

## Professional Links

1. **ORCID:** <https://orcid.org/0000-0002-9332-6020>
  2. **LinkedIn:** <http://linkedin.com/in/patrick-osatohanmwon-phd-7336a6139>
  3. **ResearchGate:** <https://www.researchgate.net/profile/Patrick-Osatohanmwon/research>
- 

## Education

1. Ph.D. in Industrial Mathematics: University of Benin, Benin City, Nigeria
  2. M.Sc. in Industrial Mathematics: University of Benin, Benin City, Nigeria
  3. B.Sc. in Mathematics & Economics: University of Benin, Benin City, Nigeria
- 

## Academic & Research Appointments

### 1. Doctoral Candidate in Economics (Methods and Models for Economic Decisions)

Department of Economics, University of Insubria, Varese, Italy  
November 2025 – date

### 2. Adjunct Faculty Member

School of Science & Technology, Pan-Atlantic University, Lagos, Nigeria  
September 2023 – date

### 3. Researcher

Faculty of Economics & Management, Free University of Bolzano, Bolzano, Italy  
January 2024 – June 2025

### 4. Research Fellow

United Nations Economic Commission for Africa, Addis Ababa, Ethiopia  
August 2023 – February 2024

### 5. Full-time Faculty Member

School of Science & Technology, Pan-Atlantic University, Lagos, Nigeria  
October 2021 – July 2023

### 6. Assistant Lecturer

Department of Statistics, University of Benin, Benin City, Nigeria  
March 2018 – September 2021

---

## Professional Appointments

1. **Member of the Editorial Review Committee:** Journal of the Chartered Institute of Statisticians of Nigeria (JCISON)  
April 2026

2. **Statistics Consultant:** Edo State Regional Development Plan and the Benin City Masterplan handled by SIRAJ Nigeria Limited  
June 2021 – February 2022

3. **Resource Person:** Nigerian Statistical Association (NSA) (now Chartered Institute of Statisticians of Nigeria (CISON)). National Post Graduate Workshop on Probability Distribution Theory  
May 2019 & May 2021

4. **Resource Person:** Central Bank of Nigeria, Owerri branch workshop on Survey Methods and Econometric Research  
September 2019

## Teaching Experience

### 1. School of Science & Technology, Pan-Atlantic University, Lagos, Nigeria [Undergraduate & Graduate]

**Courses:** Statistical Methods, Foundational Mathematics for Data Science, Advanced Mathematics for Data Science, Linear Algebra, Mathematical Methods, Introductory Statistics, Vector, Geometry and Dynamics  
2021 – date

### 2. Faculty of Economics & Management, Free University of Bolzano, Bolzano, Italy [Undergraduate & Graduate]

**Courses:** Mathematics for Economics, Politics & Ethics, Applied Statistics for Accounting & Finance, and Mathematics for Economists  
2024 – date

---

# Curriculum Vitae for Patrick Osatohanmwon

---

## 3. Department of Statistics, University of Benin, Benin City, Nigeria [Undergraduate]

**Courses:** Introductory Statistics, Sampling Theory and Quality Control, Probability Theory, Computational Statistics, Social and Economic Statistics

2018 – 2021

---

## Research Areas

- Statistical Modelling
  - Data Science (socio-economic and demographic data analysis)
  - Economic and Econometric Modelling
  - Probability Theory
- 

## Programming Skill

- R
  - MATLAB
  - STATA
- 

## Language Skill

- English (fluent & proficient)
  - Italian (basic)
- 

## Conference/Seminars/Workshop/Colloquium/Summer Schools

1. I.S.E.O. Summer School in Economics, Iseo, Italy, 13-20th June 2026
2. Colloquium Lecture, Faculty of Physical Sciences, University of Benin, Benin City, Nigeria, 24th April 2026  
**Paper Presented:** Copula: Theory, Estimation and Economic Applications
3. Conference on Computational and Methodological Statistics (CMStatistics 2024) & Computational and Financial Econometrics (CFE2024), King's College, London, UK, 14-16th December 2024  
**Paper Presented:** A new two-component hybrid model for highly right-skewed data sets with applications.
4. Distinguished Alumnus Lecture, Faculty of Physical Sciences, University of Benin, Benin City, Nigeria, 6th September 2024  
**Paper Presented:** Statistical Modelling of Spatial Dependence in Extreme Environmental Variables using Max-stable Processes: Desiderata for Climate Change Action
5. Faculty Seminar, School of Science and Technology, Pan-Atlantic University, Lagos, Nigeria, 26th August 2024  
**Paper Presented:** Modelling and Analysis of Data Sets Contaminated with Extreme Observations with Hybrid Models using Iterative Unsupervised Algorithms
6. Programme and Policy Dialogue, United Nations Economic Commission for Africa, Addis Ababa, Ethiopia, 31st July 2024  
**Paper Presented:** Modelling and Forecasting Migration Levels in Africa using Machine Learning Methodologies
7. The International Conference on Hydrocarbon Science and Technology (ICHST), Effurun, Nigeria, 21st – 22nd, September 2019  
**Paper Presented:** Statistical Assessment of Wind Energy Potential of South – Eastern Nigeria
8. 30<sup>th</sup> Statistics Research Group (SRG) Quarterly seminar, Benin City, Nigeria, October 10th, 2019  
**Paper Presented:** Stochastic Latent State Space Modelling with Applications to Criminal Intelligence
9. The 42<sup>nd</sup> Annual Conference of the Nigerian Statistical Association (NSA), Awka, Nigeria, September 5 – 7th, 2018  
**Paper Presented:** A New Generalized Family of Distributions on the Unit Interval: The T – Kumaraswamy Family of Distributions

## Curriculum Vitae for Patrick Osatohanmwon

10. The 34<sup>th</sup> Annual Conference of the Nigerian Mathematical Society (NMS), Makurdi, Nigeria, May 9 – 12th, 2017  
**Paper Presented:** The T – X Poisson Class of Probability Distributions.
11. 23<sup>rd</sup> Statistics Research Group (SRG) Quarterly seminar, Benin City, Nigeria, February 23rd, 2017  
**Paper Presented:** Advances on the Methods for Generating Continuous Univariate Distributions.
12. International Conference for Applied Statistics and Development in Africa (SADA 2016), Cotonou, Republic of Benin, November 28th – December 3rd, 2016, Cotonou  
**Paper Presented:** A New Statistical Model for Extreme Wind Speed Frequency Analysis: The Gumbel-Burr XII distribution.
13. Statistics Research Group 3<sup>rd</sup> Biennial National Conference on Mathematical Statistics, Benin City, Nigeria, May 11 – 13th 2016  
**Paper Presented:** An Evaluation of Statistical Methods for Estimating Wind Speed Extremes.

## Published Peer-Reviewed Research Papers

1. **Osatohanmwon, P.** (2026). Modeling Right-skewed Heavy-tailed Distributions with a Hybrid Model Estimated using an Unsupervised Iterative Algorithm with Application to Stocks and Insurance Claims Data, *Annals of Data Science*; <https://doi.org/10.1007/s40745-025-00670-4>
2. **Osatohanmwon, P.** (2025). A New Two-Component Hybrid Model for Highly Right-Skewed Data: Estimation Algorithm and Application to Rainfall Data from South Tyrol, Italy, *Mathematics*, Vol. 13(18), 2987; <https://doi.org/10.3390/math13182987>
3. **Osatohanmwon, P., Oyegun, F.O., Ogbonmwon, S.M. and Williams, Muhwava.** (2024). A General Framework for Generating Three-Component Heavy-Tailed Distributions with Application. *Journal of Statistical Theory and Applications*, Vol. 23, 290–314; <https://doi.org/10.1007/s44199-024-00084-w>
4. **Osatohanmwon, P., Omotayo-Tomo, M.S., Oyegun, F.O., Mazona, V., Ewere, F., Bileanmi, A and Osawe, L.** (2022). A Note on Hidden Markov Models with Application to Criminal Intelligence, *Journal of Applied Sciences and Environmental Management*, Vol. 27(2), 277-282; <https://dx.doi.org/10.4314/jasem.v27i2.13>
5. **Osatohanmwon, P., Efe-Eyefia, E., Oyegun, F.O., Osemwenkhae, J.E., Ogbonmwon, S.M and Afere, B.A.** (2022). The exponentiated Gumbel-Weibull {log logistic} distribution with application to Nigeria's COVID-19 infections data. *Annals of Data Science*, Vol. 9, 909 – 943; <https://doi.org/10.1007/s40745-022-00373-0>
6. **Osatohanmwon, P., Oyegun, F.O. and Ogbonmwon, S.M.** (2022). The Weibull – Burr XII {log logistic} Poisson distribution, *Journal of Statistics and Management Systems*, Vol. 25(3) 549-584; <https://doi.org/10.1080/09720510.2021.1917799>
7. **Omogere, D.E and Osatohanmwon, P.** (2020). Forecasting Nigeria's Per Capita Disposable Income Using the SARIMA Time Series Framework, *Advances and Applications in Statistics*, Vol. 64(1), 23 – 32; <http://dx.doi.org/10.17654/AS064010023>
8. **Osatohanmwon, P., Oyegun, F.O. and Ogbonmwon, S.M.** (2020). The T – R {Y} power series family of probability distributions, *Journal of the Egyptian Mathematical Society*, Vol. 28, number 29; <https://doi.org/10.1186/s42787-020-00083-7>
9. **Osatohanmwon, P., Oyegun, F.O., Ajibade, B. and Ewere, F.** (2020). A New Generalized Family of Distributions on the Unit Interval: The T-Kumaraswamy Family of Distributions, *Journal of Data Science*, Vol. 18 (2), 219–237; [https://doi.org/10.6339/JDS.202004\\_18\(2\).0001](https://doi.org/10.6339/JDS.202004_18(2).0001)
10. **Osatohanmwon, P., Oyegun, F.O. and Ogbonmwon, S.M.** (2019). A New Member from the T-X Family of Distributions: The Gumbel-Burr XII distribution and its properties. *Sankhya A*, Vol. 81, 298 – 322; <https://doi.org/10.1007/s13171-017-0110-x>
11. **Osatohanmwon, P., Oyegun, F.O., Osemwenkhae J.E. and Ekhoehuehi, N.** (2018). An Appraisal on Some Methods for Estimating the 2-Parameter Weibull Distributions with Application to Wind Speed Samples, *Sri Lankan Journal of Applied Statistics*, Vol. 18(3), 146 – 166; <http://doi.org/10.4038/sljastats.v18i3.8001>
12. **Osatohanmwon, P., Oyegun, F.O. and Ogbonmwon, S.M.** (2017). Confidence Bounds for Extreme Wind Speed Estimates: A Comparison of the Gumbel-Burr XII Distribution and the Classical Extreme Value Distribution, *Africa Journal of Applied Statistics*, Vol. 4(1), 259 – 271; <http://dx.doi.org/10.16929/ajas/2017.259.214>

## Awards and Honors

- University of Benin Scholar Prize, University of Benin, 2011
- Fellow, African Centre for Statistics, United Nations Economic Commission for Africa, 2024
- Distinguished Alumnus, Faculty of Physical Sciences, University of Benin, 2024