

# Randi Bolt

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## Projects

### **Covid-19 Analysis in R** – Summer 2021 - Present

- Used R packages from the Tidyverse to clean and join daily COVID-19 data from the New York Times with census data from the R package tidycensus to explore trends in cases and deaths in both the United States and Oregon.
- Created tables, interactive graphs, and maps using R packages gt, plotly, and ggplot2.

### **Personal Blog : rbolt.me** – Summer 2021 - Present

- Created and maintained a personal website and blog dedicated to data analysis, statistics, and mathematics using Quarto, Github, and Netlify.
- Applied data analysis techniques using R and Python to evaluate various data sets, including creating data visualization, and performing statistical analysis.
- Demonstrated expertise in popular data science techniques such as Natural Language Processing(NLP), web scraping, and developing R packages.

### **Oregon Grown : Dispensary Diversity** – Fall 2020 - Spring 2021

- Investigated dispensary diversity in Oregon using spatial references from Oregon Spatial Library, ARLIS, and PCC Geography Department and mapping techniques such as select by attribute, spatial join, clip, and XY Table to Point.
- Formatted, organized, added classifications, and geocoded a data table of approximately 700 rows of data from the Oregon Liquor Control Commission's active marijuana retail license.
- Discovered that more than half of dispensaries in Oregon are owned by chains, and about 10% of dispensaries in Portland's Urban Growth Boundary are owned by one chain, Groundworks.
- Presented at [GIS in Action 2021](#) virtually on April 22nd, 2021.

## Work Experience

### **Finastra - Product Owner / Software Analyst**

June 2022 - November 2022

- Coordinated with product managers and development managers to create user stories for two new SaaS products within an Agile framework of software development.
- Conducted initial groundwork for an Application Health Dashboard, which involved identifying important metrics to track and grouping them into relevant categories.
- Used KQL to query Azure Application Insights to extrapolate frequency of page views and document usage, and worked with the team to create data visualizations in Power BI. Identified data quality issues, resulting in inconclusive analysis.

### **Unified Management Team, LLC - Team Lead**

April 2018 - August 2019

- Used Microsoft Excel to create menus, sample feedback logs, and informational handouts.

### **General Sheet Metal - General Accountant / Accounts Payable / Office Administrator**

August 2016 - April 2017

- Provided regular support throughout the 6 main divisions of the company with contracts, change orders, project budgets, and company spending.
- Processed and electronically filed tool reports, reimbursements, packing slips, and time cards of 40 shop employees using Microsoft Excel.
- Reduced company costs by \$20 to \$3,000 per week by paying vendors on time and with attention to payment terms.

## Education

### **Portland State University**

Bachelor of Science in Mathematics  
June 2022

### **Portland Community College**

Associate of Applied Science  
(Credits Earned) December 2020