

Megan Stachura

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

mstachur@gmail.com

[LinkedIn](#)

[Personal Website](#)

[Google Scholar Publications](#)

EXPERIENCE

Data Analyst, Analytics Engineer - Remitly, 2021 - 2023

- Utilized data to support decision making for marketing, product, and customer success teams, including planning and analyzing experiments, designing and implementing data dashboard, and conducting in-depth data analyses to inform resource investment
- Developed efficient data pipelines and infrastructure for insights, using SQL, Python, Scala, Spark, S3, and Redshift

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

- Developed Python scripts and AWS pipelines to automate the transformation of raw data files into a standard format, correct data issues, extract useful data features, and produce summary metrics and statistical analyses
- Validated, managed, and queried data in MySQL and SQL Server databases
- Designed and built interactive data dashboards and complex data visualizations using R and Python
- Project manager for up to 4 projects at a time, coordinating client and team communications and work to meet deliverable timelines and budgets

Research Associate, Policy Fellow, & Intern - U.S. National Marine Fisheries Service, 2009 & 2014 - 2018

- Developed a simulation model of regional recreational fisheries in R, integrating data from 36 sources
- 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
- Implemented a logistic regression model to estimate the impacts of fishing methods on discarded fish survival rates
- Authored 16 web articles to communicate complex science and policy information to a general audience

Research Scientist & Graduate Fellow - University of Washington, 2010 - 2014

- Applied numerous statistical modeling techniques in R (e.g., Bayesian hierarchical models, cluster analysis) to evaluate environmental influences on fish species, utilizing commonalities across species to gain statistical power

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 proposals

Communication & Collaboration

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

EDUCATION

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

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

Magna cum laude; minor in Mathematics