

*A theory has only the alternative of being right or wrong. A model has a third probability: it may be right, but irrelevant*  
**Jadish Mehra**

### Education

- 2021–2024 **Bsc Statistics and Actuarial Science**, *Dedan Kimathi University of Technology*, Nyeri  
Statistics Background and Statistical Modeling using R and Python
- 2024 **Data Science Summer School and Workshop**, *Data Science Africa Africa*, Nyeri  
Data science for social good, Computer Vision Data collection, extraction of features and modeling
- 2021–2021 **Cisco Certified Network Association**, *Jomo Kenyatta University of agriculture and Technology*, Kiambu  
Basic Networking and Network Visualization
- 2016–2019 **Certificate of Secondary Education Kenya**, *Utumishi Academy*, Gilgil  
Secondary certificate and Computer background
- 2008–2015 **Certificate of Primary Education Kenya**, *Complex Primary School*, Mumias  
Primary certificate

### Degree thesis

- title Modeling the Recovery Time of Stock Prices using Accelerated Failure Time Model
- z supervisors Dr. Mundia
- description Using statistical survival models to model the survival time of medical condition to be prevalent is widely used by medical researchers. We thought of using the same concept but this time to assess the effects of covariates on recovery time of stocks in Kenyan stocks. The hazard rates were not proportional so we opted for non proportion hazard model which is AFT

### Experience

#### Vocational

- 2023–2024 **Risk Management and Internal Audit**, *National Social Security Fund*, Nairobi  
Utilized Benford's law in fraud detection. Used IDEA software, R and Excel to analyze Audit data. Also made compliance files and was involved in writing reports of respective field.
- 2022–Present **Freelance**, *Freelancer*, Nyeri  
Used both R, SPSS and Python to carry out test of hypothesis, generalized models, Bayesian models, Gradient Boosting Models, Neural Networks and others.

Nyeri-Mweiga Road – P.O Box 657-10100 Nyeri – Kenya

📞 +254702 499 673 • ✉ [sgathuh@gmail.com](mailto:sgathuh@gmail.com) • 🌐 In Progress  
in [gathu-simon-82a275199/](https://www.linkedin.com/in/gathu-simon-82a275199/) • 🗣 Gathuh

## Miscellaneous

2019–2021 **Printing Shop**, *Fastnet Cyber*, Nanyuki  
Learnt how to handle documents, Printing, Bindig,

## Languages

Kiswahili	Proficient	<i>Favourite</i>
English	Proficient	<i>Reading</i>
Gikuyu	Proficient	<i>Lingual</i>

## Skills

R	Proficient in statistical Program- ming	Proficient	Data Visualization
Python	Proficient in Machine learning	Good	Web scrapping
SPSS	Statistical Inferencing	Category 6	Comment

## Interests

Watching Documen- taries	Description
Nature Walk	Description
Hobby 3	Description

## Projects

- Forecasting the stock prices of NSE-listed Companies using GARCH Extensions.
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- Built a predictive model using logistic regression to estimate the probability of customer churn.

## Extra Curricular Activities

- Member f Data Science Africa
- Participated in 2021 Nationals at UON and emerged as winners.
- Actuarial Club
- Data Science Society DSAIC (Tutor)

## References

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**in** [gathu-simon-82a275199/](#) • 🗣 *Gathuh*

**Name:** Dr. Omari Cyprian  
**Position:** Chairman  
**Company:** BSc Statistics and Actuarial Science, Dedan Ki-mathi University of Technology  
**Contact:** +254 722 616 725  
**Email:** cyomari@dkut.ac.ke

**Name:** Julius Miheso  
**Position:** Internal Auditor  
**Company:** NSSF  
**Contact:** +254 720 652 682  
**Email:** atsiaya80@gmail.com

**Name:** Gideon Ngome  
**Position:** Risk Manager  
**Company:** NSSF  
**Contact:** +254 746 595 822  
**Email:** ngomegideon@yahoo.com