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## **Week 3 Overview**

Undergraduate Research Methods in Psychology

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## 1 Last Week Review

- We reviewed and quizzed on content from week 1, such as the foundational ideas of empiricism and the scientific process.
- We began discussing different sources of information of: research, personal experience, intuition, and authority.
- We determined the primary reasons why empirical research is the strongest foundation for evidence in our research and writing, and why the other sources are relatively weak.
- Went over the core sections of most research papers, and what each of those sections is likely to contain. We also began attempting to find some core important information in academic papers.

## 2 Learning Objective(s)

- Differentiate the three types of claims: frequency, association, and causal.
- Ask appropriate questions to help you interrogate each of the four big validities: construct validity, statistical validity, external validity, and internal validity.
- Explain which validities are most relevant for each of the three types of claims.
- Be able to identify types of variables, their scales of measurement, and the levels/values of a given variable. Understand what variables are likely to be manipulated vs. observed.
- Be able to identify and write frequency, association, and causal claims. Be able to assess what type of claim a certain article is attempting to make. Understand which scale of measurement variables are normally associated with each claim.
- Be able to assess what source a claim comes from, and whether the weight of evidence for a claim is valid. Understand how to approach claims through the lens of the four validities we discuss.

## 3 Lecture(s) & Participation

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Review all content for Week 3 on Blackboard

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**Week 3 Lecture and notes** on claims and validity

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☐ **Q & A Week 3 Discussion Board** due on Sunday, Jan 26 at 11:59pm EST on Blackboard

☐ **Literature Search Activity & Discussion** due on Sunday, Jan 26 at 11:59pm EST on Blackboard

## **4 Reading(s)**

☐ **Chapter 2** of Textbook (continuation of last week)

## **5 Homework & Assignment(s) Due**

☐ **Homework 1** due on Sunday, Jan 26 at 11:59pm EST on Blackboard. *Review and study APA references style before attempting!*

## **6 Assessments**

☐ **Quiz 2** due on Sunday, Jan 26 at 11:59pm EST on Blackboard

## **7 Looking Ahead**

- **Research Proposal References** due on Sunday, Feb 2 at 11:59pm EST on Blackboard (look at research proposal instruction document for more details)