Haley Colgate Kottler, PhD(c)

(801) 529-6055   haleycolgate@gmail.com   https://haleycolgatekottler.github.io/

Creative and detail oriented problem solver, committed to leveraging data analysis methods to improve processes and client outcomes in collaboration with a multidisciplinary team

EDUCATION

University of Wisconsin - Madison, Madison WI — PhD in Mathematics — Expected May 2026

University of Wisconsin - Madison, Madison WI — MA in Mathematics — 2022

Colorado College, Colorado Springs CO — BA in Mathematics with distinction, cum laude — 2020

EXPERIENCE

BerbeeWalsh Department of Emergency Medicine, Madison WI — Data Analyst
January 2024 - PRESENT
- Lead data scientist responsible for data cleaning and analysis for a cross-disciplinary team
- Designed and implemented data processing pipelines for novel multilevel data
- Collaborated on study design and grant applications
- Visualized and presented data analysis results for a wide audience
- Mentored junior colleagues to determine appropriate statistical techniques and presentations
- Explained technical concepts to non-technical colleagues

University of Wisconsin-Madison, Madison WI — Teaching Assistant
September 2020 - December 2023
- Communicated key ideas and intuitions of topics ranging from developmental math to applications of mathematical modeling
- Provided constructive feedback to clients
- Developed scaffolded exercises and corresponding assessments to track progress
- Coordinated with colleagues to streamline workflows and encourage resource sharing
- Advised junior colleagues on effective communication and conflict resolution strategies

LEADERSHIP
- Organizer and problem writer for the Mega Math Meet 2023 - present
- Graduate student representative on the Graduate Program Committee for Mathematics
- Co-founder of Undergraduate Gender-Minorities in Math at Wisconsin 2023 - 2025
- UW - Madison Mathematics Exceptional Service Award 2024

SKILLS
- Programming in R, Python, Julia, SQL
- Adaptability
- Written and verbal communication
- Standard statistical techniques
- Data visualization
- Mentorship and teaching
- Presenting technical information to broad audiences