



Week 11 Overview

Undergraduate Research Methods in Psychology

Quinton Quagliano, M.S., C.S.P

Department of Psychology

Table of Contents

| | | |
|----------|---|----------|
| 1 | Last Week Review | 2 |
| 2 | Learning Objective(s) | 2 |
| 3 | Lecture(s) & Participation | 2 |
| 4 | Reading(s) | 2 |
| 5 | Homework & Assignment(s) Due | 3 |
| 6 | Assessments | 3 |
| 7 | Looking Ahead | 3 |

1 Last Week Review

- We introduced the concept of experiments and their value in (finally) investigating causal claims
- We talked about the process of manipulation and random assignment in experiments
- We defined how the set up of experiment allow a tight control that, in turn, meets the 3 causal criteria better than the previous correlational designs

2 Learning Objective(s)

- Interrogate a study and decide whether it rules out twelve potential threats to internal validity.
- Describe how researchers can design studies to prevent internal validity threats.
- Interrogate an experiment with a null result to decide whether the study design obscured an effect or whether there is truly no effect to find.
- Describe how researchers can design studies to minimize possible obscuring factors.
- Describe the importance of comparison groups in ruling out threats to validity
- Explain an example for each type of validity threat

3 Lecture(s) & Participation

- ☐ Week 11 Class Meeting on Monday, Mar 24 at 6:00pm EST
- ☐ **Week 11 Lecture and notes** on experimental threats and confounds
- ☐ Q & A / Lecture Check-in due Monday, Mar 24 at 9:00pm EST in class
- ☐ **Week 11 Activity: Stats Analysis Review (Extra Credit)** due Monday, Mar 24 at 9:00pm EST in class

4 Reading(s)

- ☐ Chapter 5
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5 Homework & Assignment(s) Due

☐ **Homework 5** due on Sunday, Mar 30 at 11:59pm EST on Blackboard (look at homework instructions document and instructor example/demonstration for more details)

6 Assessments

☐ **Quiz 10** due Monday, Mar 24 at 9:00pm EST in class

7 Looking Ahead

- Keep pressing through! One more preliminary step in the research proposal assignment, and then we are in the final stretch of making final revisions! Start trying to make revisions and corrections to your previous steps now, so that your last two weeks of work are just revisions.