DAN MUNGAI

Currently working with the Kenya Fisheries Service as a fisheries officer

MSC candidate at Kisii University studying Fisheries Management

🎓 EDUCATION

2016

Egerton University
B.S. in Applied Aquatic Sciences 📍 Njoro, Kenya

Thesis: Investigation of the Microbial water quality of Egerton University Main Campus

2021

Kisii University
M.S. in Fisheries Management 📍 Kisii, Kenya

Thesis: Modelling the Impacts of Fishing on Trophic Interactions in Lake Victoria Using the Ecotroph Model

💻 RESEARCH EXPERIENCE

2018 | 2019

Graduate Research Assistant
Kenya Marine and Fisheries Research Institute 📍 Kisumu, Kenya
- Performed computational biology research towards understanding fisheries reasearch and management in Lake Victoria
- The impacts of fishing on trophic interactions

💼 PROFESSIONAL EXPERIENCE

2018 | 2019

Kisii University
Teaching Fisheries Management concepts and Fish Nutrition
📍 Kisii, Kenya

2019

Content Supervisor
KNBS 📍 Kiambu, Kenya
- Supervising data enumerators

2015 | 2016

Data Entry Clerk
Minstry Agriculture-Kiambu County 📍 Thika, kenya
- Analyzed whole-exome sequencing data.
- Wrote analysis pipelines of ChIP-seq, single cell DNA-seq and single cell RNA-seq.
- Studied tumor metastasis and wrote research reports.
- Also did case studies to identify the genetic defect causing rare disease.

CONTACT INFO

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🐙 github.com/DanMungai1

📞 +254 713-946-813

For more information, please contact me via email.

SKILLS

Experienced in statistical analysis, statistical learning models, and optimization methods.

Highly skilled in R, SPSS, Excel, QGis, ArcGis

TEACHING EXPERIENCE

2014

Introduction to R Language for Beginners.
Instructor of R and Data Mining Training Courses at SupStat Inc.

♀ Beijing, China

2016
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2017

Computational Biology and Bioinformatics.
Teaching assistant of GBS CB2-201 courses at UAB   ♀ AL, USA

SELECTED PUBLICATIONS AND POSTERS

2019

Ecotroph: A Simple Model to Asses the Impacts of Fishing on Trophic Interactions in Lake Victoria
Journal of Fisheries and Aquatic Studies ♀ Daniel Mungai et.,all, Kenya