

CURRICULUM VITAE

RICHARD ADJEI-BOATENG

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UNIVERSITY EDUCATION

- M.S Mathematics (Mathematical Economics), Western Kentucky University, August 2018-present.
- BA (Economics and Mathematics), University of Cape Coast, August 2012-May 2016.

RESEARCH EXPERIENCE

Department of Mathematics, Western Kentucky University

- Working with Dr. Lukun Zheng on my graduate research thesis: “*Measuring the dependence structure of major exchange rates using mixed copula approach*”.
- Co-authored a scientific research paper with Dr. Lukun Zheng, titled: “*A bibliometric analysis of copula research from 2000 to 2019*”. (submitted).
 - i. Retrieval of part of data
 - ii. Performed data analysis
 - iii. Wrote the Methodology
 - iv. Wrote the results and discussions
 - v. Made the tables and figures

Department of Economics, University of Cape Coast

- Worked with Dr. Benedict Afful Jr. on my undergraduate research thesis, titled: “*The relationship between sports participation and academic performance. A case study in the University of Cape Coast*”.

TEACHING EXPERIENCE

Department of Mathematics, Western Kentucky University

- **Teaching assistant** to Dr. Munasinghe Samangi, my responsibilities are to conduct calculus 1 recitation sessions for undergraduates. August 2019- present and January 2019-June 2019.
- **Teaching assistant** to Dr. Dominic Lanphier, my responsibilities are to conduct calculus 1 recitation sessions for undergraduates. August 2019-present.
- **Teaching assistant** to Dr. Mikael Khenner, my responsibilities were to conduct calculus 1 recitation sessions for undergraduates. August 2018-December 2018.

- **Teaching assistant** to Dr. Richard Schugart, my responsibilities were to conduct calculus 1 recitation sessions for undergraduates. August 2018-December 2018.
- **Tutor** at the Western Kentucky University mathematics department laboratory. My main responsibilities were to teach mathematics at the Math Tutoring Center (MTC).

Ideal College(High School) ,Teacher.

(September 2016- April 2018)

- i. Taught Core Mathenatics
- ii. Taught Elective Mathematics
- iii. Taught Economics

PROFESSIONAL and ACADEMIC EXPERIENCE

- Volunteer at the Cape Coast regional sports council, May 2016 - September 2016.
 - i. Writing professional proposals
 - ii. Validating the identity and subsequent distribution of media tags to recognized media staff.
- Library committee member, University of Cape Coast, 2014-2015.
 - i. Focused group discussion

SKILLS & CERTIFICATIONS

- Graduate Assistant Teaching Instructor Certificate(GATI). (WKU)
- Complete SAS certificate on Udemy (11.5 hours)
- Coursera Data Scientist Toolbox in R. (John Hopkins University Online)
- Ability to use various statistical test and software for a wide range of analysis and modeling. R, STATA, Python, Mathematica(Plus two weeks intensive training with certificate at the University of Cape Coast).
- Taking one more course to complete a Master certificate in Economic Data Analytics in WKU.

HONORS & AWARDS

- **Graduate Teaching Assistant** Position(Western Kentucky University). 2019-present.
- **Graduate Teaching Assistant** Position(Western Kentucky University). 2018-2019.

EXTRACURRICULAR ACTIVITIES

- Member, American Mathematical Society (AMS), WKU, 2018-present.
- Correspondence Liaison for AMS, WKU chapter, 2019-present.

- Active Member, WKU Soccer Club, 2018-present.

RELEVANT COURSE WORK

ECONOMICS

Applied Macro
Economic theory
(ECON 503)

Applied Micro
Economic
theory(ECON 502)

Regression and
Econometric
Analysis(ECON
465G)

Forecasting(ECON
594)

Advanced
Economics I and
II(ECO 421& ECO
422)(micro/macro)

Intermediate
Economics(ECO
301& ECO 302)I
and II(macro/micro)

Economic Growth
and
Development(ECO
404)

History of Economic
Thought(ECO 402)

Mathematics for
Economist(ECO 203
& ECO 204)

MATHEMATICS

Advance Discrete
Mathematics
(MATH 542)

Complex analysis
(MAT 404)

Ordinary
Differential
Equations(MAT
405)

Modern Algebra I
and II(MAT 304 &
MAT 403)

Advance Calculus I
and II(MAT 301 &
302)

Introductory
Analysis(MAT 303)

Further
Calculus(MAT 203)

Intro to Abstract
Algebra(MAT 201)

Analytic Geometry
and Calculus(MAT
102)

STATISTICS

Statistical Methods
I(STAT 549)

Probability and
statistics(MATH
482G)

Time series
analysis(STA 406)

Statistical Methods I
(STA 303)

Basic Statistics(SSR
201)

Introduction to
probability and
statistics(MAT 204)

RESEARCH

Thesis Research
and
writing(MATH
599)

Social Science
Research
methods(SSR
202)

Project
Work(ECO 499)
