



# Ian Bogley

## Data Specialist, Intelligence Analyst.

### Tools

R, Python, SQL, JavaScript, VBA,  
HTML/CSS, Git, Power BI (DAX), 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

#### 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)