

Antonio Rungo



EDUCATION

2011
|
2013

Master in Statistics: Biostatistics

Hasselt University

📍 Diepenbek, Belgium

- **Dissertation:** Assessing the health related quality of life in Flanders and the possible factors influencing it
- **Supervisor:**
 - Internal: [Prof. dr. Niel Hens](#)
 - External: [Dr. Joke Bilcke](#)

2004
|
2009

Bachelor degree in Statistics

Eduardo Mondlane University

📍 Maputo, MZ

- **Dissertation:** Comparative Analysis on Time Series Models Applied in Monthly Precipitation Forecast: The Case of Cuamba District.
- **Supervisor:** [Dra. Rafica Abdul Razac](#)

1998
|
2000

Trained in health as Clinical Officer

Ministry of Health, Mozambique

📍 Inhambane, Chichuque

- Chichuque Health Training Center



RESEARCH PROJECTS

2016

Successfully achieved projects

UNFPA

📍 Maputo, MZ

- Implemented data management system in real time - online - using the ODK to collect routine data in health facilities where the VMMC program is running. This data is uploaded to the server, where the Ministry of Health at central, provincial and district level can access this data to different types of analysis for decision making.
- Implemented data collection tool using CommCare for External Data Quality Assessment during the quarterly assessment visits



TEACHING EXPERIENCE

2014
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Currently

Teaching Assistant

UEM- Faculty of Medicine

📍 Maputo, MZ

- Course: Biostatistics for Master Students in Public Health;

2019

Teaching Assistant

ISCISA

📍 Maputo, MZ

- Course: Introduction to Biostatistics for Master Students in Statistics and Planning

2010

Teaching Assistant

ISCISA

📍 Maputo, MZ

- Course: Demography and Biostatistics

2010

Teaching Assistant

UEM- Faculty of Medicine

📍 Maputo, MZ



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SUMMARY



A highly motivated and enthusiastic Statistician with outstanding research skills and data management incorporating applied skills in data base design, electronic data base for mobiles and tablets, analysis (using various statistical software packages), reporting and presentation of results as well as additional training and applied skills in Monitoring and Evaluation.



R enthusiast.

Python enthusiast.

This resume was made with the R package [pagedown](#).

Last updated on 2020-08-10. The most recent version of this resume is [available here](#).

• Course: EpiInfo Software for the Master Students in Public Health

19-Mar

Trainer

Zambezi Agency

📍 Tete MZ

- Course: Statistical Analysis using SPSS - "Support for Inclusive and Sustainable Development of the Zambezi Valley phase II" for the Zambezi Agency in Tete;



WORKING EXPERIENCE

2014
|
Currently

Senior Strategic Information Advisor

[mothers2mothers](#)

📍 Maputo, MZ

- Designed, managed and oversee the implementation of M&E for m2m Mozambique Programme through thought leadership, system developm
- Lead the development and execution of a country-assessment process and tools to identify strengths and address weaknesses in the M&E System of the MPM Programme in Mozambique.
- Lead the training of in-country Government staff and MPM Implementing Partners to administer and use the new or revised routine MPM M&E tools and systems
- Manage and oversee all routine and ad-hoc reporting on m2m Mozambique Programme
- In collaboration with the M&E Advisor at m2m Head Office, ensure that high quality data are consistently generated across all components of the m2m Mozambique Programme

9-Feb
|
9-Sep

Research Assistant

[Population Service International- PSI Mozambique](#)

📍 Maputo, MZ

- Coordinated the field work in the study of behavior and attitudes in mosquito net use, conducted in Maputo, Inhambane and Zambezia provinces from April to June in 2009;
- Coordinated the field work in the study about the availability of condom use and water cleaning product, conducted in Maputo, Gaza, Inhambane, Sofala and Manica from June to September in 2009;
- Trained enumerators and supervisors for the field work;
- Trained supervisor on mapping and listing for sample selection in the field;
- Performed coding on electronic questionnaire using PDA (Personal Digital Assistant);
- Developed databases and supervision in data entry;
- Conducted data cleaning and data analysis of different studies;
- Report writing.

2000
|
2004

Clinical Officer, working on health facility

Ministry of Health, Mozambique

📍 Maputo, MZ

- Worked as clinical officer, screening of adults and children with different diseases at Xipamanine and Maxaquene Health Center;
- Worked at Emergency Unit at General Hospital of Mavalane.

16-Dec
|
18-Nov

M&E advisor

[Global Programs for Research and Training, UCSF Mozambique](#)

📍 Maputo, MZ

- Contributed to the identification and monitoring of relevant M&E indicators as well as the development of work plans, M&E plan and protocols;

SKILLS



R-Studio



Tableau

SAS, SPSS

ODK

LaTeX



- Developed, adapted and / or examined the Monitoring and Evaluation tools;
- Supported internal Data Quality Assessment (iDQA) by Implementing Partners (IPs);
- Provided Technical Assistance to transition iDQA to MISAU
- Collaborated with IT teams to develop tools to support routine monitoring of programs;
- Developed the CQI (Continuous Quality Improvement) dashboard and support of CQI data use
- Provided Technical Assistance (TA) to advance national routine data quality assessment and improvement efforts
- Conceptualized and developed M&E programmatic reports to be included in real-time dynamic dashboards (potential areas: PMTCT, CQI, QI and DQA);
- Supported provincial health authorities to conduct internal DQA at the health facility for continuous improvement in the quality of HIV service delivery, data use and decision making among others;
- Developed a training curriculum and support materials;
- Managed and conducted in-depth M&E database analyzes using statistical software.

15-Jun
|
16-Dec

● **Voluntary Medical Male Circumcision (VMMC) Project Manager and Data Analyst**

[International Training and Education Center for Health \(I-TECH\)](#)
[Mozambique](#)

📍 Maputo, MZ

- Performed in coordination with MOH, external quality assurance (EQA) visits to priority VMMC sites and develop action plans for each site;
- Provided direct support for Data Management at National VMMC Program on M&E system;
- Provided TA to National VMMC Program to collect, store, analyze and report routine and EQA data from all sites;
- Provided TA in the development and monitoring of provincial and district Demand Creation (DC) work plans;
- Performed data analysis in different projects;
- Conceptualized statistical reports.

14-Apr
|
15-May

● **Senior Database Manager and Data Analyst**

[International Training and Education Center for Health \(I-TECH\)](#)
[Mozambique](#)

📍 Maputo, MZ

- Led the process of revision of data collection tools;
- Developed forms on mobile data collection, questionnaire scripting, training and implementation of the e-data collection;
- Managed data collection using tablets;
- Assisted in the development of standard operational procedures for data collection in all programs;
- Supervised a team of data collection through site visits using tablets;
- Supported staff programs in data analysis and project evaluation of operational research framework;
- Performed statistical analysis in different projects;
- With the support of the clinicians and other data users, to participate in identifying the information required for data collection;
- Coordinated with the MoH and ensure that plans for data collection, data entry and reporting are aligned with the MoH prospects;
- Managed and coordinated the evaluation and monitoring activities to assess the quality of data;
- Coordinated with the programs the process of data analysis;
- Collaborated with implementing partners;

- Provided feedback on the result of external data quality assessment;
- Developed action plans for data quality assurance activities of programs;
- Ensured proper storage of data and to perform the more complex data analysis in the various programs underway in the I-TECH;
- Conceptualized statistical reports.

10-Sep
|
11-Oct

Database Manager

International Training and Education Center for Health (I-TECH)
Mozambique

📍 Maputo, MZ

- Developed databases for data entry;
- Conducted data analysis and reports;
- Provided timely information to report in PTO, SAPR, APR through Train SMART platform;
- Developed tools for data collecting in operational research;

9-Oct
|
10-Aug

Monitoring & Evaluation and Data Manager

Research Unit in Health Systems, National Institute of Health,
Maputo, Mozambique

📍 Maputo, MZ

- Performed statistical analysis;
- Developed database for different study;
- Report writing.



CONSULTANCIES

2019

Data Analyst

MAP Management and Governance

📍 Maputo, MZ

- Database Development and Data Analysis on the Second Mozambique Evaluation in the African Coupling Review Mechanism

2018

Data analyst and reporting services

Counterpart International

📍 Maputo, MZ

- Developed a data analysis and reporting strategy (including sample visualizations) based on the election monitoring methodology adopted by the PCBG election project, the ELMO data collection platform and ODK form submission smartphone/tablet app
- Provided support to the Senior Elections Specialist in making recommendations for updates to the ELMO platform in accordance with data analysis and reporting requirements
- Provided support to the Senior Elections Specialist in implementation of ELMO and other data tool access protocols to ensure that data cleaning, analysis, reporting and visualization are secure and that the privacy of informants as well as data collectors is protected
- Updated, published and pre-tested all questionnaires in ELMO/ODK to be used by monitors in the campaign, election day, post-election and incident events, as well as data collection associated with dispute resolution activities
- Created report templates and data visualizations based on FAQ-type requests, for ease of use by Counterpart, MONITOR secretariat and monitor coordinators
- Reviewed, analyzed and developed visualizations of data collected during the 2019 voter registration process as contribution to reports
- Reviewed, analyzed and developed visualizations on the campaign, election day, post-election and incident events, as well as data collection associated with dispute resolution activities, on a schedule to be agreed by the Counterpart elections team and the MONITOR secretariat

LANGUAGES

Portuguese: Native

English: Proficient

CONTACT INFO



tony.niquisse@gmail.com



Twitter: @aniquisse



GitHub: @anrungo



in LinkedIn



antoniorungo.com

For more information,
please contact me via
email.

- Developed and implemented a training module for monitors on data collection and forms submission;
- Developed and implemented a training module for MONITOR election monitor coordinators in the use of ELMO for preliminary data analysis, monitor supervision, and report generation
- Developed other reports and visualizations upon request by the Counterpart elections team and the MONITOR project
- Prepare a brief how-to guide on the use of data analysis tools and visualizations for similar projects based on the MONITOR experience
- Contribute to PCBG project lessons learned or other evaluative exercises
- Prepare a final project report

2018

● **Data Analyst Baseline Survey For Emergency Food Security**

Kixiquila Research and Consultancy Services

📍 Maputo, MZ

- Data Analysis on Outcome Monitoring (Baseline) Survey For Emergency Food Security and Recovery Program for vulnerable People Affected by Drought in Gaza and Inhambane Provinces of Mozambique

2018

● **ODK Forms Developer for Android**

UNFPA - Mozambique

📍 Maputo, MZ

- Developed electronic questionnaire based on mobile data collection to collect data in research on Knowledge, Attitudes and Practices of Youth for Sexual and Reproductive Health and Study Program Base "Action for Girls" during the baseline and end-line in Zambezia and Nampula provinces.
- Developed Real Time Monitoring System, a web-based application, cloud hosted which support conventional data input and output, based on mobile data collection technology such as ODK, for BIZ Generation Program
- Developed Real Time Monitoring System, a web-based application, cloud hosted which support conventional data input and output, based on mobile data collection technology such as ODK, for KIMCHI program in Cabo Delgado. On this program, the maternal health nurses from 64 health facilities with maternity wards from 8 districts prepare and submit a weekly report of selected indicators to be monitored at district, provincial and national level.

2015

● **Data Analyst**

ICRH-M - The International Centre for Reproductive Health in Mozambique

📍 Maputo, MZ

- Trained ICRH staff on statistics contents: Introduction to Statistics, Sampling and Calculation of Sample Size, Analysis and Interpretation of Data, Database Development using Epidata, Database export to different environment of analysis, SPSS use for Data Management, cleaning and analysis;
- Trained ICRH staff for the use of digital platforms to collect data electronically using Smartphone and/or tablets;
- Conducted data analysis and report of baseline study on - Knowledge, Attitudes, Practices and Behaviour in communities members related to family planning in Manhica and Marracuene districts


2015

● **Data Analyst**

SIITRI (Science Innovation Information and Communication Technology Research Institute)


📍 Maputo, MZ

- Conducted data analysis and conceptualized a report writing on "Women's Rights Online" in the peri-urban areas of Maputo, Mozambique.

- 2014 ● **Data Analyst on Outcome Monitoring (Baseline) Survey For Emergency Food Security**
Kixiquila Research and Consultancy Services  Maputo, MZ
 · Conducted data cleaning, sample weights, statistical analysis and to conceptualize the report on PAGE-M project on midline study.
- 2014 ● **Data Analyst**
[Population Service International- PSI Mozambique](#)  Maputo, MZ
 · Provided data analysis and report writing for the End-line project on Analysis and Evaluation of needs for the Kenmare Health Program, Moma district in Nampula.
- 2014 ● **Data Analyst**
Kixiquila Research and Consultancy Services  Maputo, MZ
 · Developed database for data collection in households and school on Girls Education Challenges in Manica province under VSO (Voluntary Services Overseas) project;
 · Conducted training for data clerks and mentored data entry
 · Performed data cleaning, data analysis and produced report
- 2011 ● **Data Analyst**
CESP - Public Health Consultants  Maputo, MZ
 · Developed databases on different studies conducted by the organizations
 · Trained and mentored data clerks on data entry
 · Performed data cleaning on databases and statistical analysis and report writing.



POSTER PRESENTATIONS








- 2015 ● **15th Healthy Days**
MOH & National Institute of Health  Maputo, MZ
 · Awarded in 3rd place as the best poster on VMMC Quality Assessment at the 15th Health Days held by MOH.



WORKSHOPS ATTENDED

- 2017 ● **Data Quality Assessment & Continuous Quality Improvevemt**
Global Programs & MOH  Maputo, MZ
 · Workshop in Portuguese
- 2015 ● **External Data Quality Assessment**
I-TECH & MOH  Maputo, MZ
 · Workshop in Portuguese
- 2010 ● **Introduction in economic evaluation of health programs**
National Institute of Health (NIH) in Mozambique and ICF Macro International  Maputo, MZ
 · Workshop in Portuguese
- 2010 ● **Sampling Techniques and Survey**
Eduardo Mondlane University and Hasselt University  Maputo, MZ
 · Workshop in Portuguese
- 2009 ● **Research Methodology**

• Workshop in Portuguese

- 2009 • **Good Clinical Practice**
NIH and FioCruz from Brazil
• Workshop in Portuguese  Maputo, MZ
- 2009 • **Methods to estimate the size of populations at high risk for HIV infection**
CDC, NIH and ONUSIDA
• Workshop in Portuguese  Maputo, MZ
- 2008 • **Monitoring and Evaluation**
PSI
• Workshop in Portuguese  Maputo, MZ
- 2008 • **Research Ethics for Community representatives**
PSI
• Workshop in Portuguese  Maputo, MZ
- 2008 • **Personal Digital Assistant - PDA**
PSI
• Workshop in Portuguese  Maputo, MZ
- 2008 • **Mapping and Listing for selection of the sample**
PSI
• Workshop in Portuguese  Maputo, MZ
- 2008 • **Geographical position System (GPS)**
PSI
• Workshop in Portuguese  Maputo, MZ





EVENTS ATTENDED











- 13-Nov • **International Hexa-Symposium on Biostatistics, Bioinformatics, and Epidemiology**
Hasselt University
• Graduate Program in Biostatistics  Diepenbeek, BE








SHORT COURSES ATTENDED

- 2019 • **SQL - Introduction to Databases and SQL Querying**
Udemy
• 2.5h - [Certificate](#)  Online
- 2019 • **SQL - Learn ETL using SSIS**
Udemy
• 1.5h - [Certificate](#)  Online
- 2019 • **SQL - Learn SSRS Reporting**
Udemy
• 1.5h - [Certificate](#)  Online
- 2019 • **SQL - Microsoft SQL Server Reporting Services (SSRS)**
Udemy  Online

- 6h - [Certificate](#)
- Data Science Specialization

2019	<ul style="list-style-type: none">• SQL - Advanced Databases and SQL Querying Udemy  Online<ul style="list-style-type: none">• 3.5h - Certificate
2019	<ul style="list-style-type: none">• SQL & Python - The Complete Python & PostgreSQL Developer Course Udemy  Online<ul style="list-style-type: none">• 22h - Certificate• Data Science Specialization
2019	<ul style="list-style-type: none">• Python - Data Visualization with Plotly and Python Udemy  Online<ul style="list-style-type: none">• 23h - Certificate• Data Science Specialization
2019	<ul style="list-style-type: none">• Python - Spark and Python for Big Data with PySpark Udemy  Online<ul style="list-style-type: none">• 10.5h - Certificate• Data Science Specialization
2019	<ul style="list-style-type: none">• Tableau - Tableau Tutorial for Beginners Udemy  Online<ul style="list-style-type: none">• 2.5h - Certificate• Data Science Specialization
2019	<ul style="list-style-type: none">• Tableau - Tableau for Beginners: Get QA Certified, Grow Your Career Udemy  Online<ul style="list-style-type: none">• 4.5h - Certificate• Data Science Specialization
2019	<ul style="list-style-type: none">• Tableau - Tableau 10 A-Z: Hands-On Tableau Training For Data Science Udemy  Online<ul style="list-style-type: none">• 7.5h - Certificate• Data Science Specialization
2019	<ul style="list-style-type: none">• Tableau - Tableau 10 Advanced Training: Master Tableau in Data Science Udemy  Online<ul style="list-style-type: none">• 9h - Certificate• Data Science Specialization
2019	<ul style="list-style-type: none">• Tableau - Building Interactive Dashboards with Tableau Udemy  Online<ul style="list-style-type: none">• 4.5h - Certificate• Data Science Specialization
2018	<ul style="list-style-type: none">• R - Reproducible Templates for Analysis and Dissemination Coursera/EMORY University  Online<ul style="list-style-type: none">• Certificate

- 2018 ● **R & Python - Machine Learning A-Z: Hands-On Python & R in Data Science**
Udemy  Online
· 41h - [Certificate](#)
· Data Science Specialization
- 2018 ● **Python - Complete Python Bootcamp: Go from zero to hero in Python 3**
Udemy  Online
· 24h - [Certificate](#)
· Data Science Specialization
- 2018 ● **Python - Python for Data Science and Machine Learning Bootcamp**
Udemy  Online
· 22.5h - [Certificate](#)
· Data Science Specialization
- 2018 ● **Python - Applied Machine Learning for Healthcare**
Udemy  Online
· 5h - [Certificate](#)
· Data Science Specialization
- 2018 ● **Python - Data Science in Stratified Healthcare and Precision Medicine**
Coursera/The University of Edinburgh  Online
· [Certificate](#)
· Data Science Specialization