

Regina Lisinker

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EDUCATION

- SEPTEMBER 2023 - PRESENT **University of Minnesota, Twin Cities — PhD Educational Psychology**
Psychological Foundations of Education, Learning/Cognition
Advisors: Dr. David DeLiema & Dr. Laura Allen & Dr. Andrew Zieffler
- OCTOBER 2023 **University of Minnesota, Twin Cities — MA Educational Psychology**
Quantitative Methods in Education, Statistics Education
Advisors: Dr. Andrew Zieffler & Dr. Chelsey Legacy
- JUNE 2020 **California Polytechnic State University, San Luis Obispo — BS Statistics**
Minor in Gerontology

TEACHING EXPERIENCE

University of Minnesota, Minneapolis, MN

- JANUARY 2022 - PRESENT **Instructor**
EPSY 3264: Basic and Applied Statistics (Spring '22, Fall '22, Spring '25)
EPSY 1261: Understanding Data Stories through Visualization & Computing (Fall '23, Fall '24)
Average Student Evaluation of Teaching Rating: 5.7/6 across 4 courses
- SEPTEMBER 2021 - PRESENT **Teaching Assistant**
EPSY 3264: Basic and Applied Statistics (Fall '21, Summer '23)
EPSY 5261: Introductory Statistical Methods (Spring '22, Summer '22, Spring '23, Summer '24)

Cal Poly Academic Skills Center, San Luis Obispo, CA

- APRIL 2019 - JUNE 2020 **Senior Leader**
Supplementary Workshops in Science (Statistics, Chemistry, Physics, Biology)
- APRIL 2018 - JUNE 2019 **Workshop Facilitator**
STAT 251: Statistical Inference for Management I (Spring '18, Fall '18)
STAT 252: Statistical Inference for Management II (Winter '19, Spring '19)

RESEARCH EXPERIENCE

University of Minnesota, Minneapolis, MN

- JANUARY 2024 - PRESENT **Research Assistant | DataX: Exploring Justice-Oriented Data Science**
Data Analysis
 - Conduct qualitative data analysis of secondary school classroom video recordings
 - Prepare presentations on co-designed curriculum and research findings
 - Assemble literature review of history and data science education research
- SEPTEMBER 2022 - PRESENT **Graduate Assistant | College in the Schools: Statistics Cohort**
Faculty Coordinator
 - Help plan and implement day-long professional development training sessions three times each year
 - Professional development topics include: data wrangling pseudo code, item writing, inter-rater reliability, and item analysis
 - Observe instructors to provide feedback on classroom engagement strategies two to three times each semester

Research Assistant | DSC-WAV: Code Review

Evaluation Team

- Create educational resources for data science students learning how to review code (code review checklist, style guide considerations, etc.)
- Implement survey to assess usability and helpfulness of created resources
- Analyze and report findings from retrospective survey

MANUSCRIPTS IN PROGRESS

2. **Lisinker, R.**, DeLiema, D., Scharber, C., Chen, B., Voigt, M. (in preparation). "Is there anyone in this room who wouldn't be counted?" Pedagogy at the intersection of history, data literacy, and justice.
1. **Lisinker, R.**, Legacy, C., & Zieffler, A. (in preparation). Writing Some Code and Checking it Twice: Code Review is Coming to Town

CONFERENCE PROCEEDINGS

2. **Lisinker, R.**, DeLiema, D., Scharber, C., Chen, B., Voigt, M. (2025). "Is there anyone in this room who wouldn't be counted?" Pedagogy at the intersection of history, data literacy, and justice. In *Proceedings of the 18th International Conference of the Learning Sciences - ICLS 2025* (pp. X-XX). Helsinki, Finland. International Society of the Learning Sciences.
1. Lisinker, R. (2022). A Qualitative Approach to Understanding Students' Attitudes Towards Statistics. In *Proceedings of the Seventh Annual Learning Sciences Graduate Conference* (pp. 31-32).
<https://www.lsgsc.org/proceedings>

INVITED PRESENTATIONS, PANELS, AND WORKSHOPS

7. Zieffler, A., Le, L., Legacy, C., **Lisinker, R.** (2025, April). [Inform Your Teaching with Statistics Education Research](#). Workshop at Minnesota Council of Teachers of Mathematics Spring Conference, Duluth, MN, United States.
6. **Lisinker, R.**, Legacy, C., Zieffler, A., Le, L. (2025, April). [Data-Rich Experiences for Engaging Students' Statistical Reasoning](#). Workshop at Minnesota Council of Teachers of Mathematics Spring Conference, Duluth, MN, United States.
5. Carpenter, Z. **Lisinker, R.**, Urena, M., Athilat, V. (2024, October). First Year Experience - Grad Student Panel. Minneapolis, MN, United States.
4. **Lisinker, R.** (2024, April). [Data Visualization: Creation and Consumption](#). Presentation at First Year Fest: Student progress presentations, Minneapolis, MN, United States.
3. **Lisinker, R.**, Zieffler, A., & Legacy, C. (2023, November). [Lessons in Code Review](#). Presentation at StatChat: An informal but informative get-together of local statistics educators in the Twin-Cities, St. Paul, MN, United States.
2. **Lisinker, R.**, Zieffler, A., & Legacy, C. (2023, June). *Talking in Code: Code Review as a Form of Communication*. Lightning Talk presented at the Research Satellite of the United States Conference on Teaching Statistics, State College, PA, United States.
1. Lisinker, R., Zieffler, A., & Legacy, C. (2023, April). *Talking in Code: Code Review as a Form of Communication*. Presentation at the StatEd Fest: Student progress presentations, Minneapolis, MN, United States.

CONFERENCE PAPERS AND SESSIONS

2. Zieffler, A., Legacy, C., **Lisinker, R.**, Vivas Corrales, P. (2025, July). Classify this! Adventures in algorithms. Breakout session at United States Conference on Teaching Statistics, Ames, Iowa, United States.
1. Lisinker, R., DeLiema, D., Scharber, C., Chen, B., Voigt, M. (2025, June). "Is there anyone in this room who wouldn't be counted?" Pedagogy at the intersection of history, data literacy, and justice. Paper presented at 18th International Conference of the Learning Sciences. Helsinki, Finland.

WORKSHOPS FACILITATED

3. Voigt, M., Lisinker, R., Scharber, C., DeLiema, D., Jeon, T., Chen, B. (2025, February). [Promoting Historical Literacy through Critical Data Science](#). Workshop at Data Science Education K-12: Research to Practice Conference, San Antonio, TX, United States.
2. Finholm, J., Gieschen, T., Zieffler, A., Lisinker, R. (2024, April). [Be Above Average: Teaching Stats for Deeper Understanding](#). Workshop at Minnesota Council of Teachers of Mathematics Spring Conference, Duluth, MN, United States.
1. Zieffler, A., Legacy, C., Lisinker, R., Vivas Corrales, P. (2024, April). [Films, Fruits, and Folklore: Introducing Ideas of Machine Learning to High School Students](#). Workshop at Minnesota Council of Teachers of Mathematics Spring Conference, Duluth, MN, United States.

POSTERS

9. Lisinker, R., Carpenter, Z., Legacy, C. (2025, July). Working Backwards: Data Visualization Activities Designed to Promote Struggle. [Poster presentation]. United States Conference on Teaching Statistics, Ames, IA, United States.
8. Lisinker, R., DeLiema, D., Scharber, C., Chen, B. (2025, March). Pedagogy at the intersection of history, data literacy, and justice. [Poster presentation]. Ed Psych Student Research Day, Minneapolis, MN, United States.
7. Lisinker, R. & Allen, L. (2024, August). *The GRAFIC Framework: Graphics-Relevant Advice to Facilitate Information Communication*. [Poster presentation]. Joint Statistical Meetings, Portland, OR, United States.
6. Lisinker, R. & Allen, L. (2024, June). [The GRAFIC Framework: Graphics-Relevant Advice to Facilitate Information Communication](#). [Poster presentation]. Electronic Conference On Teaching Statistics, online.
5. Lisinker, R. & Allen, L. (2024, March). *The GRAFIC Framework: Graphics-Relevant Advice to Facilitate Information Communication*. [Poster presentation]. Graduate Student Research Day, Minneapolis, MN, United States.
4. Lisinker, R., Zieffler, A., & Legacy, C. (2023, July). [Talking in Code: Code Review as a Form of Communication](#). [Poster presentation]. 13th Annual Satellite Conference of the International Association for Statistical Education, Toronto, Canada.
3. Lisinker, R., Zieffler, A., & Legacy, C. (2023, June). [Talking in Code: Code Review as a Form of Communication](#). [Poster presentation]. Research Satellite of the United States Conference on Teaching Statistics, State College, PA, United States.
2. Lisinker, R., Zieffler, A., & Legacy, C. (2023, June). [Talking in Code: Code Review as a Form of Communication](#). [Poster presentation]. United States Conference on Teaching Statistics, State College, PA, United States.
1. Lisinker, R. (2022). *A Qualitative Approach to Understanding Students' Attitudes Towards Statistics*. [Poster presentation]. Seventh Annual Learning Sciences Graduate Student Conference, Bloomington, IN, United States.

SERVICE

- SEPTEMBER 2024 - PRESENT (Co-) *Student Representative | Psychological Foundations of Education*
Program-level within the Educational Psychology Department
- SUMMER 2024 & SUMMER 2025 *AP Statistics Exam Reader | Educational Testing Service (ETS)*
- SPRING 2024 & SUMMER 2024 *Competition Judge | Undergraduate Statistics Project*
Competition hosted by the Consortium for the Advancement of Undergraduate Statistics Education (CAUSE)
- SEPTEMBER 2023- MAY 2024 *Student Senator | University of Minnesota Student Senate*
Representing Graduate Students in the College of Education and Human Development
- 2023 - PRESENT *Reviewer | Journal of Statistics and Data Science Education (JSDSE)*
- SEPTEMBER 2022- PRESENT *Organizer | Statistics Education: Engagement and Development for Students (SEEDS)*

PROFESSIONAL MEMBERSHIP & ACTIVITIES

APRIL 2025 -
PRESENT

Member | International Society of Learning Sciences

JULY 2022-
PRESENT

Member | American Statistical Association

SEPTEMBER 2021-
PRESENT

Lab Member | Laboratory Advancing Statistics Education Research (LASER)

Algorithmic Modeling: Curriculum Development

- Develop educational materials to teach classification methods and introductory machine learning techniques
- Formatted and styled templates to design high-quality presentations

Data Visualization: Curriculum Development

- Develop and update educational materials to teach data visualization comprehension and creation in R using ggplot2
- Design learning outcomes, course organization, and assessments
- Create project-based labs that emphasize data literacy

HONORS AND AWARDS

AY 2023-24

Excellence in Teaching Award

University of Minnesota, Psychological Foundations in Education

SPRING 2022
SUMMER 2023

Thank a Teacher certificate through the Center for Educational Innovation

University of Minnesota