

Yebelay Berehan

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PROFESSIONAL SUMMARY:

With **dual master's degrees** in Biostatistics from Stellenbosch University and Statistics from Addis Ababa University, coupled with 11+ years of experience in project leading, data management, analysis, and teaching. These experiences equipped me with a deep understanding of complex data, its management, analysis and use with application of different statistical methods. I have interest in causal inference, longitudinal data analysis and survival data analysis. I have a piece of statistical software training experiences (R, SAS, SPSS).

SKILLS:

- Statistical programming: R, SAS, Stata, SPSS,
- Mobile data collection software: Epi Info, SurveyCTO, KoboToolbox, REDCap
- Data visualization: Power BI, RMarkdown(flex dashboard) and shine app
- Experienced in causal/impact evaluation, data profiling, cleansing, and manipulation
- Strong analytical, problem-solving, communication, and interpersonal skills
- Team player and self-starter with excellent organization and time management
- Ability to work under pressure and meet tight deadlines

Work Experience:

1. Survey Manager, Center for evaluation and development (C4ED), Addis Ababa, Ethiopia (May 01, 2023 - Present)

Achievements:

- Successfully led survey teams to conduct high-quality data collection activities.
- Oversees all data collections of the organization and maintained the qualities.
- Produced clear and concise reports on survey findings and recommendations.
- Manage project timelines, budget, and quality assurance.
- Report insights: Summarize and present survey findings in visually appealing reports.
- Data cleaning, analysis and report writing.
- Technical proposal writing and providing trainings.

Related Skills:

- Strong analytical and critical thinking skills
- Excellent communication and collaboration skills
- Proficient in survey methodologies, data profiling, quality standards and data analysis

2. Senior Research officer, Frontieri consulting Plc, Addis Ababa Ethiopia (04/07/2022-30/04/2023)

Achievements:

- Produced winning research and consultancy proposals in collaboration with other teams
- Designed appropriate research methodologies and tools for various projects
- Produced quality research reports
- Successfully manage and complete different projects
- Successfully completed projects in which I lead as project manager and technical assistance in frontier were

- Development Response to Displacement on refugees (DRDIP-I) End line impact evaluation and DRDIP-II Baseline survey for Impacts Project- **MoA and World Bank**
- Personal Food Environment Research for Feed the Future Ethiopia Transforming Agriculture – **RTI**
- Impact evaluation of GAIN's (Global Alliance for Improved Nutrition) food systems project - **RTI**
- Designing nutrition-sensitive cash plus package for PSNP farmers to improve nutritive home consumption and supply HGSF program – **FAO**

Related Skills:

- Strong analytical and critical thinking skills
- Excellent communication and collaboration skills
- Proficient in research methodologies and tools
- Skilled in project management (project timelines, budget, and quality assurance) and supervision

3. Biostatistics Experience and Technical Assistance (BETA) internship/consulting, CDC Ethiopia, Ethiopia, Addis Ababa (01/07/2021 – 12/07/2022)

Achievements:

- Successfully developed R codes to manipulate EMR ART data sets
- Wrote four research articles and 2 conference abstract
- Produced high-quality abstracts and manuscripts using EMR ART data
- Gave R programming for data management trainings for CDC staffs and ICAP staffs

Related Skills:

- Proficient in R programming and data management
- Skilled in data analysis and interpretation
- Experienced in consulting and technical assistance

4. Lecturer, Debre Markos University (10/2014 – 30/06/2022)

Achievements:

- Successfully taught various statistical courses
- Conducted research and community service projects
- Worked as Biostatistician for Universities grant project
- Supervised undergraduate students

Related Skills:

- Strong teaching and mentoring skills
- Skilled in research, project management and community service

5. Graduate Assistant, Mizan-Tepi University (11/2013 - 10/2014)

Achievements:

- Successfully taught statistics courses
- Provided technical assistance to students and staff

Related Skills:

- Skilled in teaching and technical assistance

6. Field Supervisor, Central Statistical Agency (CSA) (8/2013 - 10/2013)

Achievements:

- Successfully supervised agriculture sample survey and large firm production

Related Skills:

- Skilled in supervision and management

7. Development Planner and Evaluator, Justice Office, Ethiopia (9/2012 - 8/2013)

Achievements:

- Successfully prepared annual and quarterly plans
- Coordinated and provided feedback on implementing plans

Related Skills:

- Skilled in planning and coordination
- Skilled in time management and use it effectively.

Education:

- MSc in Biostatistics, Stellenbosch University**, Cape Town, Eastern Cape, South Africa (Graduated April 4, 2022)
- MSc in Statistics (Biostatistics), Addis Ababa University** Addis Ababa, AA Ethiopia (Graduated July 7, 2017)
- BSc in Statistics, Wollo University** Dessie, AM Ethiopia, (Graduated July 7, 2012)

Short Course Training:

- Statistical bridge course (PART TIME), Stellenbosch university, 2020
- Introduction to Global Health (PART TIME), Stellenbosch university, 2021

Job Related Training:

- Impact Evaluation Training for researchers in East Africa from the Network of impact evaluation in Africa (NIERA) and Utrecht University, 2022.
- Training Ultimate guide to power BI from Enterprise DNA structured course (Online), 2022.
- Country level policy engagement training at African population and health research center (APHRC), Kenya, from September 24-30, 2023.

Professional Association member:

Association	Member type	Since
International Biometrics Society (IBS)	Member	2020
Ethiopian statistical Association (ESA)	Member	2015
Ethiopian Biometrics Society (EBS)	String Committee (Project and research coordinator) and Member	2021
Ethiopian public health Association (EPHA)	Member	2018

Language Skills:

Language	Spoken	Written	Read
English	Advanced	Advanced	Advanced
Amharic	Advanced	Advanced	Advanced

Professional Publications:

1. Gobena, M.G. and **Berelie, Y.**, 2021. Modeling the Determinant of Time to Age at First Marriage among Women in Ethiopia using Cox models with mixed effects. BMC Reproductive Health. DOI: <https://doi.org/10.1186/s12978-022-01339>
2. **Berelie, Y.**, Yeshiwas, D., Yismaw, L., Alene, M. (2020). Determinants of institutional delivery service utilization in Ethiopia: a population-based cross-sectional study. BMC Public Health 20, 1077. Doi: <https://doi.org/10.1186/s12889-020-09125-2>
3. Alene M, Yismaw L, **Berelie Y**, Kassie B, Yeshambel R, Assemie MA (2020). Prevalence and determinants of unintended pregnancy in Ethiopia: A systematic review and meta-analysis of observational studies. PLoS ONE 15(4): e0231012. Doi: <https://doi.org/10.1371/journal.pone.0231012>
4. Yeshiwas, D, & **Berelie, Y.** (2020). Forecasting the Covolatility of Coffee Arabica and Crude Oil Prices: A Multivariate GARCH Approach with High-Frequency Data. Journal of Probability and Statistics 2020(2):1-10. Doi: <https://doi.org/10.1155/2020/1424020>.
5. **Berelie, Y.**, Yismaw, L., Tesfa, E., & Alene, M. (2019). Risk factors for under-five mortality in Ethiopia: Evidence from the 2016 Ethiopian Demographic and Health Survey. South African Journal of Child Health, 13(3), 137-140. DOI: 10.7196/SAJCH.2019.v13i3.1645
6. Alene, M., Yismaw, L., **Berelie, Y.**, & Kassie, B. (2019). Health care utilization for common childhood illnesses in rural parts of Ethiopia: evidence from the 2016 Ethiopian demographic and health survey. BMC public health, 19(1), 57. Doi: <https://doi.org/10.1186/s12889-019-6397-x>

Abstract submitted for conference :

1. Sisay A., **Yebelay Berelie**, Biniyam E., Kyle Milligan, Snigdha V., Helen C., Dereje H., Solomon A., Wondimu T., Minesh Pradyuman. Successful suppression of HIV viral load in PWH with virologic failure in PEPFAR-supported clinics -- Addis Ababa, Ethiopia, 2015–2021, **submitted to AIDS 2022.**

Manuscripts under review

2. **Berelie Y.**, Jim Todd, Robert Peck, 2023. A mixed model for longitudinally measured weight gain levels among HIV patients treated with DTG-based ART in Mwanza, Tanzania (Submitted to International AIDS).

Manuscripts in preparation:

1. **Berelie Y.**, Tesfa E., Yeshiwas D. & Bewoket B. Indoor air pollution and its associated factors for acute respiratory infections among under-five children in east Gojjam zone, Ethiopia.
2. Share A., Getie, M., **Berelie, Y.**, Primary school students drop out and associated risk factors in east Gojjam Zone: Parametric shared frailty survival model approach.
3. **Berelie Y.** & Yeshiwas D. Utilization of youth-friendly reproductive health services in East Gojjam, Ethiopia: A multilevel logistic regression analysis.

Under preparation Works at CDC, Ethiopia

4. Sisay Alemayehu Abayneh, Yebelay Berelie, Biniyam Eskinder Seid, Dereje Habte, Wondimu Teferi, Minesh Shah Pradyuman. Rates of switching to second-line antiretroviral therapy after documented Virologic failure in Addis Ababa, Ethiopia.
5. Sisay Alemayehu Abayneh, Yebelay Berelie, Biniyam Eskinder Seid, Dereje Habte, Wondimu Teferi, Minesh Shah Pradyuman. Time to Viral Suppression after documented Virologic failure in Addis Ababa, Ethiopia.

Seminar presentation:

1. Difference-in-Differences (DID) for Impact Evaluation, October 25, 2021, Stellenbosch University, South Africa.
2. Insight to Different Methods for Handling Missing Data: Application with R, July 5, 2021, Debre Markos University, Ethiopia.

MSc. Thesis

1. **Berelie, Y.** & Dejen Tesfaw, 2017. Utilization of Reproductive Health Services among Undergraduate Graduating Class Students in Selected Public Universities of Ethiopia: Classical and Bayesian approaches (URI: <http://localhost:80/xmlui/handle/123456789/4582>).
2. **Berelie Y,** Jim Todd, Robert Peck, 2021. A mixed model for longitudinally measured weight gain levels among HIV patients treated with DTG-based ART in Mwanza, Tanzania.

References:

Name	Employer	Title	Phone	Email
Alene Matsentu	Frontieri, Director	Mr	+251 92 9902499	a.matsentu@bdsedr.com
Dereje Woldehanna	CDC, Ethiopia	Dr.	+251 91 150 8321	oi7@cdc.gov
Trhas Tadesse	Jhpiego, Ethiopia	Dr.	+251 912053189	ttrhas@gmail.com
Cherkos Meaza	C4ED, Ethiopia	Dr.	+251 967424446	cherkos.meaza@c4ed.org

Additional Information:

Training provided.

1. **Longitudinal Data Analysis Training using R** for Ethiopian public health institute, national data management centre staff from 27-31 August 2023.
2. **Statistical data management and analysis using R and SPSS** for Ethiopian Biodiversity Institute, 08-15 February 2023.
3. **Introduction to R and RStudio** for Frontieri Consulting plc researchers, 03-06, October 2023.
4. **Advanced R and RStudio training** at CDC Ethiopia for staff's collaboration with CDC Head quarter, 20-24, 2021
5. Trainer certificate of recognition in “**SAS (Statistical Analysis System) software training**” for Bure campus of the academic staff of Debre Markos University, Ethiopia, 03-04/12/2019.
6. Trainer certificate of recognition in “**R software training**” to the academic staff of Debre Markos University, Ethiopia, 13-14/02/2018.
7. Trainer certificate of recognition in “**SAS software training**” to the academic staff of Debre Markos University, Ethiopia, 11-12/02/2018