

Rebekah L Scott

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Professional Summary

- Applied statistician with over four years of experience including consulting, teaching, graduate-level research, and 3 summer internships.
- Diversely trained in data visualization, traditional statistical methods (generalized linear models, Bayesian), and machine learning.
- Able to implement and interpret statistical models in multiple languages including R, Python, Julia, JMP, and SAS.

Education

Master of Science, Statistics Iowa State University Ames, Iowa 4.00 GPA Aug 2023 - May 2025

Bachelor of Science, Mathematics and Statistics Utah State University Logan, Utah *summa cum laude* Aug 2021 - May 2023

Work Experience

Statistical Consultant College of Agriculture and Life Sciences at Iowa State University Ames, Iowa Aug 2024 - May 2025

- Guided 7 long-term and 5 short-term clients with the correct usage of statistical methods in various fields of science.
- Advised on data visualization, experimental design, appropriate analysis, and interpreting results.

Graduate Research Assistant Department of Statistics, Iowa State University Ames, Iowa Jan 2024 - Aug 2024

- Modified a k-modes clustering algorithm for genetic data, implemented in Julia for ISU Veterinary Diagnostic Laboratory collaborators.
- Utilized the Linux terminal, bash scripting, a daemon, and parallel computing to streamline multiple simulation studies.

Graduate Teaching Assistant Department of Statistics, Iowa State University Ames, Iowa Aug 2023 - Dec 2023

- Taught statistical laboratory classes and gave students meaningful feedback on homework assignments.
- Assisted with two courses STAT 201: Introductory Statistics and STAT 4/587: Psychology Statistics.

Statistics Graduate Student Intern Los Alamos National Laboratory Los Alamos, New Mexico May 2023 - Aug 2023

- Collaborated with an interdisciplinary team using sequential design of experiments for a carbon capture project.
- Utilized parallel computing and created an R package for generating non-uniform space-filling designs to run code efficiently.

Undergraduate Research Assistant Department of Mathematics and Statistics, Utah State University Logan, Utah Aug 2022 - May 2023

- Explored modern experimental design by generating space-filling designs, presented poster at Utah State's 2023 Student Research Symposium.
- Analyzed economic and ecological data with random forests for interdisciplinary collaborators, manuscript prepared for publication.

Community Data Science Fellow Los Alamos National Laboratory Los Alamos, New Mexico May 2022 - Aug 2022

- Directed two interdisciplinary teams with a week-long data-sprint to advise two local nonprofits via data analysis.
- Cleaned and analyzed multiple data sources via a high performance computing to uncover need areas for local philanthropic efforts.

Mathematics and Statistics Tutor Aggie Math Learning Center, Utah State University Logan, Utah Aug 2021 - May 2023

- Tutored students in a range of subjects including from algebra to multivariate calculus, linear algebra, and differential equations.
- Earned College Reading & Learning Association Certification Level II Certification through two semester-long training courses.

Skills

Programming R, Julia, SAS, JMP, Python, Bash, \LaTeX , Git, HTML, CSS, parallel computing.

Soft Skills Time management, problem solving, communication, active listening, collaboration.

Languages English (native), Korean (intermediate), Russian (intermediate), Spanish (elementary).

Achievements

2024	Second Place in Graduate Student Oral Competition , Conference on Applied Statistics in Agriculture	Univ. of Florida
2024	Oscar Kempthorne Award for Excellence in Linear Models , Department of Statistics	Iowa State Univ.
2023	Outstanding Mathematics & Statistics Student , Department of Mathematics and Statistics	Utah State Univ.
2023	Dean's Scholar for Academic Excellence: 4.00 GPA , College of Science	Utah State Univ.
2022	Van Vliet Scholarship for Academic Achievement , Department of Mathematics and Statistics	Utah State Univ.
2021	Future of Women in STEM Scholarship , Chemours Company	
2021	Wells Fargo Veterans Scholarship , Wells Fargo	
2017	Annual Mathematics Student Award , Department of Mathematical Sciences	West Point
2017	Advanced Mathematics Program , Department of Mathematical Sciences	West Point