Ross Lojek

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EXPERIENCE

Data Analyst — Amherst, MA
Chartered Alternative Investment Analyst Association — *June 2022 - October 2023*
- Built, maintained, and interpreted three robust web-based executive dashboards on global nonprofit membership using Tableau, R, and SQL Server, and developed KPI's for 13,000+ global members and 6,000+ annual candidates
- Presented findings to audiences of varying data literacy, including executives and PhD researchers, utilizing a combination of reports, presentations, and interactive visualizations to critically analyze performance
- Identified significant membership attributes including geography, age, and industry, which allowed for targeted policies and resulted in 21% YOY growth in eligible membership candidates
- Drafted and enforced IT policies on data security, documentation, GDPR, and version control by standardizing processes and ensuring compliance in Excel and Tableau
- Led data analytics initiatives within global organization, including creation and presentation of medium-term data analytics strategy to senior leadership and external consultants
- Provided critical, time sensitive updates, including BoD documentation, under cyclical high pressure situations

Research Assistant — Amherst, MA
University of Massachusetts — *August 2021 - May 2022*
- Constructed econometric, data mining, and machine learning models including multivariate regression and logistic regression, clustering, and decision trees to analyze relationships on pre- and post-pandemic physician reviews
- Developed web scraping program in Python using pandas and beautifulsoup libraries to collect data from physician review sites, relevant to forthcoming work by Professor Rudolph Bedeley, Ph.D
- Debug, document, and update inherited code using Spyder and Jupyter Notebook

Teaching Assistant — Amherst, MA
Business Communication Center — *September 2021 - May 2022*
- Prepared and conducted weekly 50 minute lectures to class of 22 first year students, using PowerPoint and MS Word
- Coordinate regular 1-on-1 meetings to foster positivity and trust, allowing for effective constructive criticism

Independent Commercial Fisherman — Newbury, MA
Clam Fisherman — *June 2013 - May 2022*
- Operated in a unique local economy that supports blue collar fishermen and coastal communities, while observing the impact of macroeconomic forces, including climate change and policy response
- Harvested shellfish under demanding physical and psychological conditions as independent and unsupported entity

RESEARCH AND COMMUNITY INVOLVEMENT

Sustainable Labor Practices Independent Research — *2022*
- Provided novel policy framework for regulation in gig economy, defending continuous inputs in the use of wage determination algorithms, achieving distinguished recognition from sponsor Rudolph Bedeley, Ph.D
- Collected, preprocessed, and analyzed data in R using dplyr, ggplot2, knitr, and other libraries within tidyverse
- Document source code, BI workbooks, and Excel workbooks to increase transparency and ensure skill transfer
- Apply statistical inference and develop visualizations with an emphasis on geographic and time series data

Proficiency in: R (Rstudio), tidyverse, ggplot, dplyr; Python, pandas, numpy; Tableau; Java; C++

Climate Change Resilience in Marine Fisheries Grant — *2021*
- Co-authored grant proposal to inform policy on climate change and ocean acidification on Northern Massachusetts populations of the soft shell clam (*M. arenaria)*
- Advocated for sustainable fishing practices to benefit marine ecosystems as well as the local economies they support
- Developed schedule, budget, and planning necessary to execute resource constrained research

Proficiency in: Microsoft Office, PowerPoint, Excel, Word; Google Workspace, Docs, Slides

EDUCATION

University of Massachusetts Amherst — Amherst, MA
Bachelor of Business Administration in Operations and Information Management — *May 2022*
Isenberg School of Management: major in Operations and Information Management
College of Social and Behavioral Sciences: double major in Economics
College of Information and Computer Sciences: minor in Information Technology (IT)
- **Cumulative GPA: 3.8**; Dean's List; Florence Evans Bushee Scholarship; Essex County Agricultural Scholarship