Sarah Grobe

(she/her/hers)

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Technical Skills

Computer Science — Programming in C++, CSS, HTML, Java, JavaScript, PHP, Python, R, SAS, and SQL; Experience with Tableau, Git/GitHub, and Microsoft Office (Word, PowerPoint, Excel)

Data Analysis — Time series analysis, linear/logistic regression, predictive modeling, hypothesis testing, data visualization, data cleaning & manipulation, text analysis, sentiment analysis

Work Experience

***Data Analyst,* Bowdoin College Office of Institutional Research,** Brunswick, ME   June 2023 – Present
- Obtain, analyze, summarize, and visualize data sets to develop reports and fill data requests
- Collaborate on projects with team members and individuals across departments
- Manage multiple long- and short-term projects completed using Tableau, R, and Python
- Query and help maintain public and private databases associated with the College

***Ticket Operations & Data Analyst Intern,* UVM Athletics,** Burlington, VT   August 2022 – May 2023
- Update and analyze sales data to help guide marketing decisions
- Develop visualizations to help evaluate customer purchasing behavior
- Benchmark ticketing practices against NCAA peers
- Assist with administrative and customer service tasks as needed

***Calculator Intern,* UVM Real Food Working Group,** Burlington, VT   September 2019 – May 2020
- Enter, organize, and categorize data sets, manually and with technology
- Contact supervisors, suppliers, and businesses to research products
- Collaborate with other members to achieve long- and short-term goals

Publications

Wiltshire, S.; Grobe, S.; Beckage, B. A Historically Driven Spinup Procedure for Soil Carbon Modeling. *Soil Syst.* **2023**, *7*, 35. https://doi.org/10.3390/soilsystems7020035

Bird, Y. M., Grobe, S. E., Arnold, M. V., Rogers, S. P., Fudolig, M. I., Zimmerman, J. W., Danforth, C. M., & Dodds, P. S. (2023, May 15). *An assessment of measuring local levels of homelessness through proxy social media signals.* arXiv.org. https://arxiv.org/abs/2305.08978

Education

M.S. in Complex Systems & Data Science, University of Vermont (UVM), Burlington, VT   May 2023
Accelerated Master's Program (AMP) Student

B.S. in Data Science, University of Vermont (UVM), Burlington, VT   May 2022
Minor in Statistics
Honors College Scholar