

Ian Kibet Leboo

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Career Objective

I am a professional statistician passionate in studying, formulating and implementation of systems that encourage institutions to be data driven. I am well trained in data collection techniques as well as analysis using statistical tools such as **SPSS, STATA, R and Excel**, thereby effectively interpreting key indicators that influence decision making. My effective communication skills do set me up to effectively relay information to clients, survey and teams as well as respective management. I am looking for an avenue to utilize my statistics skills and open up into the analytics fields.

Core skills

- MS. Excel
- Experimental Design
- Data Mining
- Proficiency in statistical tools (R, SPSS and STATA)
- Survey Design
- KOBO Collect
- Data Visualization
- M&E

Work Experience

Research Assistant

November 2022 to Present

Center for International Health Education and Bio-Safety Kenya (CIHEB-K)

Roles and Achievements

- Conducting data collection using guided Standard Operating procedures developed by the program; Technical Assistance to Ready and Accelerate Capacities of Health Programs Kenya (TRACK).
- Collaborated with colleague research assistants to conduct data collection among the study population in Siaya county.
- Conducting and facilitating Focus Group Discussion (FDG's) among targeted population.
- Ensuring data quality assurance standards are upheld for the data collected from surveys as prescribed by study protocols.
- Conducted Key Informative Interviews and performed transcription as required by the project coordinator.

Waiter

GR Restaurant, Biashara Street Nairobi

October 2021 to January 2022

Roles and Achievements

- Serving customers. Managed training in POS equipment for 4 new hires, offering continuous guidance and best practices while providing constructive feedback.
- Advocated for the digitization of the inventory management through the full utilization of the POS database. This in turn increased accountability of items issued and used by staff within the restaurant and minimized wastage.

July 2021 to September 2021

National Public Health Laboratories, Kenyatta National Hospital Grounds Nairobi;

- National Tuberculosis Reference Lab
- National HIV Reference Lab
- Monitoring and Evaluation Department

Roles and Achievements

- Tasked with data entry and conversion of raw patients' data at the National TB and HIV Reference Labs, Covid-19 tests data. Here, I was able to work with data entry teams to reduce weeks of backlogs by developing and reviewing **sample templates** for new interns as well as for weekly reports.
- Analyzed turnaround times for samples, testing trends, suppression rates.
- Reviewing of laboratory requisition forms.
- Analysis of weekly Covid-19 data, preparing daily and weekly reports of Covid-19 cases, producing quantitative summary statistics and designing predictive models that were used to design interventions by the Ministry of Health Department of Public Health.
- Data mining from partners dashboards such as NASCOP and KEMRI.
- Summarizing clinical trials Excel and STATA worksheets from the National Oncology Reference Lab.
- Providing interpreting to results with respect to test indicators and using inferential and hypothesis tests to back test conclusions generated from the laboratories.

Education Experience

2017-2022- Bachelor of Science in Applied Statistics with Computing	Moi University
2013-2016- Kenya Certificate of Secondary Education	Emining Secondary School

Projects and Personal Achievements

Project 1: Personal Portfolio and blog

- Designed a personal portfolio hosted on GitHub, on which I write on topics of statistics and data science. <https://statisticianleboo.github.io>
- Medium blog post. I write explaining statistical procedures in simpler language and provide tutorials using statistical software such as R. <https://link.medium.com/ucRjfmPGBrb>. I have 10 articles so far including a series on design of experiments with R tutorials.

Project 2: Survey on Industrial Attachment

Duration 3 months.

Tools: R, Ms. Excel, Tableau, Ms. Word and Google Forms

- This was a project to monitor the effectiveness of the industrial attachment program for the academic year 2020/2021 Moi University School of Sciences and Aerospace Studies.
- The /18 cohort was used as the subject of study

- Establish that the program was highly effective with 85% of the students reporting to have applied the classwork in the places they were attached.

<https://statisticianleboo.github.io/2022/09/23/INDUSTRIAL-ATTACHMENT-SURVEY-2021.html>

Project 3: Collaborative Academic Research Project for final year.

ANALYSIS OF KENYA'S COVID-19 USING THE SIR MODEL

Tools: R, Ms. Excel, Ms. Powerpoint and Ms. Word.

- Built an epidemiological model for Kenya's COVID-19 infections and recoveries for the period March 2020 to August 2021.
- Developed a 4-month prediction for the infection rate for the rest of 2021 period.

<https://docs.google.com/document/d/15RNibKuz8gMWe09g0ebFcm7TYcNZlG7v/edit?usp=sharing&ouid=104775518594203400340&rtpof=true&sd=true>

Project 4: Collaborative Academic Research Project for final year.

STATISTICAL ANALYSIS OF FAMILY PLANNING METHODS USING PMA 2018 DATA. (A CASE STUDY OF 11 COUNTIES IN KENYA).

Tools: R, Ms. Excel, Ms. PowerPoint and Ms. Word.

- Designed the project for my classmates researching the current state of family planning methods used by women in Kenya aged 15-49 using the PMA data survey of 2018.

<https://statisticianleboo.github.io/2022/08/10/PMA-ANALYSIS.html>

Referees

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