JEFFAR J. **OBURU**

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Jeffaroburu234@gmail.com

Fervent about encouraging learning and both critical and creative thought, which are best when developed hand in hand. Work happily with colleagues and students to promote an atmosphere perfect for sharing knowledge and learning new ideas.

EXPERIENCE

APRIL 2021– DATE

TUTORIAL FELLOW, JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

Key contributions:
- Teaching and facilitating learning at undergraduate level
- Marking exams, assignments and continuous assessment tests
- Participating in supervision of exams and maintaining proper records of students' examination
- Contributing to departmental through seminars
- Maintaining proper records of students' examination results.

JANUARY 2020 – APRIL 2021

PART-TIME LECTURER, JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

Key contributions:
- Taught and facilitated learning at undergraduate level
- Marked exams, assignments and continuous assessment tests
- Participated in supervision of exams and maintained proper records of students' examination

OCTOBER 2018 – OCTOBER 2019

PART-TIME LECTURER, MASENO UNIVERSITY

Key contributions:
- Taught and facilitated learning at undergraduate level
- Marked exams, assignments and continuous assessment tests
- Participated in supervision of exams
- Maintained proper records of students' examination results

JUNE 2016 – AUGUST 2016

ASSISTANT UNDERWRITER, THE MONARCH INSURANCE COMPANY LIMITED

Key contributions:

- Examined insurance proposals

- Collected background information and assessments of risk
- Analyzed statistical data using specialist computer programs
- Wrote quotes and negotiating the terms with brokers and clients
- Determined premiums
- Decided the wording of policies
- Prepared insurance policy terms and conditions
- Liaised with insurance brokers and customers.

FEBRUARY 2016 – JUNE 2016

DATA ANALYST, KENYA FORESTRY RESEARCH INSTITUTE

Key contributions:
- Used advanced computerized models to extract the data needed
- Removed corrupted data
- Performed initial analysis to assess the quality of the data
- Performed further analysis to determine the meaning of the data
- Performed final analysis to provide additional data screening
- Prepared reports based on analysis and presenting to management

MAY 2013 – AUGUST 2013

HIGH SCHOOL TEACHER, ANDING'O MIXED SECONDARY SCHOOL

Key contributions:
- Successfully improved student participation in the classroom through integration of creative role playing exercises
- Assisted in developing student-led after school tutorial program to teach under-privileged students.
- Collaborated with a team of faculty to develop after school tutorial program for students in need of extra help.
- Organized grade records to increase reference speed.
- Provided key support for library expansion project
- Met with parents to resolve conflicting educational priorities and issues.

APRIL 2012 – AUGUST 2012

MARKETING AGENT, NEO MARKET AGENCY

Key contributions:
- Created effective messaging using language, graphics and market collateral
- Developed partnerships with local businesses to secure third party promotions
- Worked closely with clients to identify their needs and challenges and provide solutions-oriented campaign themes
- Proofed and approved production and printing drafts of promotional materials

EDUCATION

OCTOBER 2020 TO DATE
DOCTOR OF PHILOSOPHY IN APPLIED STATISTICS, JARAMOGI OGINGA ODINGA
UNIVERSITY OF SCIENCE AND TECHNOLOGY

FEBRUARY 2017 – DECEMBER 2019
MASTER OF SCIENCE IN ACTUARIAL SCIENCE, MASENO UNIVERSITY

AUGUST 2012- DECEMBER 2016
BACHELORS OF SCIENCE IN MATHEMATICAL SCIENCES, MASENO UNIVERSITY

FEBRUARY 2008- NOVEMBER2011
KENYA CERTIFICATE OF SECONDARY EDUCATION, WMS SCHOOL

JANUARY 2000 - NOVEMBER 2007
KENYA CERTIFICATE OF PRIMARY EDUCATION, OLYMPIC PRIMARY SCHOOL

SKILLS

- Particularly adept at the creation of a stimulating learning environment for to study in
- Possess a genuine enthusiasm and passion for research
- Knowledge of online learning platforms and how they assist with learning outside of the classroom
- Excellent subject knowledge
- Proficient in the use of new media such as the internet to promote interactive learning
- Admirable ability to maintain high standards of discipline and behavior and maintaining an approachable demeanor
- Willingness to go the extra mile

- Clever use of innovative and resourceful methods to suit the special needs of an individual or group
- Excellent interpersonal and communication skills

WORKSHOPS AND SEMINARS

- **2nd Postgraduate Conference 19th-20th, 2022-** University of Eldoret
- **5TH annual virtual International conference March 24th-25th, 2022 –** Kirinyaga University
- **AIMS Ghana Probability, Analysis and Applications Workshop –** Accra, Ghana, Sept 30th - Oct 4th 2019
- **Improving 1st year Mathematics and Statistics Courses using Digital Technology –** Maseno University, 5th - 9th Aug 2019
- **Research Capacity Building Conference-** Maseno University, 6TH -7TH June, 2019
- **Annual Actuarial Bootcamp –** Maseno University, 25th-26th Feb 2018
- **Annual Actuarial Bootcamp –** Maseno University, 20th-21st feb 2016

PROJECT
ESTIMATING POLICYHOLDER'S ATTRITION USING SURVIVAL ANALYSIS, CASE STUDY OF JUBILEE AND UAP INSURANCES

PUBLICATIONS

1. JEFFAR J. OBURU, R. SIMWA, N.B. OKELO (2020). SURVIVAL ANALYSIS IN ESTIMATION OF ATTRITION RATES AMONG POLICYHOLDERS IN JUBILEE AND UAP INSURANCE COMPANIES, *INTERNATIONAL JOURNAL OF MODERN COMPUTATION, INFORMATION AND COMMUNICATION TECHNOLOGY, PP. 48-55*.

2. N. B. OKELO AND J. OBURU, ON MONOPOLE BUNDLE SYSTEMS OF COMPLEX HYPERMANIFOLDS FOR COMPOSITION OPERATORS, (2022), 1-10. HTTPS://ARXIV.ORG/ABS/2202.04440

3. N. B. OKELO AND J. OBURU, NORM-ATTAINABLE OPERATORS ON INVOLUTIVE STEREOTYPE TUBES WITH ALGEBRAICALLY CONNECTED COMPONENT OF THE IDENTITY, (2022), 1-7. HTTPS://ARXIV.ORG/ABS/4171095

4. JEFFAR J. OBURU AND R.SIMWA., ESTIMATION OF ATTRITION RATES THROUGH SURVIVAL ANALYSIS OF FINANCIAL INSTITUTIONS IN KENYA, GSJ: Volume 8, Issue 3, March 2020, Online: ISSN 2320-9186

REFEREES

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Department of Applied Statistics and Actuarial Science
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