



Inspiring Innovation and Leadership

KARATINA UNIVERSITY

STAFF PROFILE TEMPLATE



Name: Prof. Josphat Kamau Kinyanjui

1. **Designation:** Associate Professor

2. **Employment details**

School: Pure and Applied Sciences

Department: Mathematics, Statistics and Actuarial Science

3. Contact Information

Email Address: jkinyanjui@karu.ac.ke, josphat_kinyanjui@yahoo.com

5. Describe your professional self

A sample biography

Professor Josphat Kamau Kinyanjui is an Associate Professor in the School of Pure and Applied Sciences, Department of Mathematics, Statistics and Actuarial Science at the Karatina University, Kenya where he has been a faculty member since 2008. He is currently the Ag. Dean, School of Nursing and Public Health from 2019 to date and has also been the Dean, School of Pure and Applied Sciences from 2010 to March 2019.

Professor Kinyanjui completed his Ph.D. at Moi University, Kenya in 2007, Master of Philosophy degree at Moi University, Kenya in 1995, Master of Science in Applied Statistics at Limburg's Universitair Centrum, Diepenbeek, Belgium in 2000, Master of Science in Biostatistics at Limburg's Universitair Centrum, Diepenbeek, Belgium in 2001 and his undergraduate studies at Moi University, Kenya. His research interests lie in the area Response Surface Designs, Optimal Designs, Survival Analysis and Longitudinal Data Analysis. He has collaborated actively with researchers in several other disciplines of Statistics.

Professor Kinyanjui has participated and presented papers in several conferences, seminars and workshops nationally and internationally. He has published widely in the areas of: Optimal Designs, Response Surface Designs, Survival Analysis, Time Series Analysis and Longitudinal Data Analysis. He has served as an external examiner to several universities in Kenya and participated in several community outreach programs.

6. Area/ Field of specialization: Biostatistics

7. Research interests: Optimal Designs, Response Surface Designs, Survival Analysis, Time Series Analysis and Longitudinal Data Analysis

8. List some of your key published works.

Peer-reviewed Publications

1. Ngigi, Peter.K., J.K. Koske and **Josphat.K. Kinyanjui** (2021). A – Slope Optimal Design for Second Degree Kronecker Model Mixture Experiment with Four – Ingredients with Application in Selected Fruit Blending. *International Journal of Statistics and Probability*, **Vol. 10, No. 2; March 2021.**
2. Ngigi, Peter.K., J.K. Koske and **Josphat.K. Kinyanjui** (2020). D – Optimal Slope Design for Second Degree Kronecker Model Mixture Experiment with Three –

Ingredients. *International Journal of Statistics and Probability*, **Vol. 9, No. 2; March 2020**.

3. **Kinyanjui, Josphat.K.** and Betty.C.Korir (2020). Bayesian Estimation of Parameters of Weibull Distribution Using Linex Error Loss Function. *International Journal of Statistics and Probability*, **Vol. 9, No. 2; March 2020**.
4. Muriithi, Ruth. W., Kyalo, Teresia, N., and **Kinyanjui, Josphat, K.** (2019). Assessment of the Relationship between Involvement, Entrepreneurial Orientation and Performance of Christian Faith Based Hotels in Kenya. *International Journal of Research in Business and Social Sciences*, **Vol. 8, No. 4**, pp 90 – 104.
5. Ruth, W.M., Teresia, K., and **Josphat, K.** (2019). Effect of Consistency and Entrepreneurial Orientation on Performance of Christian Faith – Based Hotels in Kenya. *Asian Academic Research Journal of Social Sciences and Humanities*, **Vol. 6, No. 4**, pp 49 – 69.
6. Ruth, W.M., Teresia, K., and **Josphat, K.** (2019). Assessment of the Relationship between Entrepreneurial Orientation, Organization Culture Adaptability and Performance of Christian Faith – Based Hotels in Kenya. *International Journal of Research in Business and Social Sciences*, **Vol. 8, No. 4, 2019: 90 – 104**.
7. Betty.C.Korir and **Josphat.K.Kinyanjui** (2019). Parametric Interval Estimation of the Geeta Distribution. *International Journal of Statistics and Probability*, **Vol. 8, No. 1**, Available at: <https://doi.org/10.5539/ijsp.v8n1p1xx><https://doi.org/10.5539/ijsp.v8n1p1xx>.
8. Wanjohi, E.N., **Kinyanjui, J.K** and Gitumu, M.W. (2019). Relationship Between the Roles of Students' Councils in Strikes Management Strategies: Case of Public Secondary Schools in Kenya. *African Journal of Education, Science and Technology*, **Vol. 5. Number 2**, pp. 271 – 280.
9. Waweru, J.N., Waweru, K.M, Wanjau, K.L, and **Kinyanjui, J.K** (2018). Influence of Alternative Financing on the Relationship between Firm Size and Efficiency of Small and Medium Enterprises in Kenya. *Submitted and accepted for publication in the International Journal of Finance and Bussiness Studies (IJFBS)*, **Vol. 7. Number 1**. Available at: <https://www.ssbfn.net/ojs/index.php/ijfbs/issue/view/61>.

10. Waweru, J.N., Waweru, K.M, Wanjau, K.L, and **Kinyanjui, J.K** (2018). Influence of Alternative Financing on the Relationship between Managerial Competency and Efficiency of Small and Medium Enterprises in Kenya. *Submitted and accepted for publication in the International Journal of Finance and Bussiness Studies (IJFBS), Vol. 6. Number 6.* Available at: <https://www.ssbfn.net/ojs/index.php/ijfbs/issue/view/60>.