Wesley Hovatter

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Environmental analyst specializing in clean energy origination, low-carbon fuels, and energy market analysis. Proven track record in developing energy models, financial tools, and forecasts to support strategic decision-making. Expertise in data visualization, cross-functional collaboration, and market trend analysis.

Experience

Energy Analysis Consultant Ashworth Leininger Group   Aug '23–Present

- Developed forecasting models, calculators, and reporting tools using R, VBA, and PowerBI tools to enhance strategic client decision-making.
- Modeled energy consumption and low-carbon fuel consumption using Argonne National Laboratory's GREET model for use in carbon credit generation.
- Collected and transformed large (2.5M+ entries) environmental datasets for clients in energy industries for ESG reporting and forecasting.
- Collaborated with cross-functional stakeholders to conduct, disclose, and visualize the results of comprehensive environmental impact reviews, economic analyses, and life-cycle analyses.
- Achieved a 20% reduction in carbon emissions for an energy client through process optimization.
- Created VBA tools designed for ease in creating monthly emissions reports for fuels and clean energy clients.
- Developed multi-year energy forecasting models assessing project viability, financial performance, and carbon mitigation potential for diverse energy clients.

Publication Chair Air & Waste Management Association   Apr '24–Present

- Led editorial review process for EM Magazine, selecting and refining articles highlighting emerging renewable energy technologies and market transformations.
- Authored article on regulatory changes in the Sustainable Air Fuels market, and implications on future financial development, GHG reporting, and LCA forecasting.

Economic Research Assistant San José State Economics Department   Oct '22–May '23

- Developed predictive economic models using advanced statistical techniques in R and Python, generating data visualizations that informed research strategies for departmental policy recommendations.

Environmental Research Intern Center for the Development of Recycling   Jun '21–Dec '21

- Conducted LCA on recycling proposals and developed ESG publications for both local government, and internal policymakers, utilizing Excel, and R for data analysis, automation, and visualization.
- Designed sustainability assessment framework that identified potential 15% efficiency gains in recycling processes, directly informing strategic recommendations for local government sustainability initiatives.

Education

San José State University   2018–2023

M.A. Applied Economics, **B.S.** Economics | Minor**:** Environmental Science

Thesis: Measuring the Effects of Infrastructure and Fuels Investment on Demand for Passenger Vehicles

Coursework: Econometrics (R), Environmental Economics, Financial Forecasting, Environmental Impact Analysis

Awards: Dean's Scholar (2018, 2021), Hispanic Scholarship Fund (2022), Econ Department Best Paper Nominee (2020)

Leadership: Men's Lacrosse (President & Captain), Meatspace Environmental Magazine (Treasurer & On-Staff Writer)

Terra.do Courses taken in Energy Markets, Global Finance, and Climate Science   2024

Skills

R, R-Shiny, Python, VBA, Power BI, Excel, Argonne's GREET, Forecasting, Clean Energy Modeling, API Data Integration, Environmental & Economic Analysis, Statistical Modeling, Data Visualization, Life-Cycle Analysis, Bilingual (French)