


JESSIE AUSMAN

Data Analyst, Public Health Professional

EXPERIENCE

2022–
Present


Public Health Informatics Analyst

Tarrant County Public Health Department  Fort Worth, TX (Hybrid)

- Completed daily public analyses, ad hoc data requests and disease reporting
- Started and manage the first Postgres database for the Informatics division
- Designed a Shiny application for point-and-click database querying for personnel with limited R/SQL experience
- Combined SQL/APIs to extract data, R to transform, analyze and create data reports and Task Scheduler to automate repeated processes, saving the organization 5+ hours per week on reporting
- Documented >15 daily processes using RMarkdown and Quarto
- Performed record linkage/de-duplication for large data (1.5+ million observations)
- Trained >20 employees in R for data analyses, disease investigation processes and data entry/management
- Saved investigators 10 hours/week tracking performance metrics by creating an interactive report capable of tracking these metrics automatically
- Visualized & summarized data using Power BI, Flexdashboard (R), and Quarto (R)
- Conducted vaccine-preventable and foodborne disease investigations

2020–
2022

Graduate Research Assistant

UNTHSC, Center for Older Adults  Fort Worth, TX (Hybrid)

- Acted as IT/Data Entry for zoom-based, Project ECHO education programs; called recruited 25+ nursing homes to the program
- Conducted literature reviews and summarized data for 3 separate grant proposals using SAS, Excel and R
- Extracted, cleaned, analyzed and visualized clinical, demographic, and training data and summarized findings to program leadership using R, SAS, SQL and Tableau
- Conducted an analysis of barriers to care among Wellmed patient population, identified top 5 barriers to care and provided recommendations to address barriers to care based on well-established best practices for intervention

2019–
2020

Research Technician

University of Texas at Arlington  Arlington, TX

- Collected, organized, analyzed and presented scientific findings related to research on antimicrobial resistances
- Conducted research in infectious microbes
- Analyzed research data for publication using R and Excel


Skilled Analyst with 4 years of professional experience, including analyses of performance metrics, lab data, patient and other health data. Especially proficient in SQL, R, Tableau and Power BI with proven ability to lead innovative solutions, manage databases, train personnel in R and transform complex data into actionable insights, saving time and improving health outcomes.

CONTACT INFO

 jessaus1305@gmail.com

 github.com/JessAus

 [LinkedIn](#)

 817-528-5464

SKILLS

R Package Development

Quarto / RMarkdown

Shiny App Development

Data Visualization

Data Analysis

API Integration

Process Automation

Git / GitHub

PostgreSQL / SQL / T-SQL

Snowflake

QuickBase

Database Management

Project Management

ETL Skills

Familiarity with Snomed/LOINC

SharePoint



EDUCATION

2022–
Present

Certified in Public Health (CPH)

Certification awarded to MPH graduates who pass the CPH exam administered by NBPHE

📍 Fort Worth, TX

2020–
2022

University of North Texas Health Science Center (UNTHSC)

Master's of Public Health (Epidemiology Concentration) | Dean's List

📍 Fort Worth, TX

2017–
2019

University of Texas at Arlington

Bachelor's of Science, Microbiology | Summa Cum Laude Honors

📍 Arlington, TX



PRESENTATIONS/PUBLICATIONS

Using Open-Source Software (RStudio, R Shiny, & PostgreSQL) to Promote Data Modernization in Public Health

Council for State and Territorial Epidemiologists (CSTE) Conference 2024 | Presenter, Author

📍 Pittsburgh, PA

Advancing the Knowledge, Skills and Abilities of the Long-term Care Workforce Through the Project ECHO Platform to Improve the Health of Older Adults

Texas Public Health Association (TPHA) 2022 | Presenter, Author

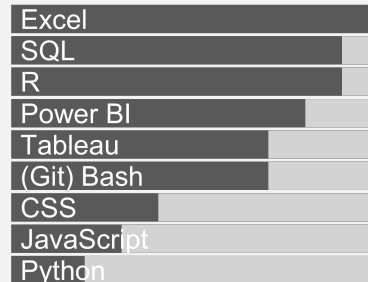
📍 Fort Worth, TX

Septal Class A Penicillin-Binding Protein Activity and LD-Transpeptidases Mediate Selection of Colistin-Resistant Lipooligosaccharide-Deficient *Acinetobacter baumannii*

American Society for Microbiology (ASM) 2021 | Co-author

📍 Arlington, TX

LANGUAGE SKILLS



This resume was made with the R package [pagedown](#).

Last updated on 2024-08-13.