



**E SA NEWSLETTER**

# ኢ ስ ታ ማ

ዜና መጽሔት

**ቅጽ ፴፪**

Volume 32

June 2024

**ቁጥር ፩**

Number 1

ሰኔ 2016

# Table of Contents

|   |                                     |
|---|-------------------------------------|
| <b>1. MESSAGE FROM THE EDITORIAL COMMITTEE .....</b>                          | <b>7</b>                            |
| <b>2. ANNOUNCEMENTS .....</b>   | <b>7</b>                            |
| 2.1. RENEWAL OF MEMBERSHIP.....   | 7                                   |
| 2.2. CALL FOR PAPERS FOR JESA.....  | 8                                   |
| 2.3. CALL FOR STRENGTHENING ESA.....  | 8                                   |
| <b>3. NEWS.....</b>   | <b>9</b>                            |
| 3.1 ESA WEBSITE .....   | 9                                   |
| 3.2 THE 31 <sup>ST</sup> ANNUAL CONFERENCE OF ESA HELD IN ADDIS ABABA.....    | 9                                   |
| 3.3 AFRICAN STATISTICS DAY .....  | 10                                  |
| 3.5 TRAINING ON STATISTICAL COMMUNICATION .....                               | 10                                  |
| <b>3.5 FAREWELL AND THANK YOU PROGRAM .....</b>                               | <b>10</b>                           |
| <b>4. THE POST MEASLES VACCINATION CAMPAIGN COVERAGE SURVEY (PMCCS) .....</b> | <b>11</b>                           |
| <b>5. TRAINING .....</b>  | <b>11</b>                           |
| 5.1 STATISTICAL MACHINE LEARNING .....  | 11                                  |
| 5.2 ADVANCED STATA TRAINING .....   | 11                                  |
| 5.3 LONGITUDINAL DATA ANALYSIS LECTURE .....                                  | 11                                  |
| 5.4 KOBO TOOLBOX AND POWER BI TRAINING.....                                   | 12                                  |
| <b>6. ETHIOPIAN STATISTICAL ASSOCIATION BRANCH OFFICE ACTIVITIES .....</b>    | <b>12</b>                           |
| <b>7. REGISTRATION OF NEW MEMBERS.....</b>                                    | <b>ERROR! BOOKMARK NOT DEFINED.</b> |
| <b>8. MEMBER WHO COMPLETED THEIR PHD STUDIES .....</b>                        | <b>13</b>                           |
| <b>9. PROMOTION.....</b>  | <b>14</b>                           |
| <b>10. CONDOLENCES.....</b>   | <b>14</b>                           |
| <b>11. ELECTED EXECUTIVE MEMBERS OF ESA .....</b>                             | <b>15</b>                           |
| <b>12. THE 32<sup>ND</sup> ANNUAL CONFERENCE OF ESA.....</b>                  | <b>15</b>                           |

# Newsletter of the Ethiopian Statistical Association

## ETHIOPIAN STATISTICAL ASSOCIATION (ESA)

The Ethiopian Statistical Association (ESA), founded on April 8, 1990, has the objective of popularizing statistics and promoting modern statistical practices, research and trainings. Its membership includes individuals' at government and non-government organizations engaged in Agriculture, Health, Industry, Trade, Financial and other activities. ESA has four publications the Journal of Ethiopian Statistical Association (JESA), Newsletter, Proceeding and Book of Abstract.

## JOURNAL OF THE ETHIOPIAN STATISTICAL ASSOCIATION (JESA)

JESA was published for the first time in June 1991 and 21 volumes have been published so far. Its objective is to publish scientific papers arising from statistical research which bears on the Ethiopian experience and research in statistical science, and thereby to provide a medium for the exchange of knowledge and experience in statistical practice, research and statistical education.

## ESA NEWSLETTER

ESA Newsletter is published by the editorial committee of ESA once a year. Its objectives are to make announcements of call for papers, conferences, etc., and publish information that enhances the statistical knowledge of the society,

and to exchange scientific information. Besides, to update members and the entire Ethiopian Statistics community for current statistical issues happening across the nation and the globe too.

## ANNUAL MEMBERSHIP FEES

### Regular local individual membership

Birr 100.00

### Regular individual membership abroad

US\$ 50.00

### Local institutional membership

Birr 1000.00

New local members will pay an additional registration fee of

Birr 50.00

**THE BUSINESS ADDRESS OF ESA:** The treasurer, Ethiopian Statistical Association, P. O. Box 5724, Addis Ababa, Ethiopia. Payment of fees can be made through Bank, mobile banking or tele Birr using ESA bank Account No. 1000010796745 Commercial Bank of Ethiopia, or with a postal order. In all cases, the advice of payment will have to be sent to ESA.

## THE EDITORIAL OFFICE OF JOURNAL

of ESA is to be addressed as The Editor, Journal of the Ethiopian Statistical Association, P. O. Box 5724, Addis Ababa, Ethiopia.

**OFFICE ADDRESS OF ESA:** School of Earth Sciences, 1<sup>st</sup> Floor, College of Natural and

Computational Sciences, Addis Ababa  
University, Addis Ababa, Ethiopia.

**Telephone:** +251-11-1261203 or  
+251-930-36-4273

**E-mail:** [ethstat@gmail.com](mailto:ethstat@gmail.com)

**Website:** [www.ethstat.org.et](http://www.ethstat.org.et)

## **ETHIOPIAN STATISTICAL ASSOCIATION EXECUTIVE COMMITTEE**

|                        |   |
|------------------------|---|
| Zeytu Gashaw (PhD)     | President                                       |
| Denekew Bitwe (PhD)    | Vice President                                  |
| Haymanot Zeleke        | Secretary                                       |
| Tadesse Kassahun (PhD) | Administration and Finance Coordinator          |
| Habte Tadesse (PhD)    | Training Coordinator                            |
| Gezahegn Getahun       | Research and Projects Coordinator               |
| Eskedar Girma          | Members and Chapter Offices Affairs Coordinator |

## **AUDITOR**

Gezahegn Mekonnen (PhD)

## **HEAD, SECRETARIAT**

Samuel Hailu

## **EDITORIAL COMMITTEE**

|                                    |                     |
|------------------------------------|---------------------|
| Emanuel Gebreyohannes, PhD         | Editor-in-chief     |
| Mekonnen Tadesse (Associate Prof.) | Secretary           |
| Samuel Hailu                       | Editorial Assistant |

## **Associate Editors**

Adem Kedir, PhD  
Bedilu Alamirie, PhD  
Tadesse Kassahun, PhD

## **ADVISORY BOARD MEMBERS**

|                            |                 |
|----------------------------|-----------------|
| Addisu Fekadu              | Ethiopia        |
| Ayele Menbere              | U.S.A.          |
| Aynew Ejigou, Prof.        | Ethiopia        |
| Ayele Taye, PhD            | Ethiopia        |
| Dejen Tesfaw, PhD          | Ethiopia        |
| Demelash Megersa           | Ethiopia        |
| Emanuel Gabreyohannes, PhD | Ethiopia        |
| Eshetu Wencheke, Prof.     | Ethiopia        |
| Fentaw Abegaz, PhD         | The Netherlands |
| Genene Bizuneh             | Ethiopia        |
| Legesse Ayane              | Ethiopia        |
| Martha Sintayehu           | Ethiopia        |
| Mekonnen Tadesse           | Ethiopia        |
| Merga Belina, PhD          | Ethiopia        |

Shibru Temesgen, PhD  
Dejen Tesfaw, PhD  
Sileshi Fanta, Prof.  
Zerihun Tadesse  
Kiros Berhane, Prof.  
Solomon Harrar, Prof.

Ethiopia  
Ethiopia  
South Africa  
U.S.A.  
U.S.A.  
U.S.A.

## **INSTITUTIONAL MEMBERS OF THE ETHIOPIAN STATISTICAL ASSOCIATION**

1. Addis Ababa Chamber of Commerce
2. Addis Ababa University
3. African Association of Science
4. Arba Minch University
5. Bahir Dar University
6. Ethiopian Statistics Service
7. Commercial Bank of Ethiopia, Marketing and Corporate Planning Division
8. Development Bank of Ethiopia, Statistics Division
9. Dire Dawa University
10. Ethiopian Chamber of Commerce
11. Ethiopian Airlines
12. Ethiopian Health and Nutrition Research Institute
13. Ethiopian Insurance Corporation
14. Ethiopian Telecom
15. Ethiopian Livestock Research Institute
16. Ethiopian Import-Export Corporation
17. Ethiopian Development Research Institute
18. Haramaya University
19. International Statistical Institute
20. Jimma University
21. Mekele University
22. Ministry of Agriculture, Planning Department
23. Ministry of Education
24. Ministry of Science and Technology
25. MizanTepi University
26. National Bank of Ethiopia, Economic Research Department
27. National Committee on Traditional Practices in Ethiopia
28. Oromia Region, Population Office
29. Samara University
30. Save the Children Federation (USA)
31. Statistical Society of Ethiopians in North America (SSENA)
32. United Nations Economic Commission for Africa Center for Statistics (UNECA-ACS)
33. University of Gondar
34. Unity University
35. World Vision, Ethiopia

## 1. Message from the Editorial Committee

It is with pleasure that we present the 32<sup>nd</sup> volume of our Newsletter. The news has been contributed by ESA and statistics departments in the country.

If you have any news to share, please forward it to us. We appreciate any contributions to our outstanding publication. In order to maintain the newsletter as a very professional publication, it requires commitment and

## 2. Announcements

### 2.1. Renewal of Membership

The executive committee of ESA would like to thank every one of you for having made our association so successful and visible. You have made valuable contributions to ESA and we request your continued support. If your membership has not been updated, we urge you to renew at this time. Remember that the strength of the Association lies in its membership. We would also appreciate your help in encouraging your colleagues, students, and friends to be members of ESA. The executive committee also requests the cooperation of representatives of its members in various ministries, universities, and offices to collect outstanding fees. Please handover

contributions from a broad range of the ESA membership. Your contribution can be on any issue that you realize other members of ESA would like to hear about. As always, your feedback is very important and we look forward to your comments and/or suggestions. We look forward to serving you this year and hope to meet you at our upcoming annual conference.

collected membership and/or registration (for new members) fees to:

The Treasurer: Tel no.: +251-11-1261203  
+251-930364273

Or,

Transfer to our current bank account number 1000010796745, Commercial Bank of Ethiopia and email us the scanned copy of advice of payment either through [ethstat@gmail.com](mailto:ethstat@gmail.com) or use ESA website [www.ethstat.org.et](http://www.ethstat.org.et) or mobile banking or tele Birr or send through ESA's postal address: P.O. Box 5724, Addis Ababa, Ethiopia.

Thank you for your continued support!



## 2.2. Call for Papers for JESA

Journal of the Ethiopian Statistical Association (JESA) has published its 17th volume in 2019. With various practical reasons, we were not able to publish the successive volumes, but now with extra effort, we have published volumes 18 through 22 and fill the backlog we had. ESA Executive committee members and the editorial team have strong commitment to compensate the backlogs and restore JESA

## 2.3. Call for Strengthening ESA

Statistics is essential to identify needs, set goals, and monitor progress and generate baseline evidence on which policies are built. Without good statistics, the development progress is blind: policy makers cannot learn from their faults, the public cannot hold them accountable.

ESA has the objective of popularizing statistics and promoting modern statistical practices, research and training.

It is obvious that ESA's efforts to popularize statistics can be fruitful only through the

to the system. Furthermore, we need and have to work hard to make it a reputable Journal through the Ethiopian Ministry of Education. We are hoping the next issue of the JESA is planned to come out in prints in December 2025. Those who are interested to get your work published on the JESA are kindly requested to submit manuscripts to the Editor-in-chief as early as possible via ESA e-mail address [ethstat@gmail.com](mailto:ethstat@gmail.com).

contribution of its members. Thus, the association calls for active participation and timely action of its individual and institutional members to mobilize their collective efforts for the dissemination of sound statistical concepts in the society.

All members of ESA are kindly requested to promote the association in relevant occasions and facilitate the membership process for those interested to be a member of the ESA.

### 3. News

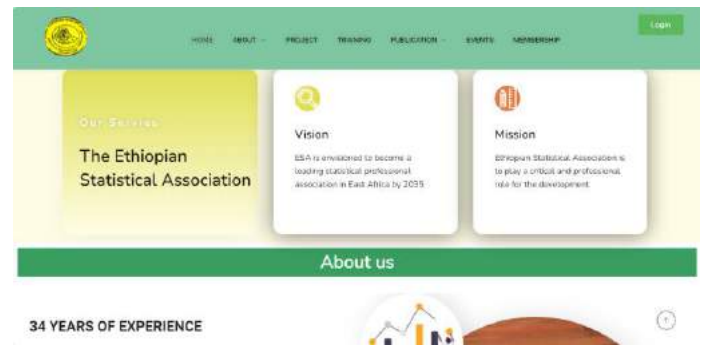
#### 3.1 ESA Website

The website for Ethiopian Statistical Association has existed for a decade with limited functionality. The current Executive Committee (EC) of the Association thoroughly deliberated on the importance of ESA's visibility through websites. It was then unanimously decided by the EC members that the website should be reconstructed by a professional website designer. A request for a website designer was officially advertised, and three firms submitted their proposals. Mrs. Desta Worash's firm emerged as the winning bidder to construct the website. The consultant has constructed a dynamic website (<https://www.ethstat.org.et>) with various functionalities.

#### 3.2 The 31<sup>st</sup> Annual Conference of ESA Held in Addis Ababa

The 31<sup>st</sup> annual conference of the Association was held in Melka International Hotel, Addis Ababa, during 08 - 09 July 2023 under the theme of *“Implementation of Statistical Methodology in Health and Agriculture in Ethiopia”*. The annual conference focused on the critical role of quality data in solving various health and agriculture related issues in the country. This historical event was officially opened by Mr. Muluken Kerie, Deputy Director General, Ethiopian Statistical Services. Fifteen scientific papers were presented by participants from the academia,

The newly constructed website supports online registration for events such as trainings and conference participation; online tracking of scientific papers under revision by JESA, uploading of payment receipts, and accessing previously published newsletters, proceedings and manuscripts through JESA.



Ethiopian Statistical Service and government offices.



### 3.3 African Statistics Day

Ethiopian Statistical Service along with other potential stakeholders had celebrated the annual African Statistics Day on November 18, 2023 at Haile Grand Hotel and Spa, Addis Ababa, Ethiopia. African Statistics Day is an annual event celebrated to raise public awareness on the importance of statistics in all aspects of social and economic life. The past year's event was celebrated with attention paid upon Modernizing Data Ecosystem to Accelerate the Implementation of the Africa Continental Free Trade Area (AfCFTA) at all countries in the continent. The main theme of the event was *The role of Official Statistics and Big Data in the Economic Transformation and Sustainable Development of Africa*". Ms. Haymanot Zeleke, Secretary and Mr. Samuel Hailu, Secretariat of the ESA were part of the event.



### 3.4 Dissemination of the Fifth Socio-economic Survey Result of Ethiopia

Being a major stakeholder and partner of the Ethiopian Statistical Services, ESA has participation in the dissemination workshop of the fifth socio-economic survey result of Ethiopia. The workshop was held on January 26, 2024 in Skylight Hotel, Addis Ababa. ESA was delegated by Dr. Zeytu Gashaw, Preseident, Mr. Samuel Hailu, Secretariat, and Dr. Tadesse Kassahun, Administration and

Finance Coordinator. Researchers can have access to micro data via

<https://microdata.worldbank.org/index.php/catalog/3823>

### 3.5 Training on Statistical Communication

One-day training was organized by the Ethiopia Statistical Services in collaboration with the Statistics Norway. The training was held on February 13, 2024 in the Head Office of Ethiopian Statistical Services. The aim of the training was enhancing statistical communication and advocating the importance of statistics for research and development. A staff member from ESA attended the training.



### 3.5 Farewell and Thank You Program

Ethiopian Statistical Association had organized a farewell and thank you program for the former members of the Associations' Executive Committee (EC). ESA would like to acknowledge the contributions made by them for the development of the Association. The Committee members were true *professionals* and warm colleagues of the entire members of the Association, especially for ESA-EC members.



#### 4. The Post Measles Vaccination Campaign Coverage Survey (PMCCS)

The Ethiopian Statistical Association won a competitive WHO-funded project entitled “Post Measles Vaccination Campaign Coverage Survey of Ethiopia 2022”. The project was a national-level survey with the main objective of validating measles vaccination campaign coverage of children aged 9 months to 59 months conducted in 2022 throughout the country. The project engaged a total of 219 members of the Association in various capacities: enumerators, supervisors, regional coordinators, project managers, technical experts, monitoring & evaluation specialists, technical editors, and advisors. The

#### 5. Training

Ethiopian Statistical Association has organized a number of trainings and short courses for members and various stakeholders through virtual and face-to-face platforms. The Association has strong mission to

##### 5.1 Statistical Machine learning

A virtual training on Statistical Machine Learning was delivered by Prof. George, Oslo University, Norway during March 06 – 08, 2024. The training was given for a total of 9

##### 5.2 Advanced Stata Training

Advanced Stata Training to employees of TechnoServ Company was given by Dr. Merga Belina and Dr. Habte Tadesse for two

##### 5.3 Longitudinal Data Analysis Lecture

ESA had organized a virtual lecture on longitudinal data analysis for members and stakeholders from November 13 – 14, 2023. The lecture was offered by Prof. Peter Diggle,

Association has benefited a lot from the experience of undergoing a national-level survey, the first of its kind in ESA’s history. Final report of the survey is successfully submitted to the World Health Organization. It was through this project that ESA paid over Birr 2, 000, 000.00 (two million) tax to the Government.



introduce and promote the newly produced statistical software and cross-cutting short courses for members and potential stakeholders.

hours with three hours per day. More than 70 members and other stakeholders had attended the training.

days (8 hours a day) during December 18-19, 2023 in Addis Ababa.

Lancaster University, Lancaster medical school, Lancaster, UK. The lecture, given for two days, benefited 80 members of the Association.



#### 5.4 Kobo Toolbox and Power BI training

Kobo Toolbox and Power BI software trainings were given from September 18, 2023 to October 13, 2023 to the staff in the Ethiopian Statistical Service. The training reached top management, core directorate directors, and senior statisticians from head office, managers and statisticians of 25 branch statistical offices. The Kobo Toolbox training was delivered by Dr. Dejen Tesfaw and Mr. Gezahegn Getahun while Dr. Tadesse Kassahun and Dr. Zeytu Gashaw gave the Power BI training. Overall, a total of 140

participants took the training and completion certificates were awarded to them.



#### 5.5 Ongoing trainings

Trainings on Statistical Research Methodology, Stata, R and Python are being delivered to the Ethiopian Statistical Services (ESS) employees in the ESS training center. The overall aim of the training is to fill the statistical capacity and skill gaps of the employees.



### 6. Registration of New Members

The Executive Committee exerted its utmost effort to raise awareness about the Ethiopian Statistical Association and persuade non-members to join, particularly during the

training sessions in ESS, and the PMCCS data collector and supervisor recruitment events. As a result, over the past year, ESA has welcomed 176 new members.

## 7. Member Who Completed their PhD Studies

Getachew Tekle, one of the actively participating members of the Ethiopian Statistical Association through scientific paper presentations at annual conferences received his PhD in Statistics from Yazd Science & Technology University, Iran on January 14, 2024. In his doctoral dissertation, titled "The Analysis of Health Data with Different Features by Random Effects Models

and New Distributions," the primary emphasis lies in methodological statistics, particularly concerning its application in the analysis of health data. Congratulations, Dr. Getachew, on your PhD.



**Dr. Getachew Tekle**

Yonas Shuke Kitawa, member of the Ethiopian Statistical Association, holds a PhD in Applied Statistics from Hawassa University in 2023 focusing on Spatial and Spatio-temporal data in small areas, particularly in the context of malaria in Southern Ethiopia. His doctoral research, titled "Spatio-temporal modeling of spatially aggregated data in the case of malaria in Southern Ethiopia," employed statistical methodologies to analyze and understand the spatial and temporal patterns of the disease. Congratulations, Dr. Yona, on your PhD.



**Dr. Yonas Shuke**

## 8. Promotion

Bahir Dar University has approved the promotion of two of our members, namely Dr. Essey Kebede and Dr. Awoke Seyoum to the rank of full Professor in Biostatistics. Congratulations on this remarkable achievement!



**Prof. Awoke Seyoum**

Awoke Seyoum Tegegne, based at Bahir Dar University in Ethiopia and member of ESA,



**Prof. Essey Kebede**

Essey Kebede Muluneh received a PhD in Statistics from Andhra University, India in 2012 concentrating on inventory modeling & operations research. Joining Bahir Dar University in 2006 as a lecturer, he has since

holds a PhD in Statistics from UNISA in 2020, focusing on "Modeling Count, Binary and Ordinal regression response with application of CD4 cell count change and Adherence to HAART." Dr. Awoke has served as a Statistics instructor at various levels within Bahir Dar University since 2007. He has held various administrative roles including Head of Statistics Department and Chief Registrar at Bahir Dar University, as well as leadership positions in regional development bureaus. Dr. Awoke's advising includes over 25 MSc students and supervision of two current PhD candidates, with 57 articles published in peer-reviewed journals. In recognition of his contributions, Bahir Dar University endorsed Dr. Awoke's promotion to the rank of full professor in Biostatistics in December 2023. The Ethiopian Statistical Association would like to congratulate you!

been actively involved in teaching diverse courses and guiding graduate theses following his doctoral studies. He played a role in the design and continuation of MSc and PhD in Statistics programs at Bahir Dar University. Alongside his academic duties, he has held various administrative roles and currently serves as the Academic Vice President of the University. He has provided mentorship to over thirty MSc and four PhD candidates, and currently supervising four PhD students. In December 2023, Bahir Dar University acknowledged Dr. Essey's contributions by endorsing his promotion to the position of full professor in Biostatistics. Congratulations on your promotion from the Ethiopian Statistical Association!

## 9. Condolences

The Ethiopian Statistical Association (ESA) extends its heartfelt condolences on the passing of Dr. Tadiwos Koroto, one of the founding members and the inaugural treasurer of ESA. A brief biography of him is provided below.

Dr. Tadewos Koroto earned his B.Sc (1982) and M.Sc (1986) degrees in Statistics from Addis Ababa University, Ethiopia, and completed his PhD at Queen's University in Kingston, Canada, in 1996. He has been teaching at Addis Ababa University (AAU) since 1983 and until he left for his PhD studies. Following the completion of his Ph.D. in 1996, he taught both graduate and undergraduate students at AAU until 2005.

Dr. Tadewos has also worked at the National University of Lesotho, Lesotho and Strayer University, USA.



**Dr. Tadiwos Koroto**

## 10. Elected Executive Members of ESA

The General Assembly of the Ethiopian Statistical Association elected Executive Committee members during the 31<sup>st</sup> Annual Conference held from July 8 to 9, 2023 at Melka International Hotel, Addis Ababa, Ethiopia.

Consequently,

1. Zeytu Gashaw (PhD), Associate Professor at the School of Public Health, Addis Ababa University has been elected as President of the Association.
2. Denekew Bitew (PhD), Associate Professor at the Department of Statistics of Bahir Dar University elected to serve as Vice President of the Association.

## 11. The 32<sup>nd</sup> Annual Conference of ESA

The 32<sup>nd</sup> annual conference of the Association will be held at Addis Ababa, Ethiopia during 14 – 15 June 2024 with the theme **“Statistical Methodology and Data Science for Population Mapping and Sustainable Development”**. The annual

3. Habte Tadesse (PhD), Assistant Professor at the Department of Statistics of Addis Ababa University elected to serve as Training Coordinator of the Association.

4. Eskedar Girma, Lecturer and Chair, Department of Statistics, Haromaya University has been elected to serve as a Members and Chapter Offices Coordinator of the Association.

5. Gezahegn Mekonnen (PhD), Assistant Professor at the Department of Statistics of Hawassa University elected to serve as the Audit and Inspection of the Association.

conference will focus on the critical role of Statistics is to handle social, economic and political concerns in the country with the purpose of motivating Statisticians and practitioners.