

# Jerrica Raemer

Results-Driven, Detail-Focused Data Analyst

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Let's Connect on LinkedIn: <http://www.linkedin.com/in/jerrica-raemer>

View My GitHub Repositories: <http://www.github.com/JerricaRaemer>

My Website: <https://jerricaraemer.github.io/>

## Brief Summary of Qualifications

- **Main Technical Strengths** Python, SQL, Excel, GitHub, Jupyter Notebook, and Google Colab.
- **Experience** 6 years in Pretax Benefits Administration: **Advanced Excel**, Backend Processes and Plan Setup, Excel-based **Data Analysis** of large-scale employee census data.
- **Data Analysis Expertise:** Proficient in **Python (Pandas, NumPy, Matplotlib)**, **SQL**, and **Excel** for data cleaning, querying, visualization, and statistical analysis.
- **Data Visualization:** Skilled in creating dashboards and visualizations using **Python, Tableau, and Excel**.
- **Statistics & Analytics:** **Regression Analysis**, Hypothesis Testing, A/B Testing, Boxplots, Quartiles, and Correlation.
- **Project Management:** Collaborated with cross-functional teams (billing, sales, healthcare) to ensure **data accuracy** and **process efficiency**.
- **Soft Skills:** Strong communication (technical & nontechnical audiences), problem-solving, critical thinking, and collaboration.
- **Work personality:** **Team Player, Willing Learner, Resource Provider, Dependable**
- **BS in Math, 2024** Courses: **Statistics, Probability, Data Analysis**  
Tools: Python, Pandas, Tableau, SQL, APIs, JavaScript, HTML.

\*\*\* Detailed Resume on following pages

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## Professional Summary

Data analyst with a passion for uncovering insights that drive business decisions. Experienced in Python, SQL, and Tableau, with a proven track record of optimizing workflows and delivering data-driven solutions.

## Key Data Analysis Projects

➤ Repositories available on my GitHub: <http://www.github.com/JerricaRaemer>

**Data\_Visualization:** Python Pandas data cleaning, read in CSV files, data calculations, visualizations, quartiles, correlation, boxplots, visual data dashboards, exported results.

**SQL\_Data:** Created and edited tables in SQL, queried data, designed and modified database tables, inner joins, organized data by grouping, ordered columns.

**SQLAlchemy:** Used Python to query data stored in SQL, built visualizations in Python, and used Pandas data frames to organize the data. Sorted, grouped, and calculated key metrics.

## Professional History

**2018-2024 – Pursuing My Degree:** Tutored college math, TA'd college math courses, mentored students entering college, and participated in **Data Analyst research in Science and Math**.

**2010-2017 – Career in Pretax Benefits Administration:** **Navia Benefit Solutions** in Bellevue, WA, and **PacificSource Administrators** in Springfield, OR. I worked in several departments including **Customer Service, Claims, Client Services, and Enrollment**. I also worked very closely with our **Billing, Sales, and Health Insurance** teams to provide the best service.

**Responsibilities in Benefits Administration:** Analyzed **large-scale** benefits data using **data analysis** techniques in **Excel** to **identify trends**. Ensured data **confidentiality** and **accuracy** while **providing insights** to plan participants and employers. Managed **backend processes**, including online enrollment **setup**, benefit card **implementation**, and new employer plan **configurations**.

## Technical Skills

**Data Analysis:** Python (Pandas, NumPy, Matplotlib), SQL, Excel

**SQL:** Querying, Inner/Outer Joins, Grouping, Ordering

**Excel:** PivotTables, Conditional Formatting, Formulas, VLOOKUP, Macros

**Data Visualization:** Python, Tableau, Excel

**Databases:** PostgreSQL, MySQL, NoSQL

**Tools and Platforms:** GitHub, GitLab, Jupyter Notebook, Google Colab

**Statistics:** Regression Analysis, Hypothesis Testing, A/B Testing, Boxplots, Quartiles, Correlation

**Programming:** in Python, SQL, HTML/Markdown, JavaScript

## **Work Experience Details**

### **Data Science Mentor at Student Academy to Inspire Learning (SAIL), 09/2023-01/2024**

Provided data-driven guidance using Excel to track student progress, analyze trends, and support decision-making while ensuring data accuracy and confidentiality.

### **Data Research Analyst at SPICE Science, 06/2023-10/2023**

Analyzed middle school girls' interest in science, provided data-driven insights, and recommended program improvements to enhance engagement.

### **Learning Analytics Assistant at Amplify My Math Placement, 09/2019-01/2020**

Leveraged AI tools and data analytics to monitor student progress, assess performance, and enhance learning through personalized math support.

### **Data-Driven Math Tutor at Math Resource Center, 09/2019-01/2020**

Tutored students in 100-200 level mathematics, tracked progress in Excel, and provided guided problem-solving support.

### **Corporate Receptionist Trainer at The Papé Group, 04/2017-04/2018**

Developed Excel automation tools for tracking, reporting, and Receptionist training across 96 locations, reducing manual reporting errors and improving efficiency.

### **Credentialing Specialist at Trillium Community Health Plan, 12/2016-03/2017**

Analyzed and verified healthcare provider data, conducted provider outreach to update records, and ensured compliance with HIPAA regulations.

### **Enrollment Representative at PacificSource Administrators, 04/2014-03/2016**

Streamlined pre-tax benefit data processing by utilizing Mail Merge and Excel macros to automate reporting, set up benefit card plans, and set up online enrollment, managed electronic medical records.

### **Lead Communications Representative at Navia Benefit Solutions, 12/2010-08/2013**

Educated plan participants at benefit fairs, healthcare administration, healthcare management, ran data comparisons on census data using Excel, and ensured compliance with HIPAA/IRS regulations.

## **Soft Skills**

**Communication** to both technical and nontechnical audiences

**Problem-Solving** for code, math, and beyond

**Critical Thinking** to identify patterns, draw conclusions, and make sound recommendations

**Collaboration** across teams, clarify project goals, ensure follow up and completion of projects

## **Key Skills Gained in Benefits Administration**

**Excel** data comparisons between spreadsheets, AbleBits add-on, census data

**Benefit Cards** set up, management, locking/unlocking

**Account Systems** management, analysis, strategic planning

**Project Management** for clients, participants, and internal teams

**Attention to Detail** to ensure reliable data and avoid errors

## **Education**

**Bachelor of Science, Mathematics**, University of Oregon, 2024

**Key Courses:** Data Analysis, Linear Algebra, Probability, Stochastic Processes.