

CURRICULUM VITAE

Personal Details

Name: Dr. Euna Nyarige

Gender: Female

Nationality: Kenyan

Address: Machakos University, Department of Mathematics, Statistics and Actuarial Science, P. O. Box 136-90100, Machakos, Kenya.

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Languages: English, Swahili and German

Educational Background

October 2012-June 2016

PhD student: On scholarship awarded by DAAD (Deutscher Akademischer Austauschdienst), Department of Mathematics, Technische Universität Kaiserslautern.

Doctoral Thesis: The Bootstrap for the Functional Autoregressive Process (FAR(1))

Principal subjects covered: Bootstrap, Functional data, Time series, Change point detection

May 2010-December 2011

MSc Applied Statistics: (Inland scholarship award from DAAD), Department of Statistics and Actuarial Sciences, Jomo Kenyatta University of Agriculture and Technology.

Masters Project: Image Sharpening in Digital Image Processing with Application to CCTV Cameras.

May 2006-December 2009

BSc Mathematics and Computer Science (First Class Honors), Department of Statistics and Actuarial Science, Jomo Kenyatta University of Agriculture and Technology.

Work Experience

January 2018-Date

Lecturer: School of Pure and Applied Sciences, Machakos University

Main responsibilities: Teaching at undergraduate and post graduate levels, Supervision of research projects and theses, Drafting and administration of Examinations.

November 2016-December 2017

Lecturer: School of Business and Economics, Kisii University

Main responsibilities: Teaching at undergraduate and post graduate levels, Drafting and administration of Examinations, Supervision of research projects, Participation in development of Curricula.

September 2016-October 2016

Assistant Lecturer: School of Business and Economics, Kisii University

Main responsibilities: Teaching, Research project supervision, Drafting and administration of exams.

March 2016-June 2016

Scientific Staff (Mitarbeiterin): Department of Mathematics, Technische Universität Kaiserslautern, Germany.

Main responsibilities: Polar ice data pre-processing as part of a wider project in spatial statistics.

January 2015-March 2016

Scientific Assistant (HiWi): Department of Mathematical Methods for Dynamics and Stability, Fraunhofer-Gesellschaft, Germany.

Main responsibilities: Participation in projects from industry by developing data analysis scripts in Matlab and Excel and consequently analysing the data.

February 2012-July 2012

Teaching assistant: Department of Business Administration and Management, Kisii University College, Egerton University.

Main responsibilities: Teaching which included areas of time series and regression analysis, Drafting and administration of examinations.

May 2010-December 2011

Teaching assistant: Department of Statistics and Actuarial Sciences, Jomo Kenyatta University of Agriculture and Technology.

Main responsibilities: Tutorials, Assisting in administration of Continuous Assessment Tests, Assisting students with their practicals during laboratory sessions.

Research and Publications

1. Nyarige, E. G., (2016), The Bootstrap for the Functional Autoregressive Model FAR(1), (Doctoral thesis published in KLUEDO), <http://nbn-resolving.de/urn/resolver.pl?urn:nbn:de:hbz:386-kluedo-44105>
2. Franke, J. and Nyarige E. G., (2016) A residual-based bootstrap for functional autoregressions, Submitted in Bernoulli, Germany.
3. Franke, J. and Nyarige, E. G., (2016) On the residual-based bootstrap for functional autoregressions, 3rd International Society for Non-Parametric Statistics (ISNPS) Conference, Avignon, France.
4. Osoro, M. O. ,Nyang'au, A. S. and Nyarige, E. G., (2017) An assessment of the effect of investment decision techniques on financial performance of medium enterprises in Kenya: a case of Kisii town, African Journal of Business and Management.
5. Nyarige, E. G., Franke, J. and Fischer, A., (2017) On Changepoint Detection in a Series of Stimulus-Response Data, Published in KLUEDO,<http://nbn-resolving.de/urn/resolver.pl?urn:nbn:de:hbz:386-kluedo-51399>
6. Franke, J., Nyarige, E. and Krebs, J., (2018) Bootstrapping Functional Autoregressions, 13th German Probability and Statistics Days (GPSD) Conference, Freiburg, Germany.

Professional Membership

November 2017-Date

Vice chair, Kenya National Statistical Society

Referees

1. Prof. John Kihoro
The Co-operative University of Kenya
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2. Prof Anthony Waititu
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3. Prof. Dr. Jürgen Franke
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