RICHARD ADJEI-BOATENG, Ph.D.
1380 Lawrence St., Suite 470, Denver, Co. 80204
720-655-0085. radjeiboateng@gmail.com

SUMMARY

PhD-trained Health Economist and outcome researcher with 8+ years of progressive experience in data analytics, statistical programming, and research leadership across academic, health, and policy environments. Expert in R, Python, SAS, SQL, and advanced econometric modeling using large-scale administrative, claims and survey datasets (SPARCS, PSID, Medicaid/ACA data).

Demonstrated ability to lead multidisciplinary projects, manage complex data pipelines, and deliver actionable insights that support business planning, operational decisions, and organizational strategy. Strong communicator with experience negotiating project scopes, coordinating with stakeholders, and presenting to diverse audiences. Seeking an analytical leadership role where advanced data science and strategic decision-making intersect.

RELATED EXPERIENCE

Centers for American Indian and Alaska Native Health (CAIANH), Aurora, CO (CU Anschutz).

Statistical Programmer and Reporting – Using SAS 9.4, R and Stata   *October 2022 – May 2023*

- Analyzed and interpreted enrollment, revenue, and claims data (utilization and unit cost) to identify medical cost drivers, optimize financial strategies, and support data-driven decision-making using Large Medicare data.
- Partnered with Finance and Management teams to develop KPI's and benchmarks for tracking medical cost trends, ROI of cost containment initiatives, and forecasting financial outcomes that led to about 5% effectiveness in cost containment and publications within 6 months of implementation.
- Prepared and developed presentations on medical costs and key performance indicators, delivering actionable insights to improve profitability (3% increase over 6 months) and meet financial targets.
- Collaborated with Analytics and IT teams to validate data, enhance medical cost reporting tools, and support enterprise planning processes through deep understanding of cost structures and market dynamics.

OTHER RELATED EXPERIENCE

Economics Department, University of Colorado Denver, CO.

Researcher   *August 2020 – Present*

- Developed analytical skills used to analyze Medicare data including ICD-10, CPT/HCPCS, Revenue Codes, MS/APR-DRGs, and APCs in both payer and provider settings using R and Python.
- Developed impactful presentations and medical data visualizations using R..
- Synthesized insights from health insurance data including claims, utilization, and socioeconomic data to identify market trends, prioritize opportunities, support financial decisions, and guide research design strategy.
- Effectively used spoken and written English to produce professional documentation and peer-reviewed publications.

Department of Mathematics, Western Kentucky University, KY.

Research Assistant and Teaching Assistant   *August 2018 – July 2020*

- Implemented data management systems including merging, cleaning, querying, scraping and quality checks of complex and unstructured data from different platforms.
- Performed in high-paced, team-oriented problem resolution with minimal supervision, managing multiple deadlines and cross-functional projects simultaneously which saved weeks of additional time.
- Wrote three manuscripts for publication using Latex and Word.
- Tutored and organized calculus recitation sessions for undergraduates in WKU (Independent recitation sessions).
- Supervised tests and proctored examinations for college students in WKU.
- Developed communication and organizational skills to effectively work with students to explain mathematical concepts, assignments, and projects.

AIMS Community College, CO.

Adjunct Professor, Economics   *August 2024-present*

- Principles of Macroeconomics (98% students success rate).

- Principles of Microeconomics (96% students success rate).

Teacher/Ideal College, Ghana

Teacher   *August 2016 – May 2018*

- High School Economics.
- High School Government.
- High School Mathematics.
- Supervised tests and proctored examinations for over 400 high school students in two years.

EDUCATION

University of Colorado Denver.
  Doctor of Philosophy (Ph.D.), Applied Economics (Health), December 2025
Western Kentucky University, Bowling Green**.**
  Master of Science (MS), Mathematics, 2020
University of Cape Coast, Cape Coast, Ghana**.**
  Bachelor of Arts (BA), Economics & Mathematics, Double Major, 2016

RESEARCH ACTIVITIES

1. Yang, M., Abdulsalam, **R., Adjei-Boateng**, R., Li, L., Manson, S., O'Connell, J., & Jiang, L. (2025, January). Associations between Social Determinants of Health and Alzheimer's Disease and Related Dementia among American Indian and Alaska Native and White Medicare Beneficiaries. DOI: **https://doi.org/10.1002/alz.092107**
2. Causal effects of Medicaid Expansion on job security (Completed and preparing for publication).
3. Causal effects of education on health and labor outcomes in Ghana (Work in progress).
4. Causal effects of Medicaid expansion on hospital costs (Completed and preparing for publication).
5. Interdependence of Foreign Exchange Rate Markets-A Mixed Copula Approach (Submitted). PowerPoint Presentation
6. Effects of the Affordable Care Act (ACA) on ambulance response times in Colorado (submitted).
7. A bibliometric analysis of research status on Copula from 2000 to 2019 (Completed).

CERTIFICATIONS

- SAS Certified Specialist Base Programming using SAS 9.4, Verification (July 2021): SAS Certified Specialist: Base Programming Using... - Credly
- CERT. Economic Data Analytics, Western Kentucky University, Bowling Green, KY, USA (July 2020).

AWARDS

- Dept. of Economics Zinke tuition Scholarship Award – University of Colorado Denver – (2020-2025).
- Overall best graduating student-Ghana – Western Kentucky University – (2020).
- Dept. of Mathematics Student Assistantship – Western Kentucky University – (2018-2020).