

## CURRICULUM VITAE

MARTIN DUDI OTIENO

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### PERSONAL DETAILS

- **NAME:** MARTIN DUDI OTIENO
- **NATIONALITY:** Kenyan
- **LANGUAGES:** English, Kiswahili, and Luo

### CAREER OBJECTIVES

I am a data enthusiast with an unwavering commitment to continuous learning and an innate ability to apply common sense when translating raw data into actionable business insights. My skill set encompasses the complete data lifecycle: from proficiently collecting, meticulously analyzing, and astutely interpreting data to crafting and implementing machine learning algorithms. I excel in the realm of data management, with a keen eye for detail and the flexibility to thrive both in collaborative team environments and as an independent contributor.

My extensive knowledge spans programming, statistics, analytics, and data analysis, allowing me to tackle complex data challenges with confidence. I am deeply passionate about leveraging the boundless potential of data and cutting-edge AI technology to shape a better and more convenient future. My mission is to harness the power of data to drive innovation and deliver tangible results for organizations and society at large

### EDUCATION BACKGROUND

- **Moringa School – Nairobi, Kenya**
- Data Science Bootcamp | April 2023 - October 2023
- Developed expertise in data preprocessing, exploratory data analysis, machine learning, and data visualization.
- Successfully completed projects involving real-world datasets to solve business challenges.
- Gained proficiency in programming languages such as Python and R.
- **Kabarak University – Nakuru, Kenya**
- Bachelor of Science in Actuarial Science | September 2019 - December 2023 (Expected Graduation)

- In-depth coursework in mathematics, statistics, risk assessment, and financial modeling.
- Focused on applying mathematical and statistical methods to analyze and solve complex financial problems.
- Honed skills in using actuarial software and tools for data analysis and modeling.
- **Maseno School – Maseno, Kenya**
- Kenya Certificate of Secondary Education (KCSE) | Graduated in [2018]
- Achieved a B grade, demonstrating strong academic performance and commitment to education.
- Participated in extracurricular activities, showcasing leadership and teamwork abilities.

#### SHORT COURSES

- **Great Learning | September to December 2022**
- Data Science Packages

#### WORK EXPERIENCE

- **CIC Insurance Group – Nairobi, Kenya**
- Under Policy Administration (Individual Life Insurance) | January 2023 - April 2023
  - Contributed to the efficient management and administration of policies within the Individual Life Insurance division.
  - Collaborated with cross-functional teams to ensure accurate policy documentation and customer service.
  - Gained insights into insurance processes and procedures, enhancing knowledge of the insurance industry.

#### Responsibilities:

- Preparing and reviewing insurance claim forms and related documents for completeness.
- Organizing and working with detailed warehouse records using computers to enter, access, search, and retrieve data.
- Calculating amounts of claims and pensions.
- Constantly contacting insured or other involved persons to obtain missing information.
- Posting information to claim files.

- Transmitting claims for payments or investigation.

#### **Accomplishments:**

- Worked directly with insurance carriers, healthcare providers, and patients to get claims processed and paid.
- Answered patient billing questions and handled any discrepancies.
- We established and solidified client relationships through high-quality customer service.

#### **RESEARCH EXPERIENCE (PROJECTS)**

Successfully completed projects at Moringa School:

1. **House Price Prediction:** [Link to Project](#)

- Utilized machine learning techniques to predict house prices based on various features.

2. **Life Expectancy Prediction:** [Link to Project](#)

- Developed predictive models to estimate life expectancy based on relevant factors.

3. **Movie Performance at Box Office:** [Link to Project](#)

- Analyzed movie data to predict and assess box office performance.

4. **Market Analysis Dashboard (Power BI):**

- Developed an interactive Power BI dashboard to visualize market trends, competitor performance, and customer preferences, assisting senior management in strategic decision-making.
- Implemented calculated fields and parameters in Power BI to allow users to customize views based on specific criteria.

5. **Movie Recommendation System:** [Link to Project](#)

- Created a recommendation system for movies based on user preferences and historical data, enhancing user experience and engagement.

#### **SKILLS**

- **Data Analysis:** Data preprocessing, feature engineering, exploratory data analysis.
- **Machine Learning:** Regression, classification, clustering, and model evaluation.
- **Programming:** Proficient in Python, R, Apache Spark, and Hadoop for Big Data.

- **Tools:** Familiarity with libraries such as Pandas, NumPy, Scikit-learn, Matplotlib, Excel, Tableau, and Power BI.
- **Actuarial Science:** Risk assessment, financial modeling, actuarial software.
- **Communication:** Clear verbal and written communication skills.
- **Teamwork:** Collaborative and effective team player.

#### LEADERSHIP POSITIONS

- **Maseno School - Senior Mathematics Captain and Chairperson Mathematics Club | May 2017 to November 2018**
- **Kabarak University - Organizing Secretary Kabarak University Actuarial Science Student Society | May 2022 to December 2023**

#### REFERENCES

- **MR MARKSON RUGUT**
- Kabarak University
- Email: [Rugutmarkson@gmail.com](mailto:Rugutmarkson@gmail.com)
- **DR PETER RUGIRI**
- Kabarak University
- Email: [PRugiri@kabarak.ac.ke](mailto:PRugiri@kabarak.ac.ke)
- **KEVIN ONDARA**
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