



Yalemzewod Gelaw

Data Analyst/Data Scientist

Summary

I am an experienced data scientist with a passion for using data to provide evidence-base to support policy design and development. Proven ability to identify and analyse data to identify health problems, develop and implement effective interventions, and evaluate the impact of programs. Skilled in using statistical software such as R, Python, ArcGIS, MySQL, PostgreSQL, and SPSS; and visualization tools including MS Excel, Power BI, and QGIS.

Employment History

Geospatial Analyst at Child Health Analytics Team, Telethon Kids Institute, Perth

May 2021 - PRESENT

- Utilized R and developed a geospatial database to store, manage and analyse large datasets.
- Collaborated with colleagues and developed a training manual on spatial analysis in R and QGIS.
- Led the authorship of two manuscripts.
- Employed Bayesian statistics and predicted malaria endemicity map at a sub-national level.
- Secured a seed grant of AUD 15,000 to conduct a research project focused on developing a web-based interactive tool to enhance decision-making for malaria elimination in Vietnam.

Child Health Biostatistician at Population Child Health Research Group, UNSW, Sydney

February 2020 — May 2021

- Utilized R and conducted quantitative analysis on linked administrative data sets to identify factors that are associated with child maltreatment.
- Provided statistical and research design support to the clinicians and researchers, which resulted in the successful submission of three grant applications.
- Developed the study design, determined the sample size, and selected the analytical techniques in grant writing applications.
- Authored and collaborated with research publications.

Epidemiologist at Metro North Public Health Unit, Queensland Health, Brisbane

September 2019 — February 2020

- Offered statistical analysis expertise and input in research studies, projects, programs, and health planning processes.
- Collected data from a routine disease surveillance database, performed analysis, and prepared comprehensive reports based on the findings.
- Conducted monitoring and surveillance during outbreaks by applying best epidemiological practices, including data collection, management, and analysis.

Lecturer at Institute of Public Health, The University of Gondar, Gondar

September 2013 — July 2016

- Taught Biostatistics to medicine and health sciences students.
- Provided research supervision and guidance.
- Led fieldwork and community professional practices.

Details

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Links

[LinkedIn](#)

[Web page](#)

[Github](#)

Skills

Ability to Work in a Team

Communication Skills

Microsoft Excel

SQL

Python

Data Analysis

R (Programming Language)

Statistical Modelling

Power BI

Education

PhD (Biostatistics and Epidemiology), The University of Queensland, Brisbane, Australia

July 2016 — July 2020

Thesis Title: “Towards Sustainable TB Control in Ethiopia—profiling high-risk geographical areas using spatial modelling.”

Master of Public Health in Epidemiology and Biostatistics, The University of Gondar, Gondar, Ethiopia

Thesis Title: “Effect of residence on mothers’ health care seeking behaviour for common childhood illness in Northwest Ethiopia: a community-based comparative cross-sectional study.”

Courses

Power BI Essential Training, LinkedIn

August 2023

MS Excel Chart & Graph, Maven Analytics

July 2023

Thinking Like an Analyst, Maven Analytics

July 2023

Google Data Analytics Specialization, Google

January 2022

The Complete SQL Bootcamp, Udemy

June 2021

Project Portfolio

MS Excel dashboard

July 2023 — July 2023

[Airlines Passenger Satisfaction Rate](#)