

Olawale F. Ayilara

CONTACT ADDRESS

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EDUCATION

In Progress

Expected

Speciality

Institution

Doctor of Philosophy

Summer 2021

Biostatistics

University of Manitoba, Winnipeg, Canada

Degree

Completed

Speciality

Institution

Master of Science

September 2016

Statistics

University of Manitoba, Winnipeg, Canada

Degree

Completed

Speciality

Institution

Bachelor of Science (*First Class Division*)

August 2012

Mathematics & Statistics

University of Lagos, Lagos, Nigeria

RESEARCH INTERESTS

Statistical methods for handling missing data problems in patient-reported outcomes
Longitudinal data analysis and Multi-level modeling
Data visualization

AWARDS

2018/2019	Visual & Automated Disease Analytics (VADA) Training Program Award, UofM \$19,000
2018/2019	International Graduate Student Scholarship (IGSS), UofM \$5,500
2018	Statistical Society of Canada (SSC) Biostatistics Section Travel Award \$250
2018	International Conference on Health Policy Statistics (ICHPS) Travel Award \$1,300
2017/2018	VADA Training Program Award, UofM \$19,000
2017	Outstanding Research by a Graduate Student in Statistics, UofM \$3,000
2017/2018	International Graduate Student Scholarship (IGSS), UofM \$5,500
2016	Faculty of Graduate Studies Travel Award, UofM \$750
2014 – 2016	Faculty of Science Graduate Studentship Scholarship, UofM \$20,000
2014/2015	International Graduate Student Entrance Scholarship (IGSES), UofM \$4,000
2012	Best Graduating Student, Dept. of Mathematics, University of Lagos <i>NGN</i> 50,000
2009 – 2012	University of Lagos Endowment Scholarship Award <i>NGN</i> 150,000
2009 – 2012	MTN Foundation Scholarship Award <i>NGN</i> 400,000

EXPERIENCE

A. TEACHING EXPERIENCE

Teaching Assistant

Winter 2016	Basic Statistical Analysis I (STAT 1000)
Fall 2015	Basic Statistical Analysis II (STAT 2000)
2014/2015	Basic Statistical Analysis II (STAT 2000)

Short Courses and Trainings

2017	Statistical Methods for Health Science Research Workshop, Max Rady College of Medicine, University of Manitoba, Wpg., MB. Duration: 2 sessions with 3 contact hours per session Participants: 20 Role: Instructor
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B. RESEARCH EXPERIENCE

Aug. 2018 – Sept. 2018	Summer Intern, Dept. of Computer Science, UofM Worked with Dr. Pourang Irani on visualization techniques suitable for data exploration and variable selection in a high-dimensional data.
July 2018 – Aug. 2018	Summer Intern, Dept. of Epidemiology, Biostatistics and Occupational Health, McGill University

Worked with Dr. Robert Platt in developing training modules for cohort selection in drug safety and effectiveness research using the Data Entrepreneurs Synthetic Public Use files (DE-SynPUF).

Aug. 2017 – Research Assistant, Dept. of Community Health Science, UofM
Working with Dr. Lisa Lix in developing and testing missing data models for clinical registry data.

Sept. 2015 – Aug. 2017 Research Consultant, Statistical Advisory Services, UofM
Provided assistance to faculty members and graduate students study design and appropriate statistical methods for analyzes.

PUBLICATIONS

1. Zhang, L., Lix, L.M., **Ayilara, O.F.**, Bohm, E. and Sawatzky, R. (2018). The Effect of Multimorbidity on Change in Health-related Quality of Life for Hip and Knee Arthroplasty. *Bone and Joint Journal*, Accepted.
2. Jafari Jozani, M., **Ayilara, O.F.** and Leslie, W.D. (2018). Quantile Regression with Nominated Samples: An Application to a Bone Mineral Density Study. *Statistics in Medicine*, 37(18), 2267–2283.
3. **Ayilara, O.F.** and Mogbademu, A. (2013). A Note on New Iteration Method for Solving Nonlinear Equations. *Indian Journal of Computational and Applied Mathematics*, 1(1), 165–170.

PRESENTATIONS

A. Invited Sessions

* *Presenter*

1. **Ayilara, O.F.***, Lix, L.M., Zhang, L., Sajobi, T.T., Sawatzky, R. and Bohm, E. Investigating the Impact of Missing Data Mechanism in Patient Reported Outcome Measures: A Clinical Registry Perspective. *12th International Conference on Health Policy Statistics, Charleston, South Carolina, Jan. 2018.*
2. Jafari Jozani, M., **Ayilara, O.F.*** and Leslie, W.D. Quantile Regression with Nominated Samples: An Application to a Bone Mineral Density Study. *Joint Statistical Meeting, Maryland, USA, July 2017.*

B. Contributed Sessions

1. Jafari Jozani, M., **Ayilara, O.F.*** and Leslie, W.D. Quantile Regression with Nominated Samples: An Application to a Bone Mineral Density Study. *Statistical Society of Canada, Winnipeg, MB, June 11 – June 14, 2017.*

2. Lix, L.M.*, Zhang, L., **Ayilara, O.F.**, Sajobi, T.T., Sawatzky, R. and Bohm, E. Treatment of Missing Data in Clinical Registries: A Comparison of Approaches for Estimating Change in Patient-Reported Outcomes. *Presented at the International Society for Quality of Life Research, Philadelphia, USA, 2017.*
3. Zhang, L., **Ayilara, O.F.**, Bohm, E., Sawatzky, R. and Lix, L.M.* The Effect of Multimorbidity on Change in Health-related Quality of Life for Hip and Knee Replacement Surgeries. *Presented at the International Society for Quality of Life Research, Copenhagen, Denmark, 2016.*

C. Poster Sessions

1. **Ayilara, O.F.***, Lix, L.M., Zhang, L., Sajobi, T.T., Sawatzky, R. and Bohm, E. Impact of Missing Data and Auxiliary Information on the Bias and Precision of Patient Reported Outcomes in Clinical Registries. *Statistical Society of Canada Student Conference, Montreal, QC, June 2, 2018.*
2. **Ayilara, O.F.**, Jiang, X., Fakanye, O., and Kpekpena, C. Does survey design information matters? *Case Study Competition at the Statistical Society of Canada, Montreal, QC, June 3 – June 6, 2018.*
3. Zhang, L., Lix, L.M., **Ayilara, O.F.**, Sawatzky, R., and Bohm, E.* The Effect of Multimorbidity on Change in Health-related Quality of Life Following Hip and Knee Arthroplasty. *To Presented at the International Society of Arthroplasty Registries Meeting, Victoria, Canada, June 20 – 23, 2018.*
4. **Ayilara, O.F.***, Lix, L.M., Zhang, L., Sajobi, T.T., Sawatzky, R. and Bohm, E. Impact of Missing Data and Auxiliary Information on the Bias and Precision of Patient Reported Outcomes in Clinical Registries. *Complex Data in Health Research Workshop, University of Manitoba, Winnipeg, February 1, 2018.*
5. **Ayilara, O.F.*** and Jafari Jozani, M. Quantile Regression with Rank Based Samples. *Canadian Society for Epidemiology and Biostatistics, Winnipeg, MB, June 8 – 10, 2016.*
6. **Ayilara, O.F.**, Balamchi, S., Hoque, E., and Atakora, F. Can Google Flu Trends Predict the Frequency and Results of Tests for influenza and Other Respiratory Illnesses? *Case Study Competition at the Statistical Society of Canada, St. Catherines, ON, May 29 – June 1, 2016.*

OTHER CONTRIBUTIONS

PROFESSIONAL ASSOCIATIONS

- 2016 – Statistical Society of Canada
 2017 – American Statistical Association

VOLUNTEER SERVICE

- July 2018 - Biostatistics Section, Statistical Society of Canada
 Role: Graduate Student Representative
 April 2018 Winnipeg School Division Science Fair (WSSF)
 Role: Exhibition Judge

June 2017 Statistical Society of Canada, Winnipeg, Manitoba
Role: Registration and local arrangement volunteer