Ian Kibet Leboo
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Career Objective

I am a professional statistician well canvased with concepts of sampling and experimental design, hypothesis testing, operation research, biometry analysis and time series analysis. 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
- Survival Analysis
- Experimental Design
- Data Mining
- Proficiency in statistical tools (R, SPSS and STATA)
- Time Series
- Survey Design
- Ms. Access and SQL

Work Experience

| Waiter | GR Restaurant, Biashara Street Nairobi | October 2021 to January 2022 |

Roles and Achievements

- Serving customers
- Updating menus on the POS.
- Reduced serving time by 50% by quickly establishing customer relationships that enabled me to communicate available foods and helping them decide quickly.
- Trained new staff on how to use the Point of Sale Equipment.
- Tabulation of book of accounts mostly daily journals of expenses and cash flows.
- 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.

| Statistics Intern | | 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 **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

   Expected Graduation December 2022

2013-2016- **Kenya Certificate of Secondary Education**   Emining Secondary School

   B+ 72 Points

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 9 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.

- Was able to lead my group to conduct the research study and attain an overall grade of A on the project.
- Built and 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=10477551859420340&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.
- The academic project earned the classmates an overall grade of B.

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

Referees

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