

Megan Stachura

Social-impact driven data engineer, analyst, and project manager with over 12 years of experience managing complex projects, engineering data pipelines, analyzing data, distilling key results, and building dashboards, using Python, R, SQL, and AWS

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[LinkedIn](#)

[Personal Website](#)

[Google Scholar Publications](#)

EXPERIENCE

Analytics Engineer, Data Analyst - Remitly, 2021 - 2023

- Architected, built, and maintained data pipelines and infrastructure for insights, using Python, Scala, Spark, SQL, S3, and Redshift
- Utilized data to support decision making for marketing, product, and customer success teams, including designing and implementing data dashboard in Tableau and Sisense Periscope, planning and analyzing experiments, and conducting in-depth data analyses to inform resource investment
- Designed dimensional data models to follow best practices within historical, resource, and project limitations
- Worked with vendors to access business critical marketing data through file extracts and API connections
- Collaborated with business stakeholders to identify data needs and plan project goals and timelines, then carried out projects within an agile framework
- Authored thorough documentation and trained analysts and business stakeholders in appropriate use of data

Senior Scientist, Scientist - Four Peaks Environmental Science & Data Solutions, 2018 - 2021

- Architected, built, and maintained data pipelines and infrastructure using Python, SQL, S3, Lambda, MySQL, and SQL Server
- Designed and built interactive data dashboards and complex data visualizations using Python and R
- Project manager for up to 4 projects at a time with budgets over \$600K annually, coordinating teams to establish and meet project goals, timelines, and budgets
- Statistically analyzed data in R and Python and authored 5 reports to share project findings

Research Associate, Policy Fellow - U.S. National Marine Fisheries Service, 2014 - 2018

- Wrote R and R Markdown scripts to repeatably extract, clean, and summarize data to generate text and figures for regular reporting. Proactively identified potential projects
- Developed complex statistical and simulation models in R to inform sustainable fisheries management
- Trained colleagues to appropriately use and support data tools/scripts on an ongoing basis

SKILLS

Data Processing, Preparation & Management

SQL, Python (pandas, numpy), R (dplyr, R Markdown), AWS (Redshift, S3, Lambda, EC2), Scala, Spark, Excel, Google Sheets

Statistics & Machine Learning

Logistic regression, Bayesian hierarchical models, bootstrapping, cluster analysis, principal component analysis

Data Visualization

R (Shiny, ggplot2, plotly), Python (matplotlib, seaborn, plotly), Tableau, Sisense Periscope

Project Management

Jira, Trello, budget development

Communication & Collaboration

Git (GitHub, CodeCommit); Authored 16 scientific and 16 general audience articles; delivered 18 presentations

EDUCATION

Courses in Regenerative Economics (2023, The Capital Institute) and Regenerative Leadership (2024 ongoing, Regenerators Academy)

Master of Science in Aquatic & Fishery Sciences - University of Washington, 2013

Courses included R programming, data visualization, linear and non-linear regression, multivariate statistics, and Bayesian statistics. Statistically analyzed climate impacts on fish dynamics using R and published findings ([Google Scholar](#))

Bachelor of Science in Marine Science & Biology - University of Miami, 2010

Magna cum laude; minor in Mathematics