

Rebekah L Scott

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Professional Summary

- Statistician with over two years of experience including consulting, teaching, tutoring, 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: 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