Joshua Linenfelser

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Professional Summary

Data-driven environmental scientist transitioning into business analytics, with strong expertise in data analysis, statistical modeling, and GIS. Over 6 years of experience managing interdisciplinary research projects, analyzing large datasets in R, and presenting findings to diverse stakeholders. Experienced in identifying patterns, building insightful visualizations, and providing actionable recommendations.

Technical Skills

• Data Analysis & Visualization: R, RStudio, ArcGIS Pro, Excel
• Statistical Modeling: GLM, GAM, Mixed Effects Models
• Report Writing, Scientific Communication, Grant Writing
• Database Management, Data Cleaning, Experimental Design
• Tools: Microsoft Office Suite, PowerPoint

Education

M.S., Environmental Studies, Florida International University — Dec 2022

B.S., Marine Science, Florida International University — Apr 2019

Research Experience

Research Assistant, Coastal Fisheries Ecology Lab — FIU (2020–2022)
- Designed and managed a multi-year ecological research project
- Conducted spatial and statistical analysis using R and ArcGIS
- Delivered presentations and technical reports based on complex datasets

Lab Manager, Coastal Fisheries Ecology Lab — FIU (2020)
- Managed lab logistics, financial reporting, and inventory
- Coordinated research operations and ensured data accuracy

Policy Intern, Miami Waterkeepers — NGO (2023–2024)
- Conduct data analysis of sanitary sewer overflow events from 2000–2022
- Delivered insight into policy and infrastructure issues using time-series data

Scientist 4, South Florida Water Management District (2024–2025)
- Develop time-series and spatial models to assess hydrologic trends in the Everglades
- Analyze wading bird population and nesting data to uncover spatial-temporal trends
- Produce technical reports and visualizations that translate complex environmental data into policy-relevant insights for state decision-makers.

Selected Research Projects

M.S. Thesis: 'Tracing the Source and Fate of Nutrients in North Central Florida Bay'
- Led study integrating stable isotope analysis with GIS and statistical modeling
- Presented findings at multiple scientific conferences
- Managed project planning, data collection, analysis, and reporting

Professional Development

- Data Exploration, Regression, GLM & GAM with Intro to R — Highland Statistics (2021)
- Intro to Linear Mixed Models & GLMM — Highland Statistics (2022)
- Introduction to R — Highland Statistics (2020)