

CURRICULUM VITAE

A) BIO-DATA

Name: Dr. Poti Owili Abaja, PhD
Sex: Male
Date of Birth: 15/12/1969
Nationality: Kenyan
Religion: Christian
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B) EDUCATIONAL BACKGROUND

2010 - 2016: KABARAK UNIVERSITY **PhD (STATISTICS)**
THESIS ENTITLED: IMPUTATION OF MISSING VALUES FOR BILINEAR
TIME SERIES MODELS

1995 - 1997: EGERTON UNIVERSITY **MSC (STATISTICS)**
Thesis Entitled: Model Identification for Stable Time Series Models

1989 -1992: EGERTON UNIVERSITY **BSC(MATHEMATICS)**

1987 -1988:
HIGHWAY SECONDARY SCHOOL, NAIROBI.
Kenya Advanced Certificate of Education (KACE)
Aggregate: 2 Principles (Mathematics and Physics) and Two Subsidiaries
(Chemistry and General Paper)

1983 -1986: AQUINAS HIGH SCHOOL, NAIROBI.
Kenya Certificate of Education (KCE)
Aggregate: Division II, 26 Points (Distinction in Mathematics)

1976 - 1982: JOGOO ROAD PRIMARY SCHOOL, NAIROBI (CPE)
Certificate of Primary Education (CPE)
Aggregate :30 points

C) PROFESSIONAL EXPERIENCE

2017-2021 Senior Lecturer, Mathematics Department

COURSE TAUGHT:

Research Methods, Multivariate Analysis, Advanced Time series Analysis, Calculus I &II, Operations Research, Stochastic Processes, Biometrics(Clinical trials), Regression and correlation Analysis, Statistics Project, Probability and statistics I &II, Management Mathematics, Econometrics I and II, Categorical Data Analysis, Mathematical Statistics I,II,&III.

2013-2016 LAIKIPIA UNIVERSITY
Lecturer (Department of Mathematics and Computer Science)

2008-2013- Assistant Lecturer
(Department of Mathematics and Computer Science)

2005 – 2008: KABARAK UNIVERSITY
LECTURER (MATHEMATICS AND PHYSICS DEPARTMENT)

2003 – 2005: KENYA COLLEGE OF ACCOUNTANCY (NOW KCA UNIVERSITY)
Lecturing Undergraduate Students Undertaking Taking Bsc. IT

Courses Taught: Bridging Mathematics, Calculus 1 and II, Simulation and modeling

2003-2005 Assistant Director (Finance), and Head of ACCA Studies, Cornerstone Training Institute, Nairobi.

Courses Taught: Financial Management and Control (ACCA PART I)
Performance Management (ACCA PART III)

1997 – 2003: OSWAL COLLEGE
Teaching Quantitative Methods for ACCA, ABE& IMIS Programmes.

D) RESPONSIBILITIES

2016-2019 COD MATHEMATICS

2013-2016 COD MATHEMATICS AND COMPUTER SCIENCE DEPARTMENT
Performed the duties of the Dean of School of Science and Advanced Technology on several occasions.

2011-2013 Examination Officer (Mathematics and Business Department, Mathematics Department, Laikipia University)

2009-2013 Examination Officer (Mathematics and Business Department, Laikipia University)

2007-2008 Chairman Department of Mathematics and Physics at Kabarak University

E) ACHIEVEMENTS

2017-2021 Initiated and developed the MSc Applied Statistics Programme. Stakeholders meeting for refining the programme is set for 9th September, 2021.

Initiated and developed a two Months Internal Attachment programme for Bsc Applied Statistics programme.

2011-2016 Developed and Implemented the BSc, Statistics Curriculum

2014 Developed the BEDMAS Curriculum with Dr. Margaret Ngugi (Zero Draft)

- 2014 Oversaw the development of the Internal Attachment policy for BICT Students
- 2007 Best Employee, Kabarak University

F)Consultancy

I have taught courses as in other universities as follows:

Kabarak University (2017-2019): Masters Students

- Financial Risk Management
- Statistics for Researchers

Jomo-kenyatta University(2018-2020) Masters and PhD Students

- Econometrics (PhD)
- Statistics for Researchers (Masters)

Egerton University (2018-2021)

- Statistics for Researchers (PhD-introduced software Application in teaching and Examination)
- Quantitative Methods (Masters)

G) COMMITTEES SERVED

- 2018-Present ISO 9001:2015 and ISO 27001:2013 Laikipia University Internal Auditor.**
- 2020-2021 Co-opted member of the School of Science Curriculum review and development Committee**
- 2016- 2019 Chairman of the Senate Catering Committee for Graduation**
- 2014-2015 Member of the Senate Catering Committee for graduation**

H) CONTRIBUTION TO SOCIETY

- 2016-Present Chairman of the Church Development committee, **Abundant Life SDA Church.****
- Member of the Church Board(Abundant SDA Church)
- 2016 Patron, Statistics Club, Laikipia University**
- 2015 Director of Education and Publishing of the Abundant Life SDA Church**
- 2013 Internal Auditor, Quality Management Systems.**
- 2013 Director, Stewardship Department, Abundant Life SDA Church**
- 2013 Patron, CHURCH Choir**
- 2012 Organized Chess Tournament for Laikipia University Students**

J) PUBLICATIONS

- Asaneth, L. Ochieng, I. Owili, P.(2019). The Effect of Management of Diversity dimensions on employee performance in selected public universities in Kenya.IOSR Journal of Business and Management(IOSR_-JBM)e-issn:2319-7668 Vol 21 Issue 11 Series.
- Kapchanga, J. D, Owili, P., and Onyuma, S.(2018). Does public debt moderate the effect of Inflation Rate on security market Returns in Kenya? International Jpournal of Scientific Research and Management(IJSRM). Vol/06/ Issue/12.PagesEM_2018-824-838
- Owili P.A. (2016). Estimation of Missing Values for BL (p, 0, p, p) Time Series Models with Student-t Innovations, *International Journal of Statistics and Applications*, Vol. 6 No. 3, 2016, pp. 113-122. doi: 10.5923/j.statistics.20160603.04.
- Owili, P.A. (2015). Imputation of Missing Values for BL (P,0,P,P) Models with Normally Distributed Innovations.Science Journal of Applied Mathematics and Statistics.Vol.3, No. 6, 2015, pp. 234-242. doi: 10.11648/j.sjams.20150306.12
- Owili, P. A., Nassiuma, D., and Orawo, L. (2015).Imputation of Missing Values for Pure Bilinear Time Series Models with Normally Distributed Innovations." *American Journal of Applied Mathematics and Statistics* 3.5 : 199-205.
- Owili, P .A., Nassiuma, D., and Orawo, L. (2015). Efficiency of Imputation Techniques for Missing Values of Pure Bilinear Models with GARCH Innovations, *American Journal of Mathematics and Statistics*, Vol. 5 No. 5. pp. 316-324. doi:10.5923/j.ajms.20150505.13.
- Owili, P A., Nassiuma, D., and Orawo, L. (2015). Estimation of Missing Values for Pure Bilinear Time Series Models with Student-t Innovations, *International Journal of Statistics and Applications*, Vol. 5 No. 6, 2015, pp. 293-301. doi: 10.5923/j.statistics.20150506.05.

k) BOOKS PUBLISHED

A Statistical Analysis of Performance Appraisal Systems (2014) by Prof. [Isaac Ochieng](#), Dr. [Poti Owili](#) , [Ann Gichuhi](#) (Author). Lambert Publishers.

MANUALS WRITTEN

- BCOM 171- BUSINESS MATHEMATICS II- POTI OWILI ABAJA 2015 for Laikipia University Distance learning programme.
- BOPM 140: Management Mathematics I . Manual for distance Learning (Egerton University)

L) MANUALS REVIEWED

- BCOM 170- BUSINESS MATHEMATICS I Laikipia University University Distance learning programme.

M) Conferences Presentations

- i) **Forecasting Models for the Performance of Selected Orphan Crops in Kenya.** Already accepted by the conference committee to be presented at Kabarak University Conference-13 October, 2021. Poti Owili and Florence Opondo.
- ii) **Time Series Intervention Modelling for Analyzing and Forecasting Beans and Potato Yield in Kenya.** Poti Owili and Florence Opondo. Bomett University College First International Conference. 13-14 July, 2021.
- iii) **Forecasting models for production and yield levels for Maize and Potato crops in Kenya.** Early Career Research Leader Fellowship conference:6-8th July,2021.

Poti Owili; Oyoo Maina and Florence Opondo.

- iv) **Estimation of Missing Values for Bilinear Time Series Models with Garch Innovations Using Nonparametric Methods.**

Poti Owili¹, Dankit Nassiuma², Luke Orawo. *Proceedings of the Kabarak University 6th Annual International Research Conference. 13th – 15th June 2016.Nakuru, Kenya.*

- v) **Efficiency of Nonparametric Estimators for Missing Observations of Bilinear Time Series with Gaussian Innovations Poti Owili¹, Dankit Nassiuma², Luke ORAWO³.** *Proceedings of the Kabarak University 6th Annual International Research Conference. 13th – 15th June 2016.Nakuru, Kenya.*
- vi) Presented a paper at the 1st international conference of Laikipia University held at the then Laikipia University College. Title: Effects of selected factors on performance of secondary schools in Rongai District(2012) .

N) POST GRADUATE SUPERVISION

PhD Supervision

- **Asaneth Lagat.(MDB35/4144/16.** The Effect of Diversity imensions on employee performance in selected public universities in Kenya(2021).
Supervisors: Prof. Isaac Ochieng and Dr. Poti Owili Abaja

Masters Supervision

- **Josiah Mokaya(MB24/2143/13).** Effect of adoption of corporate governance practices on financial performance of savings and credit cooperatives societies in Nyandurua County, Kenya(2021).
Supervisors: Dr. P. Nzioki and Dr. Poti Owili Abaja
- Justus Wambua Maundu(CM11/0015/10/30). “Effect Of Dividend Policy On Market Value Of Listed Firms At The Nairobi Stocks Exchange. (2021). Laikipia University.
Supervisor: Dr. P. Nzioki and Dr. Poti. Owili
- David Kapchanga: Effects of macroeconomic variables on performance of the NSE stock market, Laikipia University (2018).
Supervisors: Dr Poti Owili Abaja and Dr. Samuel Onyuma
- Wanyoike Martha Wanjiku (CM11/0072/11). Analysis of selected factors that Influence Client participation in Agency Banking. 2015, Laikipia University.
• **Supervisors: Dr Isaac Ochieng and Dr. Poti Owili Abaja**
- Irene Odhiambo(CM11/00001/09). Effects of Information and Communications Technology investments, 2014, Laikipia University .**Supervisors: Prof Isaac Ochieng and Dr. Poti Owili Abaja**
- John Kihanda Mungai-Effects of results Based Management o Performance of Nyahururu sub-County of Laikipia, 2014. **Supervisors: Dr Paul Nzioki and Dr. Poti Owili Abaja**
- Ann Wanjiru Gichuhi(CM/00016/10)-Effects of performance Appraisal on Employee Productivity. Supervisors: **Prof Isaac Ochieng and Dr. Poti Owili Abaja**
- Wanjiru Gladys Anne: Effects of Agency banking strategy on the performance Kenya Commercial Banks-2014, Laikipia University. **Supervisors: Prof Isaac Ochieng and Dr. Poti Owili Abaja**
- Nyauma Jasper Ombati(CM11/000030/10). Effects of Strategy Implementation Organisational performance, 2014 : **Prof Isaac Ochieng and Dr. Poti Owili Abaja**

O) Ongoing Masters Supervision

JAN AMONDI ODIGA (CM11/17933/15). DETERMINANTS OF LOCAL CURRENCY GOVERNMENT BOND MARKET DEVELOPMENT IN KENYA. Egerton University.

P) SEMINARS AND WORKSHOPS

2010: Attended workshop on Pedagogical Practices, Assessment and Evaluation held at Laikipia University College

Q)Funded Research by Laikipia university(2021-2023)

- Research Topicv: An Automated Hydroponics Showcase for Sustainable Farming in Laikipia County
Dr Kirori Mindo, Dr Poti Owili , Dr Florence Opondo, Dr Daniel Pande.
- ENHANCING RESILIENT FOOD SYSTEMS AMONG SMALLHOLDER FARMERS IN LAIKPIA COUNTYTHROUGH INCLUSIVE SOCIAL NETWORKS.

DR. FLORENCE ACHIENG’OPONDO; DR. POTI OWILI ; DR. KIRIRO MINDO

REFERENCE

- 1. Prof. Dankit Nassiuma,**
Vice Chancellor,
African International University,
P.O. Box 24686-00502,Nairobi.
- 2. Prof Isaac OChieng’**

Laikipia University,
Egerton University,
P.O. Box 1100-20300 Nyahururu.
- 3 .Prof .Charles Nguta**
Laikipia University,
Egerton University,
P.O. Box 1100-20300 Nyahururu.