


Daystar University Staff Profile Template

1. Name:	<ul style="list-style-type: none"> • Kirumbu Michael K. • Lecturer of statistics and Mathematics, Science Department- Daystar University. • Coordinator of Statistics in the Department 															
2. Passport photo:																
3. Job Title and Responsibilities:	<ul style="list-style-type: none"> • Lecturer Science Department, School of sciences, engineering and Health. • Teaching, Research, mentoring student, development of curriculum and review of existing curriculum. 															
4. Biography:	<p>I have been a lecturer of statistics and mathematics within and outside Daystar University since 2005.</p> <p>In leadership and administration, I am currently the coordinator of statistics courses of Daystar University. In the year 2005 I was appointed Head of Department (on acting capacity) at Kiriri Women’s University and Technology where I served for three years.</p> <p>In the year 2016/2017 I was awarded certificate and a trophy of being the best lecturer in School of Sciences, Engineering and Health.</p> <p>As a way serving and giving back to the community, I am a chairman, Board of Management of Rugogwe Mixed Ssecondary School.</p>															
5. Academic Qualifications:	<table border="1"> <thead> <tr> <th>Academic Qualifications</th> <th>Year of Award</th> <th>Institution</th> <th>Thesis</th> </tr> </thead> <tbody> <tr> <td>Master of Science (In Biometry)</td> <td>2004</td> <td>University of Nairobi</td> <td>Checking Proportional Hazard Model</td> </tr> <tr> <td>Bachelor of Science</td> <td>1999</td> <td>University of Nairobi</td> <td></td> </tr> </tbody> </table>	Academic Qualifications	Year of Award	Institution	Thesis	Master of Science (In Biometry)	2004	University of Nairobi	Checking Proportional Hazard Model	Bachelor of Science	1999	University of Nairobi				
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Master of Science (In Biometry)	2004	University of Nairobi	Checking Proportional Hazard Model													
Bachelor of Science	1999	University of Nairobi														

6. Research Interests:	Forest Survival analysis
7. Publications:	<ul style="list-style-type: none"> • Ntwiga, D., Ogutu, C., Weke, P., and Kirumbu, M. (2018). A hidden Markov model of risk classification among the low income earners. Journal of Finance and Economics, 6 (6): 242-249 • Ntwiga, D., Ogutu, C. and Kirumbu, M. (2018). Inclusion of peer group and individual low-income earners in M-Shwari micro-credit lending: a hidden Markov model approach. International Journal of Electronic Finance, 9(2): 121-133 • Ntwiga, D., Weke, P., and Kirumbu, M. (2016). Trust model for social network using singular value decomposition. Interdisciplinary Description of Complex Systems, 14 (3), 296-302 • Developed BSc mathematics for daystar University (2010) with for concentrations; Statistics, Financial Mathematics, Pure and Applied Mathematics
8. Classes you teach:	<ul style="list-style-type: none"> • Time series Analysis, • Research methods, • Biostatics • Introduction to probability and statistics • Test of hypothesis • Ordinally differential equations • Basic Mathematics for communication
9. Other relevant links:	Researchgate : Michael Kirumbu Kiura
10. Official Contact Details:	<ul style="list-style-type: none"> • mkirumbu@daystar.ac.ke • +254 722 372 584