about the many difficult pitfalls of internal validity in experimental designs, and how to reduce them!
- We discussed how to cope with null results and possible causes for this result.
- We talked about narratives and details in writing and critiquing research.

2 Learning Objective(s)

- Explain why researchers combine independent variables in a factorial design.
- Describe an interaction effect in both everyday terms and arithmetic terms.
- Identify and interpret the main effects and interactions from a factorial design.
- Understand and produce examples of when factorial design would be useful and/or appropriate
- Discuss some basic statistics procedures that can be used with these designs

3 Lecture(s) & Participation

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Week 12 Class Meeting on Monday, Mar 31 at 6:00pm EST

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Week 12 Lecture and notes on complex, factorial experiments

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Q & A / Lecture Check-in due Monday, Mar 31 at 9:00pm EST in class

- No activities this week! Start using the additional time to edit and review your research proposal (maybe also go to the extra support centers for extra credit!)

4 Reading(s)

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Chapter 9

5 Homework & Assignment(s) Due



Research Proposal Design and Analysis Plan due on Sunday, Apr 6 at 11:59pm EST on Blackboard (look at instructions document for more details)

6 Assessments



Quiz 11 due Monday, Mar 31 at 9:00pm EST in class

7 Looking Ahead

- After this week, our out-of-class focus will fully pivot to having you all finish up your final drafts of your research proposals - give yourself plenty of time to edit and proofread as you put the different parts together.