

# CORNELIUS BENLE

## CONTACT INFORMATION

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**URL:** <https://cbenle.github.io/>

## EDUCATION

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- **Ph.D. in Statistics and Data Science** 2024 – Present<sup>1</sup>  
University of Nevada-Reno, Reno, NV
- **BSc. (Hons) Actuarial Science** 2019 – 2023  
Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

## RESEARCH INTERESTS

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Stochastic Finance, Financial Econometrics, Probability theory, Data Science.

## WORK EXPERIENCE

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- **Graduate Assistant, Department of Mathematics and Statistics, UNR** Aug 2024 – Present
  - Facilitate discussion sessions that focus on improving comprehension of core and advanced concepts for undergraduate students enrolled in Calculus.
  - Proctored and graded quizzes and assignments of students offering constructive feedback to improve overall understanding.
- **Graduate Teaching Assistant, Department of Statistics and Actuarial Science, KNUST** Nov 2023 – June 2024
  - Organized tutorials to provide further explanation of concepts to over 30 students enrolled in Financial Mathematics and Probability resulting in an 85% exam pass rate.
  - Assisted student researchers and faculty with statistical analysis of data and interpretation using R statistical software and Python.
- **Actuarial Intern, Donewell Life Co. Ltd, Tema Ghana** Sept 2022 – Dec 2022
  - Compiled and analyzed detailed reports on insurance sales performance, identifying product trends, agent effectiveness, and regional patterns; supported underwriting and marketing teams with insights to inform product strategy and improve distribution outcomes.
  - Scheduled and managed clients' monthly premium contributions, ensuring timely payments and maintaining accurate records to support policy administration and customer service efficiency.
  - Led a research team into life insurance product reviews offered in the market and drafted a proposal to review product summaries for improved clarity and competitiveness.

## PUBLICATIONS

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### Peer-reviewed Journal Articles

1. Blekor, K. S., Asare C., Bissi Sedinam, Mawuhorm G, Cornelius Benle, & Gyamerah, S. A. (2024). Global uncertainties and stock returns under heterogeneous market conditions: Evidence from wavelet coherence analysis. *Scientific African*, volume(issue), pages. doi: 10.1016/j.sciaf.2024.e02365

## COMPUTING SKILLS

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**Statistical Software:** R, SAS, Python, SPSS, Tableau

**Programming Languages:** Python, SQL

**Reproducible Research/Publishing:** L<sup>A</sup>T<sub>E</sub>X, R Markdown, Git, Microsoft Office Suite

## CONFERENCES & PRESENTATIONS

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- **Nevada INBRE Data Science Conference 2025** **February 18-20, 2025**  
University of Nevada, Reno, NV, USA  
Participated in interactive workshops (including AI/ML topics), and cross-disciplinary collaboration with researchers, students, and industry professionals.
- **International Association of Black Actuaries (IABA) Annual Meeting 2025** **July 31 – August 2, 2025**  
Washington, DC, USA  
Attended conference focused on professional development and networking opportunities at the intersection of education and celebration.

## ACTUARIAL EXAMS & CERTIFICATIONS

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### Society of Actuaries (SOA) Exams

- **Exam FM: Financial Mathematics** **Passed: June 2023**
- **Exam P: Probability** **Scheduled: March 2026**

## EXTRACURRICULAR ACTIVITIES

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- **Graduate Student Representative, UNR** **September 2025 – Present**
  - Represent graduate students at Graduate Board meetings; advocate on academic and administrative matters.
  - Channel student feedback to the board and communicate decisions and policy updates to the graduate community.
- **Member, Clubs and Organization Committee, UNR** **September 2025 – Present**
  - Oversee recognition, constitutions, and governance of graduate clubs and organizations from formation to compliance and ongoing management.
  - Support leadership transitions, funding processes, and training for clubs and organization officers.

## PROFESSIONAL MEMBERSHIPS

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- **International Association of Black Actuaries (IABA)** **2025 – Present**
- **American Statistical Association (ASA), Nevada Chapter** **2025 – Present**

<sup>1</sup>Last updated on December 16, 2025