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. Andrew Zieffler & Dr. David DeLiema & Dr. Laura Allen

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)
EPSY 1261: Understanding Data Stories through Visualization & Computing (Fall '23)
EPSY 5261: Introductory Statistical Methods (Fall '24)

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
- 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.**, Legacy, C., & Zieffler, A. (in preparation) Talking in Code: Code Review as a Form of Communication

1. Rao, V.N.V., Hurtado, I. L., Riegelman, A., delMas, R., & **Lisinker, R.** (in preparation). A review of research uses of the Comprehensive Assessment of Outcomes in Statistics. Retrieved from osf.io/yf3zh.

WORKSHOPS

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.

CONFERENCE PROCEEDINGS

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

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 POSTERS

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.

PROFESSIONAL MEMBERSHIP & ACTIVITIES

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

SERVICE

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)