MARTIN M.
KASINA

STASTICIAN/DATA SCIENTIST

CONTACT

Machakos
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OVERVIEW

A self-motivated, hardworking and a team player with a well-developed interpersonal
Communication skills. Top data analyst and programming abilities with proven course
Development laced with over 10 years of academic experience.

SKILLS

Data analysis using R programing language, Python, Jamovi, SPSS, and SAS, Reports writing, Project appraisals/baseline studies/surveys, setting up designs of experiment and Training. Machine learning and model building.

EDUCATION

PhD. Applied Statistics	-2014-2020 (Moi University)
MSc-Applied Statistics	- 2007-2010 (University of Nairobi)
MSc- Data Science	- 2024- Ongoing (Coop University)
B. Education (Math/Econ)	- 1993-1997 (Egerton University)
CPA – Section 5	- 2010-2014 (KASNEB)
KCSE	- 1988-1991 (Masinga Boys' Secondary)
KCPE	- 1979-1987 (Makutano Primary School)

EXPERIENCE

Lecturer, Machakos University 2013 to date

Consultant on data analyst on work environment, customer & employee satisfaction in the ministry of Health/WHO, Kenya, 2014.

Consultant on data entry and analyst for PEGRES base line survey, under the ministry of Agriculture, 2013.

Surveys Supervisor in (Kenya Institute of Public Policy Research and Analysis) KIPPRA as a field supervisor and data analyst, 2009-2011

Data analyst for Nyayo Tea Zones Development Corporate Customer satisfaction survey, 2009

Secondary school teacher, 1997- 2010

I have a proven track record of delivering high-quality data analysis output while maintaining data protection ethics and principles.

PUBLICATIONS, CONFERENCES & TRAININGS

a) Publications

i. **Martin M. Kasina**, Koske Joseph, Mutiso John, Application of Central Composite Design to Optimize Spawns Propagation. Open Journal of Optimization, 2020, 9, 47-70, ISSN Online: 2325-7091, ISSN Print: 2325-7105.

ii. **Martin M. Kasina**, Koske Joseph, Mutiso John, Optimization of Oyster Mushroom yield by using simplex-centroid mixture design. International Journal of Scientific Research and Innovative Technology Vol. 7 No. 4; May 2020. (IJSRIT); ISSN: 2313-3759 (Online) editor@ijsrit.com

iii. 2014: AA Okango, J Koske, **MM Kasina**, T Kabue, AD-T optimal four factor central composite design with application in a germination of Melia Vonkesii experiment . (Published by Moi University)

iv. 2009: **Martin M. Kasina**, Prof M. Manene, Dr. Weke, Research on "Modeling the Major causes of rural poverty using logistic regression, Case study on Kenya, done in partial fulfillment for the degree of Master of Science in Applied statistics. **(Published by the UoN)** https://pdfs.semanticscholar.org/9ea6/955b13813ab34186c789fa00405e33bdaca6.pdf

b) Conferences & Seminars Presentations

i. **Martin M. Kasina** & Cecilia Katumo Predictive Modeling to Determine the Influence of Staff Skills in Wireless Networks on Organizations' Performance; Case study of Undevolved Government Ministries in Machakos Town, Kenya, 29TH – 31ST MAY, 2024, Machakos University, Kenya.

ii. **Martin M. Kasina**, Marther Ngigi, Elijah Muange, Alice Kosngei, Julius K. Nzeve and Kioko Hellen Ndinda ; Modelling the Pleurotus ostreatus Production.
Using Economic Returns Analysis for Oyster Mushroom farming in Machakos County the 3rd Machakos University Annual International Conference virtually held on 22nd -25th June 2021, **Machakos University, Kenya.**

iii. **Martin M. Kasina** Modelling the Pleurotus ostreatus Production
Using Simplex Centroid Design, the 1st Machakos University Annual International Conference held on 17th-19th April 2018, **Machakos University, Kenya.**

iv. **Martin M. Kasina**, Koske Joseph, Mutiso John Modeling The Pleurotus Ostreatus (Oyster Mushroom) Optimum Production Using Central Composite Designs 2nd KU Mathematics conference held between 16th -19th June 2015 at **Kenyatta University**.

v. Ayubu Anapapa Okango, Joseph Koske, **Martin Musembi Kasina** and Timothy Kabue (2014) A-D-T Optimal Four Factor Central Composite Design With Application in a Germination Of Melia Volkensii Experiment. 10th Moi International Conference, Tuesday 23rd - Saturday 27th September, 2014 Held at Margaret Thatcher Library, **Moi University-Main Campus, Eldoret, Kenya.**

c) Post graduate Training & Certification

i. February-March 2025: Data Analytics for Decision Making. Physical training at International Statistical Education Centre, Kolkata in INDIA.

ii. January 2022: Data Analytics. Online training by Indian Institute of Public Administration – New Delhi

iii. May 2019: Design of Experiments Practical Button & Oyster mushrooms production course at Eldoret and JKUAT.

iv. October 2018: Resource mobilization and grant writing course by Training Centre in Communication (TCC) at Machakos University.

v. November 2017: Labour relations and negotiation skills at Tom Mboya labour college

vi. November 2015: Quality Management Systems ISO 9001:2015 sensitization & internal quality audit training.

d) Hobbies

i. Coding

ii. Writing.

iii. Community service

e) Referees

[Available upon request]