



Ian Bogley

Data Specialist, Intelligence Analyst.

Tools

R/Shiny, Python, SQL, JavaScript, VBA, HTML/CSS, Git, Power BI, Excel

Education

Master's of Applied Economics,
University of Oregon (2021)

Skills

Data Analysis (hypothesis testing, regression, EDA, visualization), Machine Learning (KNN, Decision Tree, Logistic Regression), Relational Databases, Big Data (Google BigQuery)

Other Resources

<https://ibogley.github.io/website/>

<https://www.linkedin.com/in/ian-bogley-857088196/>

<https://github.com/ibogley>

<https://www.kaggle.com/ianbogley>

Experience

35F: Intelligence Analyst, OR Army National Guard (9/2024-Current):

- Performed analysis on issues relating to national defense
- Top Secret-SCI clearance

Data Specialist, Energy Trust of Oregon (4/2022-Current):

- QC'ed Monthly Organizational Activity forecasts.
- Used SQL to query data for Power BI Reports and Shiny web applications, as well as to execute ad hoc data requests and calculations.
- In Excel, performed analysis on the growth of our subcontractor network, quality checked mailing lists, and presented data requested by other parts of the organization.
 - Functions and tools used included Pivot-Tables, VLOOKUP, and the VBA programming language.
- Created Power BI and R/Shiny products to inform relevant internal and external parties on Energy Trust activities.
 - Tracked historical trends and geographic distributions of customer savings and projects implemented.
 - Dynamically forecasted progress made by Energy Trust programs and subdivisions towards organizational goals.
- Used Shiny to automate general business routines.
 - Validated subcontractor expense reports.
 - Fulfilled data requests for marketing and program use.

Local Government Fiscal Note Analyst, Washington State Department of Commerce (12/2021-4/2022):

- Wrote fiscal notes detailing the potential impact of upcoming legislation on local governments.
- Networked with experts from public institutions and lobbyists around the state to gather input on relevant bills.
- Sectors covered included energy, broadband, telecommunications, infrastructure, economic development, and financial institutions.

Intern, International Development Group (6/2021-8/2021):

- Used Excel to visualize road user demographics for external stakeholder reports.
- Provided assistance for internal documentation and miscellaneous projects, including business development research.

Research

- Research Proposal: Hedonic Valuation of Access to Public Transportation
- Forecasting Retail Sales with an ARIMA Model
- Barriers to Business in the Western Balkans
- The Impact of COVID-19 Lockdowns on International Trade Integration
- Hypothesis Testing: US Presidential Election Polling Errors
- NBA All-Star Predictions with Machine Learning (R)
- Predicting Used Car Prices with Advanced Regression Algorithms (Python)