Lidio Jaimes Jr

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Education

Johns Hopkins University, Bloomberg School of Public Health — Baltimore, MD
Sc.M. in Biostatistics — *Expected: May 2027*

- Relevant coursework: Analysis of Multilevel & Longitudinal Data, Survival Analysis, Statistics for Genomics, Causal Inference, Statistical Computing, Data Science and AI for Public Health in Python, Data Management

University of Georgia — Athens, GA
B.S. in Statistics — *May 2025*

- Relevant coursework: Sampling and Survey Methods, Time Series Analysis, SQL for Business Analytics

Work Experience

Johns Hopkins Medicine — Baltimore, MD
Data Management Assistant — *March 2026 – Present*
PI: Dr. Kristin Riekert

- Automate recurring operational and research reports across three ongoing cystic fibrosis studies by building and maintaining R pipelines that integrate REDCap APIs
- Resolve data integrity issues in longitudinal PHI datasets through quality control and root-cause investigation, ensuring accurate study metrics
- Produce recruitment, retention, and DSMB reports and visualizations for investigators and study teams, translating study data into reproducible metrics for ongoing monitoring and oversight

Johns Hopkins Bloomberg School of Public Health — Baltimore, MD
Graduate Research Assistant, Biostatistics & Epidemiology — *June 2026 – Present*
PIs: Dr. Karen Bandeen-Roche, Dr. Pablo Martinez Amezcua

- Analyze longitudinal data from 14 rounds of the National Health and Aging Trends Study (NHATS) to evaluate associations between baseline acculturation and cognitive trajectories among older adults
- Develop methods incorporating complex survey weights to address attrition and mortality in longitudinal NHATS data, assessing potential bias from informative dropout

University of Georgia — Athens, GA
Biostatistics Research Assistant — *October 2024 – May 2025*
PIs: Dr. Lynne Seymour, Dr. Deborah Barany

- Built regression and machine learning models on 550 electronic health records to identify predictors of stroke severity using hospital length of stay and discharge destination as proxies
- Cleaned, validated, and analyzed clinical data in R through exploratory analysis, visualization, and quality control to produce an analysis-ready research dataset
- Presented statistical reports and visualizations biweekly to a cross-functional biomedical research team, supporting interpretation of findings and patient recruitment

University of California, Irvine — Irvine, CA
Biostatistics Research Assistant — *June 2024 – August 2024*
PIs: Dr. Daniel Gillen, Dr. David Sultzer

- Analyzed neuropsychiatric symptoms across 1,274 Down syndrome Alzheimer's visits and 183,097 late-life Alzheimer's visits, identifying longitudinal patterns across cognitive strata
- Applied multiple linear regression and longitudinal models in R to quantify associations between cognitive status and neuropsychiatric symptom trajectories
- Translated mathematical models into reproducible code and performed code verification and visualization, contributing to a peer-reviewed paper in *Alzheimer's & Dementia* (2025)

Columbia University, Mailman School of Public Health — New York, NY
Biostatistics Research Assistant — *June 2023 – July 2023*
PI: Dr. Shikun Wang

- Analyzed medical cost trajectories for 62,636 lung cancer patients and 1,478,977 Medicare charges in R using nonparametric testing and survival analysis to identify disparities in healthcare expenditures
- Presented statistical findings at a research symposium, communicating disparities in longitudinal medical costs to a multidisciplinary audience

Publications

Magana-Ramirez, C. M., Gillen, D. L., Hom, C. L., **Jaimes, L., Jr**, Chilukuri, S. S., McMahon, N., Lin, C., Kuhlman, R., Hu, T., Head, E., Lott, I. T., & Sultzer, D. L. (2025). Neuropsychiatric symptoms and emerging dementia in people with Down syndrome and older adults. *Alzheimer's & Dementia, 21*(11), e70871. https://doi.org/10.1002/alz.70871

Presentations

Predictors of stroke severity from electronic health records 2025
Poster and oral presentation, University of Georgia Poster · Slides

Neuropsychiatric symptoms in Alzheimer's disease associated with Down syndrome 2024
Poster and oral presentation, ISI-BUDS program, University of California, Irvine Poster · Slides

Disparities in medical cost trajectories among lung cancer patients 2023
Poster, BEST program research symposium, Columbia University Poster

Teaching

Johns Hopkins Bloomberg School of Public Health Baltimore, MD
Student Teaching Assistant, Department of Biostatistics *August 2026 – May 2027*

- 140.776 Statistical Computing
- 140.777 Statistical Programming Paradigms and Workflows
- 140.615 Statistics for Laboratory Scientists I
- 140.616 Statistics for Laboratory Scientists II

Projects

Executive Economics | *R: tidyverse, Shiny, Quarto dashboard; group project at JHU* Fall 2025

- Scraped and merged presidential approval, labor metrics, and market indicators from web/API sources
- Built time-series visualizations to analyze approval and economic trends across administrations
- Developed an interactive dashboard showcasing historical patterns and predictive modeling

Workshops & Training

Fostering Excellence in Biostatistics Workshop Indianapolis, IN
ENAR Spring Meeting, Eastern North American Region of the International Biometric Society *March 2026*

Fostering Diversity in Biostatistics Workshop New Orleans, LA
ENAR Spring Meeting, Eastern North American Region of the International Biometric Society *March 2025*

13th Annual Mathematical Modeling and Public Health Workshop Boston, MA
Center for Communicable Disease Dynamics, Harvard T.H. Chan School of Public Health *March 2025*

Certifications

Human Subjects Research – Biomedical Researchers Valid through March 2029
CITI Program *March 2026*

Information Privacy Security (IPS)
CITI Program *March 2026*

Skills

Methods: GLMs, Mixed-Effects Models, GEE, Survival Analysis (Cox Regression, Competing Risks), Nonparametric Methods, Multiple Imputation, Complex Survey Analysis, Causal Inference, Time Series Analysis, Machine Learning
Data Management: REDCap & REDCap API, Clinical & Longitudinal Data, Data Quality Control, Root-Cause Investigation, Reproducible Reporting (DSMB, Recruitment & Retention), Web Scraping & API Data Collection
Programming: R (tidyverse, tidymodels, ggplot2, Shiny), SAS, Python (pandas, scikit-learn, PyTorch, Streamlit), SQL, Bash/Unix
Software: Qualtrics, MS Excel, Tableau, Quarto, R Markdown, Git & GitHub, LaTeX
Languages: English (native), Spanish (native)

Other Experience

Jaimes Flooring Smyrna, GA

Administrative Assistant *May 2016 – Present*

- Consult with clients in Spanish and English, preparing estimates, quotes, and invoices to ensure accurate and timely billing
- Coordinate jobs and manage accounts, liaising with vendors and clients to streamline operations and facilitate prompt payments