

Incorporating Teaching and Classroom Experiences Into Your Research

Dr. Matthew Kelly

Assistant Professor & Academic Writing Consultant

ORS Research & Data Analysis Lab

Overview

- Discuss trends in teaching-focused research
- Explain conventions and writing strategies used in teaching-focused scholarship

How Can I Talk About Teaching?

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- Not everyone is in the field of Education
- Teaching-based research is not limited to Education
- Interest in teaching-based research has increased across all disciplines

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- Mostly individual case studies and pilot programs
- Less longitudinal studies or meta-analyses

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- Key feature of emerging research: testing out new pedagogical strategies
- Research is speculative in nature
- Experimentation and elaboration is an underlying theme

Best Practices for Discussing Teaching

- Let's discuss three things you should focus on when composing teaching-based scholarship

Best Practices for Discussing Teaching

- **First: institutional context is important considering small scope of teaching-based research**

Best Practices for Discussing Teaching

- First: institutional context is important considering small scope of teaching-based research
- Highlight the unique circumstances surrounding your teaching
- Show the interrelation between teaching and external conditions

Best Practices for Discussing Teaching

- Acknowledge limitations and opportunities based on institutional circumstances

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- Acknowledge limitations and opportunities based on institutional circumstances
- Example: teaching an upper-division course with many transfer students
- Having more transfer students creates new opportunities for modifying your teaching to resonate with student needs

Best Practices for Discussing Teaching

- **Second: explain rationale behind documents and activities that structured student learning experiences**

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- Teaching-based research often focuses on praxis
- Documents (assignment prompts, worksheets) mediate application of theory into practice
- In-person practices (lectures, class activities) also facilitate this application

Best Practices for Discussing Teaching

- Explain rationale behind teaching docs or in-class activities

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- Explain rationale behind teaching docs or in-class activities
- Treat these moments as a methods section
- Cite sources that influence design of class materials
- Explain intended learning outcomes

Best Practices for Discussing Teaching

- Third: discussing learning outcomes

Best Practices for Discussing Teaching

- **Third: discussing learning outcomes**
- **Identify achievements and results of students' work**
- **Narrate how design of teaching materials or practices might have cultivate these results**

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- Discussing learning outcomes parallels the results/analysis sections of an article
- Main goal: explain how the design of an experiment elicited certain results
- Speculate what future modifications might be made in order to be more successful

Best Practices for Discussing Teaching

- Let's recap

Best Practices for Discussing Teaching

- **First: describe institutional context**
- **Second: explain documents and practices that structured learning activities**
- **Third: analyze learning outcomes or results**

Best Practices for Discussing Teaching

- Conclude by discussing important policies

Best Practices for Discussing Teaching

- If you actively cite student work, please abide by IRB standards and conventions

Best Practices for Discussing Teaching

- Secure permissions from students

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- Secure permissions from students
- Have a neutral third-party proctor the permission form or agreement
- Alternatively, ask for permission once the course has concluded and all grades are submitted

Best Practices for Discussing Teaching

- If you do quote students, remove all identifying information

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- If you do quote students, remove all identifying information
- Use aliases or general titles (Student A, Student B)
- Avoid referencing information that can be used to identify a student

Conclusion

- Please consult the ORS Lab website for webinars and worksheets that discuss different writing strategies
- Resources dedicated to different research methods (qualitative, quantitative, and AI-assisted)
- Consultants available to discuss best practices for different research methodologies