

CURRICULUM VITAE

1. PERSONAL DETAILS

NAME: JAMES MWANGI KAMAU KAHIRI

ADDRESS: DEPARTMENT OF STATISTICS AND ACTUARIAL
SCIENCE,
KENYATTA UNIVERSITY,
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NATIONALITY: KENYAN

GENDER: MALE

DATE OF BIRTH: 28TH AUGUST 1959

2. QUALIFICATIONS

2.1 *Academic Qualifications*

- 1995: Phd In Statistics, University Of Southampton Uk.
- 1985: Msc (Mathematical Statistics), University of Nairobi.
- 1983: Bachelor of Education (Science), University of Nairobi.

2.2 **Other Courses.**

- **2007: Internal Quality Auditing Course, Kenya Bureau of Standards.**
- **2008 Internal Audit Course, SGS Kenya Ltd.**

3. EMPLOYMENT HISTORY

- 2011 to date: Senior Lecturer, Mathematics Departments, Kenyatta University.

- 1990 to 2011: Lecturer, Mathematics Departments, Kenyatta University.
- 1988-1990: Tutorial Fellow, Mathematics Departments, Kenyatta University.
- 1986 to 1988: Taught mathematics at Kenya Polytechnic.

4. ADMINISTRATION RESPONSIBILITY (AT KU)

4.1 *At Kenyatta University*

- 2012 to date: Chairman, Statistics and Actuarial Science Dept
- 7th November to 30th Octobe: **Deputy Director**, Institute of Open, Distance and e-Learning, Kenyatta University.
- 4th April 2006-7th November 2007: **Deputy Director**, Center for Self-Sponsored Programs, Kenyatta University.

4.2 *At Other Institutions*

- Jan 2008 to date **Assistant Organizing Secretary**, Kenya National Statistical Society.

5. POSTGRADUATE SUPERVISION

5.1 *PhD supervision*

5.1.1 **COMPLETED**

- Okwachi Samuel Evans ”*Factors that influence the implementation os strategic plans by SMEs in Kenya*”
- Simon Kimani Ngugi ‘*Determinants of Trde Accounts Receivables Management in The Hotel Industry in Kenya. (2014)*
- Waiganjo Esther Wangithi ‘*Contingency perspective of the relationship between strategic Human Management and firm performance of Kenya’s corporate organizations(2013)*
- Samuel Githinji Karoki, *Model Based Non-Parametric Estimation of Finite Population Total Under Two Stage sampling (2010).*
- Kenneth Lawrence Wanjau, *Role Of Quality in Growth of SMEs in Kenya (2010).*

5.1.2 ONGOING

- Kihato K.W. Wamburu ‘*Moderating Effect of Regulation of the Relationship Between Information Technology and Performance of Pension Schemes in Kenya*, Ph.D.
- Eunice Muchai, *Development of probabilistic classification tree models*, Ph.D
- Mutua Beth Mutanu, *Effects of Response Errors in Estimation of Variance Adaptive Sampling in Elusive Survey*, Ph.D

5.2 *Masters supervision*

5.2.1 COMPLETED

- Gerald Muthoka Muthui ‘*Risk Factors and Time Series Analysis of Road Accidents in Kenya*. (2014)
 - Waweru Paul Mwangi ‘*Mixture Ratio Estimators Using Multi-Auxiliary Variables and Attributes for Two Phase Sampling*. (2014)
 - Tele A Kimtai ‘*Statistical Analysis of Neonatal Mortality at Pumwani Maternity Hospital, Nairobi, Kenya* (2014)
 - Tobias Matano Musyoka ‘*High-Risk Sex Practice and its Determinants Among HIV Positive Women in Thika Level 5 Hospital, Kenya*. (2014)
 - Johnstone Wanjala Poipoi, *Effect of Misclassification errors on the Ratio Estimator under cluster sampling* (2013).
 - . Kabue Timothy Gichuki, *Ratio Estimation with Measurement Errors in the Auxiliary Variable* (2011).
 - Tinega L.K. Richard, *Impact of Measurement Errors on Regression Estimation* (2010).
 - Nyabwanga O. Richard *Effects of Systematic Measurement Errorson Population Total Estimator from Systematic Samples*.(2010)
- 2009**
- Mosota Jaquine Obonyo, *Impact of Measurement Errors on Best Linear Unbiased Estimator (BLUE) and Combined Ratio Estimator* (2009).
- 2008**
- Alii Leonard Kiti, *Effects of Measurement Errors In Single Stage and Two Stage Cluster Sampling*.(2008)

2007

- Mutegi Jane Kanini, *Measurement Errors and Ratio Estimation.*(2007)
- Adika George Odera, *Impact of Measurement Errors on Regression Estimation.*(2007)

2006

- Nyankuna Samson Onkui, *Effects of Measurement Errors on Simple and Correlated Response Variances in Stratified Random Sampling*(2006)
- Waraho Peter Kimani, *Effects of Correlated Errors in Repeated Measurements on Estimation of Simple and Correlated response Variances.*(2006)

2005

- Lucy Wanjiru Kamau, *Effects of Correlated Measurement Errors with Biases in 1st Interview and Nonresponse in 2nd Interview in Estimation of Total Response Variance*(2005)
- Mutua Beth Mutanu, *Estimation of Simple Response Variance With Measurement Errors in First and Nonresponse in Second Interviews.*(2005)

2004

- Mundia Samuel. *Estimation of Simple Response Variance When First and Second Interviews Use Different Designs.*(2004)

5.2.2 ONGOING

- Rukenya Elias Maina, *Determination of indicators for wearing of safety gears by motorbike riders.*

6.0 CONFERENCES/SEMINARS/WORKSHOPS

6.1 *Participation in Workshop/Conference*

- Workshop on Mathematical Modelling Kenyatta University, June 2013.
- The First Kenyatta University International Mathematics Conference in June 2011.
- 1st East African Regional Scientific Conference of School of Pure and Applied Sciences, Kenyatta University, in August 2010.

- Conference on Moving research to Wealth Creation, Kenyatta University, April 2009
- Conference on Increased Access to Education Diversity in Application and Management Strategies, Kenyatta University, November 2008.
- Seminar on Implementation of ISO 9001:2000 at Kenyatta University, in March, 2007.
- Workshop on Mathematics and Computer Science, Catholic University, April 2006.
- Career Improvement Workshop in Mathematics and Computer Science, University of Nairobi, April 2000.
- Conference on Family Expenditure Survey-Data Use, Tate Gallery, London UK, October 1995.
- Workshop on Measurement Errors in Surveys, University of Reading, UK, May 1995.
- Conference on Research in Probability and Statistics, University of Oxford, UK, March 1995.
- Conference on Research in Probability and Statistics, University of Bradford, UK, April 1994.
- Workshop on Survey Sampling, University of Southampton, 1993

7.0 RESEARCH AND PUBLICATIONS

7.1 *Articles in Refereed Journals*

- Ngugi S. K., Gakure R. W., Gekara G. M., **James M. Kahiri (2014)**, “Size of Organization on trade Accounts Receivables Management in the Hotel Industry in Kenya” *Prime Journal Of Social Science, Vol 3(1), pp 571-575*
- Ngugi S. K., Gakure R. W., Gekara G. M., **James M. Kahiri (2014)**, “Do Management Structures in the Hotel Industry in Kenya Affect their trade Accounts Receivables Management?”

Prime Journal Of Business Administration and Management, Vol 4(2), pp 1375-1379

- Wanjau K. L, Gakure R. W., Magutu P. O., **Kahiri J. M.** (2013). “The Role of Quality Adoption in Growth and Management of Small and Medium Enterprises in Kenya”. **9** No.7 pp 312-348
- **Kahiri, J. M.**, Odongo L. O and Karoki S. G (2012), “Single Stage Cluster Sampling with Binary Misclassification Errors”. *East African Journal Of Statistics*, **5** No.1 pp 58-81.
- Karoki S. G., Odongo L. O., **Kahiri J. M.** (2012). “Model-Based Nonparametric Estimation of the Finite Population Total Under Two-Stage Cluster Sampling.” *East African Journal Of Statistics*, **5** No.1 pp 82-96.
- Kahiri, J. M. K. (2007), “Misclassification Errors From Respondents, Interviewers and Coders”. *East African Journal Of Statistics*, **1** No.3 pp 233-247.
- Kahiri, J. M. K. (2006), “Impact of Measurement Errors on Categorical Data in Surveys”. *East African Journal Of Statistics*, **1** No.2 pp 129-142.

7.2 Articles in Academic and Professional Conferences.

- Karoki S. G., Odongo L. O., **Kahiri J. M.** (2012). “Model-Based Nonparametric Estimation of the Finite Population Total Under Two-Stage Cluster Sampling.” *presented at The First Kenyatta University International Mathematics Conference in June 2012*
- **Kahiri, J. M.**, Odongo L. O and Karoki S. G (2012), “Single Stage Cluster Sampling with Binary Misclassification Errors”, *presented at The First Kenyatta University International Mathematics Conference in June 2012*
- Kahiri, J. M. K. (1995), “Impact of Measurement Errors in Repeated surveys”. Paper presented at ‘*The 18th Conference in Probability and Statistics Conference*, University of Oxford.

8.0 LOCAL, REGIONAL AND INTERNATIONAL APPOINTMENTS

8.1 External examiner in other universities

- **February 2012:** PhD Thesis, Statistics And Actuarial Sciences Department, Jomo Kenyatta University of Agriculture and Technology.

8.2 *Appointment to Boards*

- **September 2011:**
Appointed by the Minister for Education as a member, Board of Governors, Kiguoya Mixed Day Secondary School.
- **January 2008:**
Assistant secretary, Kenya National Statistical Society.

9.0 AWARDS/RECOGNITION

2008- Recognition for my Contribution towards Kenyatta University's attainment of ISO 9001:2000 Certification.

10.0 COMMUNITY OUTREACH

- Usually participates in fund raising for noble causes like hospital bills distresses, church development and school fees for poor parents.
- Have consistently been giving motivational speeches to students in primary and secondary schools.
- Have been giving main speeches on closing and prize giving days at primary and secondary schools.

11.0 ACADEMIC LEADERSHIP

11.1 Development of teaching/academic programmes in department/school/university.

- Was one of the initiators, participated in developing and implementing Masters in Social Statistics in the department, in 2009.
- Has been active in review of departmental programmes in the Department.

12.0 OTHERS

12.1 *Contribution to university advancement.*

Participated and still participates in training KU staff in ISO 9001:2000 requirement at the ODeL office.

12.2 *Membership to Professional Bodies.*

I am an active member of Kenya National Statistical Society.

13.0 REFEREES

1. Prof. Leo Odongo.
Statistics and Actuarial Science Dept.
Kenyatta University
P.O. Box 43844
NAIROBI, KENYA.
2. Prof. Francis K. Gatheri,
Dean, School of Mathematics and Statistics
Technical University of Kenya
P.O. Box 52428-00200
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3. Prof Gerald Muthakia Kanyago,
Dedan Kimathi University Technology,
P. O. Box 657-10100
NYERI, Kenya.