Kevin Quinteros

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Profile Summary

Professional with 7+ years of experience in data-driven research and program evaluation. Skilled in quantitative and qualitative analysis, data visualization, and database management. Experienced in applying statistical modeling, workflow automation, and digital dashboards to support decision-making. Strong collaborator with proven ability to communicate technical findings to diverse audiences.

Skills

- **Data Analysis & Programming:** Python, R, Bash, ggplot2, Jupyter Notebook
- **Database & Workflow Management:** Git/GitHub, Snakemake, Conda
- **Data Visualization & Reporting:** Dashboards, R Shiny, Quarto, Typst, Latex, Markdown
- **Research & Evaluation:** Quantitative/qualitative analysis, program evaluation, statistical modeling, literature reviews
- **Collaboration & Communication:** Technical writing, cross-functional teamwork, presentations, SOP development

Experience

Postdoctoral Research Associate June 2024 — Present
Department of Biology, University of Maryland *College Park, MD*

- Conduct advanced data wrangling, statistical modeling, and visualization to support large data research projects.
- Standardized workflows and created digital documentation for reproducibility and team-wide use.
- Developed and maintained a **digital database for sample and project tracking**
- Delivered results through technical reports, dashboards, and presentations.

National Science Foundation Postdoctoral Research Fellow in Biology June 2022 — May 2024
Department of Biology, University of Maryland *College Park, MD*

- **Directed a $138K federally funded research project**, coordinating data collection, analysis, and cross-functional collaboration.
- Applied deep learning methods (neural networks) for variant detection using DeepVariant.
- Designed modular analysis pipelines in R and Python, reducing runtime by 50% using Snakemake.
- **Developed and revised 30 standard operating procedures (SOPs)** for data workflows and project evaluation.

Graduate Research Assistant Aug 2015 — May 2022
Department of Ecology, Evolution and Organismal Biology, Iowa State University *Ames, IA*

- Managed large-scale genomic and ecological datasets (500+ samples) with end-to-end data cleaning, formatting, and statistical analysis.
- Applied **Bayesian and maximum-likelihood models** to evaluate hypotheses and inform decision-making.
- Applied machine learning approaches for data clustering and inference.
- Collaborated with international teams, integrating diverse datasets and preparing joint reports and publications.

Education

Iowa State University Ames, IA
Ph.D., Genetics and Genomics *Aug 2015 — May 2022*

Iowa State University Ames, IA
B.S., Animal Ecology and Biology *Aug 2012 — May 2015*

Additional Information

- Peer-reviewed publications available at: [ORCID](https://orcid.org/0000-0002-7121-129X)
- Certifications: SACNAS Postdoctoral Leadership Institute (2023); MBL Molecular Evolution Workshop (2017)