

Oluremi Abayomi

Curriculum Vitae

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Research Interests

Statistical Modeling, Data Mining and Predictive Analytics

Education

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|------|---|----------------------------------|
| 2020 | Central Michigan University
Statistics and Analytics, PhD | Mount Pleasant, Michigan. |
| 2017 | Central Michigan University
Mathematics, MA | Mount Pleasant, Michigan. |
| 2010 | University of Lagos
Mathematics and Statistics, BS | Lagos State, Nigeria. |
| 2006 | The Federal Polytechnic, Ede
Statistics, National Diploma (Associate) | Osun State, Nigeria. |

Professional Experience

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| 08/2019–Present | Assistant Professor/Program Lead, Northwood University, Midland, MI. <ul style="list-style-type: none">○ Create course materials and teach assigned mathematics, statistics, and predictive analytics classes.○ Design career-relevant academic curriculum for majors in business analytics. |
| 08/2012–05/2019 | Instructor of Record/Tutoring Assistant, Central Michigan University, Mount Pleasant, MI. <ul style="list-style-type: none">○ Created course materials and taught assigned mathematics and statistics classes.○ Tutored a diverse student body at the Mathematics Assistance Center and taking online courses. |
| 08/2018–Present | Adjunct Faculty, Delta College, University Center, MI. <ul style="list-style-type: none">○ Created course materials and taught assigned mathematics classes. |
| 08/2018–05/2019 | Adjunct Faculty (Adult Degree Program), Northwood University, Midland, MI. <ul style="list-style-type: none">○ Taught assigned mathematics classes (face to face and online). |
| 08/2018–Present | Adjunct Faculty, Mid Michigan College, Mount Pleasant and Harrison, MI. <ul style="list-style-type: none">○ Created course materials and taught assigned mathematics classes.○ Tutored a diverse student body in statistics at the Mathematics Laboratory. |
| Spring 2017 | Teaching Internship II, Central Michigan University, Mount Pleasant, MI. <ul style="list-style-type: none">○ Created course materials and taught MTH 223: Linear Algebra and Matrix Theory.-Internship Supervisor: Ben Salisbury. |
| Fall 2016 | Teaching Internship I, Central Michigan University, Mount Pleasant, MI. <ul style="list-style-type: none">○ Taught STA 282QR: Introduction to Statistics (Quantitative Reasoning).-Internship Supervisor: kahadawala Cooray. |
| 01/2008–08/2012 | GRE/SAT Instructor, Whiterock Educational Services, Lagos, Nigeria. <ul style="list-style-type: none">○ Led instruction and assessed understanding in mathematics topics for GRE and SAT preparation. |
| 01/2008–08/2012 | Business Owner and Private Tutor, MathRescue Tutors, Lagos, Nigeria. <ul style="list-style-type: none">○ Conducted one-on-one tutoring sessions at student's residence. |
| 08/1998–12/2004 | Para-professional Educator, Saint Anthony's International School, Lagos, Nigeria. <ul style="list-style-type: none">○ Provided needed instructional assistance in general daily classroom work. |

Courses Taught – At Northwood University

Fall 2020 MTH 650: *Introduction to Data Analytics – DeVos Graduate School(Online)*
Fall 2020 MTH 4200: *Predictive Analytics – One section*
Fall 2020 MTH 4100: *Data Mining for Business Decisions – One section*
Fall 2020 MTH 2310: *Statistics I – Two sections(Online and Face to Face)*
Summer 2020 MTH 3340: *Statistics II – One section(Online)*
Summer 2020 MTH 2310: *Statistics I – Two sections(Online)*
Spring 2020 MTH 4100: *Data Mining for Business Decisions – One section(Hybrid)*
Spring 2020 MTH 2310: *Statistics I – Two sections(Hybrid)*
Spring 2020 MTH 1150: *College Algebra – One section(Hybrid)*
Fall 2019 MTH 4200: *Predictive Analytics – One section*
Fall 2019 MTH 2310: *Statistics I – Two sections*
Fall 2019 MTH 1150: *College Algebra – One section*
Spring 2019 MTH 1150: *College Algebra – One section(Adult Degree Program-Online)*
Fall 2018 MTH 1150: *College Algebra – One section(Adult Degree Program-Face to Face)*

Courses Taught – At Delta College

Fall 2019 MTH 119AW: *Intermediate Algebra(Extended Hours) – Two sections*
Summer 2019 MTH 208: *Elementary Statistics – Two sections*
Spring 2019 MTH 119AW: *Intermediate Algebra(Extended Hours) – One section*
Fall 2018 MTH 118AW: *Mathematical Explorations(Extended Hours) – One section*

Courses Taught – At Central Michigan University

Spring 2019 MTH 105: *Intermediate Algebra – One section*
Fall 2018 STA 282QR: *Introduction to Statistics(Quantitative Reasoning) – Two sections*
Spring 2018 MTH 217: *Business Calculus – One section*
Spring 2017 MTH 223: *Linear Algebra and Matrix Theory – One section*
Fall 2016 STA 282QR: *Introduction to Statistics(Quantitative Reasoning) – One section*
Fall 2014 MTH 217: *Business Calculus – Four sections*
– Spring 2016
Fall 2013 MTH 107: *College Algebra – Three sections*
–Spring 2014
Fall 2012 MTH 105: *Intermediate Algebra – Two sections*

Courses Taught – At Mid Michigan College

Spring 2019 MAT 104: *Basic Algebra*, MAT 105: *Intermediate Algebra*, MAT 107: *College Algebra*
Fall 2018 MAT 107: *College Algebra*, MAT 114: *Mathematical Reasoning*

Projects

- March 2020 **PhD Dissertation**, CENTRAL MICHIGAN UNIVERSITY, Mount Pleasant, MI.
◦ Framework for Generating Statistical Models with an Application.
- December 2010 **Undergraduate Final Year Project**, UNIVERSITY OF LAGOS, Lagos, Nigeria.
◦ Interdependence Within and Between some Discrete and Continuous Probability Distributions
In the course of executing this project, I was able to highlight the relationships between selected probability distributions as models of real life situations which themselves, exhibit interdependence.

Publication

- Fall 2015-2016 **Graduate Class Project**, CENTRAL MICHIGAN UNIVERSITY, Mount Pleasant, MI.
◦ Conference Paper: En-Bing Lin; Oluremi Abayomi; Keshab Dahal; Patrick Davis; Nonhle Channon Mdziniso(2016).Artifact removal for physiological signals via wavelets Proceedings Volume 10033, Eighth International Conference on Digital Image Processing (ICDIP 2016); 1003355 (2016); doi: 10.1117/12.2244906

Conferences Attended

- 2019 ICOSDA 2019: International Conference on Statistical Distributions and Applications.
2016 ICOSDA 2016: International Conference on Statistical Distributions and Applications.
2013 ICOSDA 2013: International Conference on Statistical Distributions and Applications.

Honor and Award, Central Michigan University

- \$100 Award for Outstanding Teaching Assistant beyond Second Year (2016/2017).
- Outstanding Tutoring Award 2014.

Achievement, The Center for Excellence in Teaching and Learning

- Certificate of Achievement for Consistent Commitment to Teaching Excellence and the Successful Completion of Central Michigan University's Graduate Teaching Assistant Certificate Program.

Talks

- Fall 2017 **Graduate Student Seminar**, CENTRAL MICHIGAN UNIVERSITY, Mount Pleasant, MI.
◦ Topic: A mesmerizing interplay: Algebra and Statistics.

Certification

- Spring 2020 **Graduate Certificate**, CENTRAL MICHIGAN UNIVERSITY, Mount Pleasant, MI.
◦ I completed all relevant course work to earn a Graduate Certificate in Actuarial Science.

Professional Membership

- American Statistical Association.
- American Mathematical Society.

Service

- Assistant Professor**, NORTHWOOD UNIVERSITY, Midland, MI.
- Currently serving as the Program and Curriculum Lead in designing career-relevant academic curriculum for students planning on a data analytics major.
 - Served as a Subject Matter Expert on interviews for recruiting incoming professors who teach Statistics, Analytics and Computing classes.

Computer skills

Statistical Languages and Packages: SAS, R, Minitab.

Learning Management Systems: Blackboard, Moodle, BrightSpace(D2L), CANVAS

Applications: \LaTeX , MS Word, MS Excel, MS PowerPoint, MS Access.

Operating systems: Windows

Languages

English

Excellent command

Yoruba

Native Speaker