Cheryl Fry

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Education

Master of Science in Statistics, 2026
GPA: 3.94/4.00
University of New Mexico, Albuquerque, NM

Master of Science in Mathematics / Mathematics Education (Dual Program, Online), 2019
GPA: 4.0/4.0
University of Houston, Houston, TX

Bachelor of Science in Mathematics, 2015
University of New Mexico, Albuquerque, NM

Bachelor of Science in Psychology, 2006
College of Santa Fe, Santa Fe, NM

Teaching Experience

Statistics and Mathematics Tutor
Santa Fe Community College, Tutor, 2009-2010, Volunteer Tutor 2012-2014

- Coached individual and small-group learning in algebra, statistics, precalculus, calculus, and statistical computing, supporting diverse learners across a wide range of preparation levels.
- Translated complex quantitative concepts into clear, accessible explanations to reduce math anxiety and strengthen confidence.
- Applied counseling experience with at-risk youth to create a supportive, student-centered approach to promote engagement, self-advocacy, and independent problem-solving skills.
- Guided students with coding R and RStudio, Excel, and Minitab for data analysis, drawing on undergraduate preparation in probability, statistical inference, regression, modeling, hypothesis testing, and nonparametric methods.

Teaching Assistant
San Diego Miramar Community College, San Diego, CA, 2011

- Assisted professors designing and leading review sessions to reinforce course concepts and mathematical reasoning for exam preparation.
- Served as lead academic coach for the women's soccer team, providing individualized instruction to help student-athletes maintain academic progress.

Statistics and Mathematics Tutor
Central New Mexico College, Main Campus, 2010

- Tutored college-level mathematics and statistics in a fast-paced urban academic setting with a high volume of student contact.
- Drew on coursework in advanced mathematics to support students in higher-level courses with strong subject-matter command.

- Efficiently shifted between courses and mathematical topics, helping students bridge subjects and deepen their critical thinking skills.

Teaching Assistant
College of Santa Fe, 2006
- Recognized by faculty for subject-matter strength and invited to tutor peers, eventually becoming the college's primary STEM tutor.
- Offered sustained one-on-one academic support to students, including a graduate who earned honors.

Relevant Math Education Coursework

Course: Teaching Mathematics and Science with Technology, University of Houston, Fall 2018
- Designed technology-based lesson plans that let students visualize and interact with mathematical concepts, supporting inquiry-oriented instruction through individual exploration, class discussion, and collaborative peer work.

Course: Developing Proportional Reasoning, University of Houston, Fall 2018
- Designed classroom adaptations that make proportional reasoning accessible to English learners, using visual representations, dual-language visuals, and supporting aids while preserving the rigor and meaning of the mathematics.

Course: Issues in Mathematics Education, University of Houston, Spring 2017
- Analyzed how instructional practices, access, and institutional structures shape equity and participation in mathematics, with a focus on math anxiety and students' sense of belonging.

Work Experience

Youth Support Specialist
Team Builders, Santa Fe, NM, 2006-2008
- Developed individualized strategies to help youth manage school and home life, build agency, and navigate complex family dynamics while supporting healthy development and addressing behavioral needs.

Research Experience

Benefits and Challenges of Integrating AI into Statistics Instruction (2025).
Reading and Research, University of New Mexico, Fall 2025
- Completed a semester-long independent literature review focused on the pedagogical opportunities, limitations, and emerging considerations associated with AI use in statistics instruction.

Technical Skills

R / RStudio, Overleaf, Canvas, AI tools (ChatGPT, Codex, Claude), Microsoft Excel, Minitab, Desmos, statistical computing, data analysis, regression, modeling, presentation development, instructional and curriculum development

Board & Advisory Roles

Above Treeline, Chief Executive Officer Santa Fe, NM, 2025–Present

- Leading philanthropic initiatives advancing opportunities for women and girl empowerment, expanding educational access, supporting underserved communities, and preserving the natural world.

Fry Family Foundation, Board Member United States & Canada, 2005–2025

- Evaluated and approved grants and leadership-focused scholarships, prioritizing organizations with strong management and fiscal accountability to support sustainable community impact.

Additional Volunteer Experience

Homework Tutor
Girls Inc of Santa Fe, Santa Fe, NM, 2020

- Completed volunteer training and provided homework support in an after-school setting that fostered confidence, curiosity, independence, resilience, and leadership.

Outreach Volunteer
Esperanza Shelter for Battered Families, Santa Fe, NM, 2006-2007

- Completed outreach training and supported community education at schools and local organizations through resource distribution, presentation support, and follow-up questions.