

Jennifer Raynor

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Executive Summary

Economist and strategic advisor with 15+ years of experience translating advanced analytics into organizational and policy impact. Expert in strategic narrative and value framing, making complex ML/AI methods decision-relevant for senior leaders and non-expert audiences. Proven full-cycle technical leader, delivering complex initiatives from implementation through adoption across government, academic, and nonprofit settings.

Core Competencies

- Full-Cycle Technical Leadership: Led end-to-end analytic initiatives, from hypothesis framing and data acquisition through modeling, validation, and decision-ready delivery
- Strategic Narrative & Value Framing: Frame complex technical work into clear strategic value propositions that drive stakeholder alignment and funding decisions
- AI/ML Strategy & Translation: Board-level experience translating AI/ML innovation into business and policy outcomes
- Executive Advisory & Governance: Provide strategic oversight and governance for AI-derived analytics, advising senior leaders on data integrity, risk, and methodological tradeoffs
- Technical Communication & Public Influence: Public-facing technical SME with 50+ on-the-record interviews (*New York Times*, *Washington Post*, *BBC*), distilling advanced analytics for non-technical and high-scrutiny audiences

Work Experience

Global Fishing Watch | Washington, DC (remote from Madison, WI)

Mar. 2023 – Present

Trustee (Board of Directors) & Founding Chair of the Scientific Advisory Board

AI-driven technology organization leveraging satellite data for global transparency and governance solutions

- Provide strategic governance during a period of rapid organizational scale-up (2× staff, 6× cash on hand)
- Advise senior leadership on data integrity and methodological tradeoffs in high-stakes decisions where AI-derived analytics are used for real-world monitoring, control, and enforcement by national navies and management authorities
- Lead a global, interdisciplinary panel of senior scientists, distilling complex technical work into prioritized, actionable recommendations for executive and board-level decision-making

University of Wisconsin-Madison | Madison, WI

Aug. 2022 – Present

Assistant Professor of Economics

Top-tier global research institution with over \$1.7B in annual research expenditures and a workforce of 20K+

- Published a global AI ocean-monitoring product integrating ~2 PB of satellite data to track vessels in near-real time
- Led end-to-end technical execution of a global fishing-compliance analysis across ~7 million km² of protected areas
- Architected the technical and impact framing that supported publication of the two studies above in the world's top scientific journals (*Science*, *Nature*) and broad global media uptake
- Acted as public-facing technical SME for AI-driven ocean monitoring initiatives, simplifying complex ML/AI and geospatial analyses across 50+ media engagements and briefings with policy-makers and funders

Wesleyan University | Middleton, CT

Jul. 2019 – Jun. 2022

Assistant Professor of Economics

Prestigious liberal arts college, widely known as one of the “Little Ivies” for its academic rigor and selective admissions

- Quantified causal impacts of wolf conservation on roadway safety, demonstrating a 63:1 benefit–cost ratio; presented findings to three major insurance firms to illustrate implications for risk premia

National Oceanic & Atmospheric Administration | Honolulu, HI

Sep. 2017 – Apr. 2019

Research Economist

Federal agency responsible for stewardship of the nation's ocean resources and habitats

- Led quantitative analysis and stakeholder alignment on endangered species bycatch reduction strategies; recommendations adopted as federal policy, increasing annual industry revenue by ~\$3M
- Designed and deployed analytics tooling (code, documentation, and training) that eliminated 2–4 month data request bottlenecks, reducing operational burden for analysts and database managers

University of Wisconsin-Madison | Madison, WI
Research Fellow & Project Lead**Jan. 2013 – Aug. 2017**

- Designed and administered an angler survey and developed discrete-choice behavioral models to predict participation and site-selection responses; advised fishery managers on fish stocking strategies to maximize recreational value

Bureau of Labor Statistics | Washington, DC
Economist**Sep. 2006 – Jan. 2013**

Federal agency providing foundational national economic analytics and high-stakes market data

- Led a 9-person inter-agency team to produce a global labor market report distributed in international forums; grew annual web traffic from ~30K to ~450K through targeted outreach and content strategy
- Led a 13-person, multi-year data modernization initiative; implemented quality controls that prevented erroneous data publication on two occasions

Education

Ph.D. Applied Economics, University of Wisconsin-Madison**Sep. 2014 – Dec. 2017****M.S. Environment and Resources, University of Wisconsin-Madison****Sep. 2012 – Dec. 2016****M.A. Applied Economics, Johns Hopkins University****Sep. 2010 – Aug. 2012****B.A. Economics, LeMoyne College, *summa cum laude*****Sep. 2001 – May 2005**