

CURRICULUM VITAE

BIODATA

NAME: **Arori Wilfred Omwansa**
DATE OF BIRTH: **1st Oct. 1975.**
PLACE OF BIRTH: **Kisii.**
NATIONALITY: **Kenyan.**
RELIGION: **Christian.**
MARITAL STATUS: **Married, with 4 children.**
HOME ADDRESS: C/O **P.O. Box 2483 Kisii.**
CURRENT ADDRESS: **C/O DEPARTMENT OF MATHEMATICS, MASENO UNIVERSITY
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PROFILE.

I am a research scientist with high ambition in the field of statistics and related analytical sciences. In statistics, I have hands on knowledge and practical expertise training (as a lecturer), sampling techniques, data collection, analysis, test of hypotheses, and giving interpretations to results and their implication. I also have computer knowledge related to the above-mentioned tasks. I am currently a lecturer in Statistics and IT and I am interested in working in the following areas: Lecturer, Research, Economic modeling, Management, Information Technology and related areas. I am currently undertaking a Ph.D. in Applied Statistics at Maseno University.

EDUCATIONAL BACKGROUND.

UNIVERSITY EDUCATION

POSTGRADUATE STUDIES

➤ **Maseno University** P.O. Box 333, Maseno.
Ph.D. (Applied Statistics) 2008 to 2011 – **Undertaking.**

➤ **Maseno University** P.O. Box 333, Maseno.
M.Sc. (Applied Statistics) 2001 to 2004 where I graduated in March 2004.

UNDERGRADUATE STUDIES

MOI UNIVERSITY. P.O. Box 3900 ELDORET.
B.Sc. (Honors). (*Second Class Honors Upper Division*) In Mathematics (Statistics), Physics and Computer Science in the year 1998.

SECONDARY EDUCATION

St. John's Seminary, Rakwaro P.O. Box 504, Kisii. **K.C.S.E. Mean Grade** (B Plain) certificate attained 1992.

PRIMARY EDUCATION

Kerina Primary School, P.O. Box 39, Nyambunwa via Kisii. **K.C.P.E. Certificate** attained

COMPUTER LITERACY

- Data Management, Ms. Office Packages, Programming in Pascal, C, C++ and Visual Basic, Database software, and statistical software such as SPSS, MINITAB and SAS.

RESEARCH EXPERIENCE

- Research and Seminar in Thin Film Physics at **TRIESTE in ITALY**. (January to April 2000).
- Research in Statistical Modeling of a Benevolent Scheme (2001 - 2004).
- Stochastic Pricing of Insurance premiums. (2005 – 2007).
- Data analyst, Tobacco to Bamboo project. (2009 – 2010).
- Research Assistant Tobacco to Bamboo Project. (Jan 2010 to date).

Papers:

1. **Arori W, and Simwa R (Dr.)** Supervisor, 2003, "Statistical Modeling of A Benevolent Scheme." M.Sc. Thesis in Applied Statistics, Maseno University.
2. **Arori W and Simwa R (Dr.)**, 2006, "Stochastic Pricing of Insurance Premiums." Extract from thesis, unpublished.
3. **Arori W, Kibwage J, K. Netondo G.**, "Growth Models For Bamboo Harvest Prediction", In the process of finalizing.

TEACHING EXPERIENCE.

I have over **Seven** years teaching experience **five** of which I have taught at University - degree level.

TUTORIAL FELLOW, DEPARTMENT OF MATHEMATICS AND APPLIED STATISTICS

Period (JULY 2008 to date)

Maseno University, Dept. of Mathematics and Applied Statistics,
P.O. Box, 333 Maseno.

Responsibilities:

- Lecturing Statistics Units in the Department of Mathematics and applied statistics.
- Setting and Marking examinations.
- Assessing Research Students.

COORDINATOR AND LECTURER, JKUAT PROGRAMMES.

Period (May 2005 to July 2008)

KCA Kisumu Campus, P.O. Box, 3207 Kisumu.

Responsibilities:

- Head, JKUAT – Academic Programs.
- Lecturing JKUAT degree programs (B.Com and B.Sc. Information Technology).
- Supervision of Departmental staff including part-time and fulltime lecturers.
- Overseeing the examination process.
- Formulating and implementation of departmental plans and strategies to make JKUAT programs viable.
- Maintaining Students and staff discipline.
- Preparing and implementing of departmental budgets.
- Advise and participate in hiring and disciplining staff in the department.

Achievements

- Progressively increasing student turnout between January 2007 and May 2008.
- Computerized records of student results.
- High performance of JKUAT students taking B.COM and B.SC IT.
- Awarded as best lecturer of the year in the year 2007.

COURSES I HAVE TAUGHT:

JKUAT (B.COM and B.Sc IT) at KCA - KISUMU

1. *Operations Research I and II.*
2. *Quantitative techniques.*
3. *Business Statistics.*
4. *Advanced Business Statistics.*
5. *Business Systems Modeling.*
6. *Management mathematics.*
7. *Research methodology.*
8. *Probability and Statistics I and II.*
9. *Fundamentals of Computer Systems.*
10. *Mathematics for Science.*
11. *Object oriented Programming.*
12. *Data Structures and Algorithms.*
13. *Design and Analysis of Algorithms.*
14. *Electronics and Digital Electronics.*
15. *Application Programming I & II.*
16. *Introduction to programming and Algorithms.*
17. *Operating Systems I*
18. *Commercial Programming.*
19. *Project.*

*I have also assessed both **Diploma** and **Degree** students on attachment. Further, I have assisted many **Masters** Students in research conduction and analysis.*

PART-TIME LECTURER, MASENO UNIVERSITY.

Period (June 2005 to June 2008)

Responsibilities:

- Lecturing Statistics units in the Department of Mathematics and applied statistics.
- Setting and Marking examinations.

Achievements

Vast experience in teaching the following units:

- *Stochastic Decision Models I and II.*
- *Statistical Modeling.*
- *Operations Research.*
- *Mathematical Modeling.*
- *Sample Surveys I and II.*
- *Linear Models and Forecasting.*
- *Further Sample Survey Methods.*
- *Computer Programming.*
- *Modeling of Business Systems.*
- *Advanced Probability and Statistics.*

KISII PROGRESSIVE HIGH SCHOOL.

Period (January to December 1999)

Responsibilities:

- Head of Computer Science Department.
- Supervising Departmental Teachers.
- Setting and marking examinations.
- Teacher in Physics and Mathematics and Computer science.

Achievements

- Introduced the computer science unit in the school.

ST. CHARLES LWANGA GESERO SECONDARY SCHOOL.

Period (July to December 1998)

Responsibilities:

- Head of Science Department.
- Supervising Departmental Teachers.
- Budgeting and equipping Labs.
- Setting and marking examinations.
- Teacher in Physics and Mathematics.

Achievements

- The School topped the District in KCSE (physical sciences) during my tenure.
- A Lab and Its facilities were introduced under my guidance.

CONSULTANT STATISTICIAN

Period (Jan 2001 to date)

Responsibilities:

- Advising on statistical research and data collection.

- Data analysis.
- Advising Research students on thesis writing.

Achievements

- Many students have earned their Undergraduate and Master's degrees after advice and assistance from me.
- Collected and analyzed data for Maseno University Tobacco to Bamboo Project.

AMBITION: To attain a PhD in Statistics, and formulate new theories in Statistics.

HOBBIES

I play Table Tennis and Basketball. I enjoy listening to music, watching football and surfing the Internet. I also like traveling and keeping informed of current scientific and economic affairs.

REFEREES:

1. Prof. John O. Agure.
Dean, Faculty of Science,
Maseno University,
Private bag,
MASENO.
2. Prof. Shem Aywa.
Masinde Muliro University,
P.O. Box 190, KAKAMEGA.
Tel. 0722 478630 Email: shemaywa2000@yahoo.com
3. Prof. Richard O. Simwa.
Department of Applied Statistics.
University of Nairobi, Chiromo Campus,
Tel. 0722771902 Email: rsimwa@yahoo.co.uk
4. Prof. Jacob Kibwage.
South Eastern University College
(A Constituent College of University Of Nairobi)
School of Forestry and Environmental Sciences
Tel. 0722479061 email: jkibwage@yahoo.com