

TABITHA K. PETER

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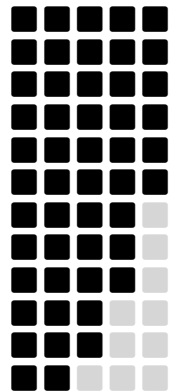
PROFESSIONAL SUMMARY

- I am a data scientist, biostatistics PhD, and writer. With 6 years of experience consulting with clinical collaborators and leading the data science component of health-related research projects, my specialty is communicating accessible, interpretable results to cross-functional teams.
- I am a team player, which means I am most productive and most energized by interdisciplinary collaboration. I have coauthored 17+ peer-reviewed articles in clinical journals, in addition to my own research in biostatistics.
- My technical expertise is in developing scalable R/C++ software packages to analyze high-dimensional data. In other words, identifying predictive signals from datasets with many features is my professional focus. I've contributed to two published R/C++ packages, **plmmr** (as lead developer) and **biglasso** (as co-developer).

TECHNICAL SKILLS

Skill level indicated at the right

R programming and package development
Version control for software development (Git/GitHub)
Statistical methods and predictive modeling
Writing technical reports (LaTeX, RMarkdown)
Data visualization (e.g., ggplot2)
Cleaning, preparing, & documenting healthcare data
Command line/scripting (bash, Linux/Unix)
C++ programming
Building data analysis pipelines
Understanding & implementation of machine learning
Containerization (Podman)
SAS programming



INTERPERSONAL SKILLS

- [Professional writing](#)
- Interdisciplinary collaboration in health science research teams
- Communication – facilitating collaboration, planning and directing meetings, giving presentations
- Attention to detail
- Commitment to integrity
- Spanish language - professional level (writing, listening, and [giving presentations](#))

WORK EXPERIENCE

U.S. Department of State

Medellín, Colombia

Fulbright Research Scholar

09/2024 - 04/2025

- Directed a cross-institutional research project as Principal Investigator in partnership with the Fundación Clínica Noel (a children's hospital), fostering collaboration between stakeholders in Colombia and the United States
- Demonstrated leadership in managing complex technical projects, influencing project scope, and elevating the quality of team deliverables
- Collected, stored, analyzed, transcribed, and translated qualitative data in Spanish, demonstrating proficiency in data management, analysis, and linguistic skills
- Managed comprehensive project documentation, including IRB protocols, Data Storage Policy, and Data Use Agreement, ensuring compliance with ethical standards and institutional policies
- Built and maintained a professional network with Fundación Clínica Noel, University of Iowa, and Universidad de Antioquia, enhancing research capabilities and international partnerships

U. Iowa College of Dentistry

Iowa City, Iowa

Senior Biostatistics Consultant

08/2021 - 08/2024

- Lead the planning and execution of multiple data science initiatives in parallel, working closely with stakeholders from various departments (including clinicians, administrators, and analysts) to identify data needs, provide insights, and drive projects

- Designed and implemented an [open-source R/C++ package](#) for analyzing complex genetic datasets, enabling scalable and reproducible research
- Mentored and supported junior consultants in statistical programming, project organization/documentation, and professional communication skills; wrote a [handbook](#) for onboarding

U. Iowa Carver College of Medicine

Iowa City, IA

Biostatistics Consultant

06/2021 - 09/2023

- Designed a data analysis plan and validated outcomes to address collaborators' specific objectives
- Lead data analysis and co-authored the results for [publication](#)

U. Iowa College of Dentistry

Iowa City, IA

Biostatistics Consultant

08/2019 - 08/2021

- Coordinated with clinical researchers and IT specialists to extract and analyze electronic health records, validating key outcomes and supporting evidence-based practice
- Facilitated cross-cultural collaboration by organizing and leading meetings, resolving scientific issues, and ensuring successful project completion and publication
- Created detailed protocols and sample size calculations, enabling clinicians to conduct research with confidence and precision

U. Iowa Department of Biostatistics

Iowa City, IA

Biostatistics Research Intern

06/2018-07/2018

- Applied machine learning methods to analyze [lung cancer screening image data](#)

EDUCATION

University of Iowa

Iowa City, IA

Ph.D., Biostatistics

08/2021 - 05/2025

University of Iowa

Iowa City, IA

M.S., Biostatistics

08/2019 - 05/2021

Wheaton College, IL

Wheaton, IL

B.S., Mathematics

08/2015 - 05/2019