

Curriculum Vitae for

Peter Githinji Murage

Personal Information

Date of birth	12 th December 1969
Sex	Male
Religion	Christian
Marital status	Married
Nationality	Kenyan
Languages	English, Kiswahili, Kikuyu, Kimeru
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Professional Statement

I am a Statistician, lecturer and a researcher, specializing in Statistical modelling and Estimations. My research interests are in studying and analyzing Extremal events in relation to economic, environment and disease modelling. I apply R-software in Statistical and Data science techniques to formulate models that can be used to predict and forecast how processes evolve. My interest is in modeling different processes that affect society in Kenya, in the region and globally.

Educational Qualification

Masinde Muliro University of Science and Technology	2016- 2020
PhD degree in Statistics	
Meru University of Science and Technology	2011 to 2014
Msc Applied Statistics	
International Correspondence Schools	2004 -2006
Diploma in Electrical Engineering	
Kenyatta University	1990 -1995
Bed Science	
Magomano Secondary School	1986 – 1989
KCSE B-	
Gathara Primary School	1977 – 1985
KCPE 56 Points	

Work Experience

University Experience

Lecturer-MNU	2024 to date
Lecturer-SEKU	2021 to 2024
Assistant Lecturer-Kemu	2020 to 2021
Tutorial Fellow-Kemu	2018 to 2020
Part-Time lecturer-SEKU	2021
Part-Time lecturer –MUST	2012 to date
Part-Time lecturer-Embu	2015 to 2022

Part-Time lecturer-CUC

2014 to 2018

High School Experience

Kaaga Girls High School -
Gatero Girls Secondary School-
Irindiro Secondary School -

Teacher 2011 to 2017

Teacher 1998 to 2010

Teacher 1995 to 1997

Professional and Other Trainings

- Malaria Modelling using R-software-Chuka University-29-30 September 2024
- Publications Review Training-Taylor and Francis-21-09-2021
- Odel champion training- Seku training-2024
- TIVET training- Ministry of TIVET-2019
- Marketing Strategies training-Kemu-2019
- Computer packages
- Educational administration and curriculum implementation

Curriculum Development

- Team leader- Bsc,Data Science curriculum development MNU-2024
- Team leader -Bsc. Statistics curriculum Review in SEKU 2022-to 2023
- Team leader-Msc. Statistical Data science curriculum development-New Programme-2022 to 2023 SEKU
- Team leader- Bsc. Data Science and Statistics curriculum development- New program - 2023new 2024 SEKU
- Committee member -Data Analytics Curriculum Development-New Programme- MUST 2023 to date
- Stakeholders' forum for curriculum Review-Embu 15/04/2024

Conferences and Workshops

1. 13TH Multi-Disciplinary International Conference 2019 Masinde Muliro University of Science and Technology
(MMUST)
2. 2nd Annual International Conference Machakos University Hotel and Conference Center
3. Malaria Modelling with R Sept 29-30 Chuka University

Research Grant Award

- Supervisor-Award of internally funded research grant-SEKU

Committee Appointments

- Program Leader-Statistics and Programming-MNU 2024 to date
- Statistical Projects coordinator -SEKU 2021to 2024
- Statistical thesis supervisor-SEKU 2021 to 2024

- Mathematics Students project coordinator-KEMU 2019-2021

Publications

1. Iiste journal of mathematical theory and modeling Vol 5 No.3, 2015 pg. 39-56
2. Open Journal of Statistics (OJS) 2019, 9, 327-346
<http://www.scirp.org/journal/ojs>
3. Open Journal of Modeling and Simulation (OJMSi) Vol 7, pg 149-168.
<https://doi.org/10.4236/ojmsi.2019.73008>

Post graduate Supervision

Ongoing

- Arthanus Mutuku: Analysis and Forecasting of potato retail price using SARIMAX model. 2021 to date-SEKU-Msc
- John Kamau: modelling trends of prostate cancer incidences using ARIMA and ARIMAX models (a case of Meru County) 2022 to date -MUST-Msc
- Lawrence Mbuu Matuku: determination of value at risk using the two-dimensional non-homogeneous Poisson process based on extreme value theory. 2023 to date-UOE-Msc
- Nyakora Bichang'a Simion: modelling and predicting higher education pathways of high school graduates: a statistical learning approach. 2023 to date-PhD-UOE

Key Achievements

University

- Supervising ongoing master's students in their statistical thesis
- Guiding undergraduate students to undertake Researchable statistical projects.

Others

- Helping Girls from Gatero Girls to carry out a science project that competed favorably up to National level.
- Participating in social work like charity walks to help the less disadvantaged.
- Participating as a Judge in the Science Congress up to county level

Professional Membership

Member of Kenya National Statistical Society (KNSS)-2014 to Date

Hobbies

Reading magazines and journals, Racket games, Football

Referees

Dr. Joseph Kyalo Mung'atu
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