



**THE 34<sup>TH</sup> ANNUAL INTERNATIONAL  
CONFERENCE  
ON STATISTICS AND MODELLING IN HUMAN  
AND SOCIAL SCIENCES**

**AGENDA**

**SEPTEMBER 12-13, 2023  
CAIRO, EGYPT**

**FACULTY OF ECONOMICS AND POLITICAL SCIENCE,  
CAIRO UNIVERSITY**

# Conference Organization Committee

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Dr. Sara Osama

Dr. Zakaria AbdelSamee

# CONFERENCE AGENDA

## DAY 1: TUESDAY, SEPTEMBER 12<sup>TH</sup>

**09:00-09:30** Registration

**09:30-10:30** Opening Session

**Prof. Abdel Nasser Saad**, *Chairman of the Statistics Department*

**Prof. Hanan Aly**, *Acting Dean of Faculty of Economics and Political Science*

**Prof. Mahmoud El Said**, *Vice President of Cairo University*

**Prof. Mohamed Osman El Khosht**, *President of Cairo University*

**Major General Khairat Barakat**, *Chairman of the Central Agency for Public Mobilization and Statistics (CAPMAS)*

**10:45-12:30** Seminar (1)

***Applied Sampling Methods in Surveys Conducted by the ERF***

***Chairman: Prof. Hussein A. Sayed*** (*Faculty of Economics and Political Science, Cairo University*)

***Discussant: Prof. Ramadan Hamid*** (*Faculty of Economics and Political Science, Cairo University*)

***Speakers: Dr. Mai Mokhtar*** (*Faculty of Economics and Political Science, Cairo University*)

***Co-Presenter: Dr. Nesma Amer*** (*Senior Statistician at the ERF*)

**12:30-13:00**

**Coffe Break**

**13:00-14:30**

**Session (1): Theoretical Statistics**

**Chairman: Prof. Abdel Hamed Negm** (*Faculty of Economics and Political Science, Cairo University*)

**Moderator: Dr. Rana Nabil** (*Faculty of Economics and Political Science, Cairo University*)

**1- "Chen-Burr XII Distribution: Properties and Estimation with Applications "**

H. N. Salem, G. R. AL-Dayian and A. A. EL-Helbawy  
(*Statistics Department, Faculty of Commerce, AL-Azhar University (Girls' Branch), Cairo, Egypt*)

**2- "Discrete Exponentiated Generalized Family of Distributions "**

Abd EL-Hady, A.E., Hegazy, M. A., EL-Helbawy and G. R. AL-Dayian (*Department of Statistics, Faculty of Commerce, Al-Azhar University (Girls' Branch), Cairo, Egypt*)

**3- " Mixture of Two components of Exponentiated Family"**

F. G., Abd EL-Maksoud, G. R. AL-Dayian (*Department of Statistics, Faculty of Commerce, AL-Azhar University (Girls' Branch), Tafahna Al-Ashraf, Egypt*) and A. A. EL-Helbawy (*Department of Statistics, Faculty of Commerce, AL-Azhar University (Girls' Branch), Cairo, Egypt*)

**4- "Non-Bayesian and Bayesian Prediction for Additive Flexible Weibull Extension-Lomax Distribution"**

H. N. Salem, G. R. AL-Dayian, A. A. EL-Helbawy, and R. E. Abd EL-Kader (*Statistics Department, Faculty of Commerce, Al-Azhar University (Girls' Branch), Cairo, Egypt*)

**14:30-16:00     Session (2): Applied Statistics (1)**

**Chairman: Prof. Abdallah Abdel-Ghaly** (*Faculty of Economics and Political Science, Cairo University*)

**Moderator: Dr. Nora Said** (*Faculty of Economics and Political Science, Cairo University*)

**1- "Geographically Weighted Zero-Inflated Negative Binomial Regression: An Application to COVID-19 Deaths across the United States"**

Amira Elayouty, Doaa Sakr, Abdelnasser Saad and Mohamed Ismail (*Department of Statistics, Faculty of Economics and Political Science, Cairo University, Egypt*)

**2- "A spatial statistical downscaling model for combining spatially misaligned maximum temperature data using R-INLA"**

Sylvia A. Shawky(*faculty of Commerce and Business Administration - Future University in Egypt*), Abdelnasser saad, and Amira Elayouty (*Department of Statistics, Faculty of Economics and Political Science, Cairo University, Egypt*)

**3- " Statistical Data Integration Using Machine Learning Models: Insights from Egyptian Surveys"**

Mohamed Ali Ismail, Mai Sherif Hafez (*Department of Statistics, Faculty of Economics and Political Science, Cairo University, Egypt*), and Israa Lewaa (*Faculty of Business Administration, Economics and Political Science, Department of Business Administration, The British University in Egypt*)

**16:00-17:00**

**Lunch**

## **DAY 2: WEDNESDAY, SEPTEMBER 13<sup>TH</sup>**

**09:30-11:00**            **Session (3): Statistical Modelling and Sampling**

**Chairman: Prof. Ramadan Hamid** (*Faculty of Economics and Political Science, Cairo University*)

**Moderator: Dr. Sara Osama** (*Faculty of Economics and Political Science, Cairo University*)

**1- "Optimal Stochastic Allocation in Multivariate Stratified Sampling"**

Maha, I., Mahfouz (*National Centre for Social and Criminological Research, Egypt*), Mahmoud, M., Rashwan, and Zeinab, A., Khadr (*Department of Statistics, Faculty of Economics and Political Science, Cairo University, Egypt*)

**2- " A note on using Kruskal-Wallis test in linear mixed-effects models with heavily skewed error components"**

Yahia S. El-Horbaty (*Department of Mathematics, Insurance, and Applied Statistics, Helwan University, Egypt*)

**3- " A Frailty Model of Generalized Lindley Distribution with the Gompertz Baseline: Estimation and Application"**

Asmaa H.Abd El-Maqsoud, Asmaa S.A.Zeidan, and Salwa A.Mousa  
(*Statistics Department, Faculty of Commerce Al-Azhar University (Girls' Branch), Cairo, Egypt*)

**11:00-11:30**            **Coffe Break**

**11:30-13:00**

**Session (4): Applied Statistics (2)**

**Chairman: Prof. Moshira Ismail** (*Faculty of Economics and Political Science, Cairo University*)

**Moderator: Dr. Maram Salem** (*Faculty of Economics and Political Science, Cairo University*)

**1- "Privacy Attitudes in Smart City Context: Political Economy Evidence from a Global Survey Data"**

Abdel Hameed Nawar (*Department of Economics, Faculty of Economics and Political Science, Cairo University, Egypt*) and Siham Rabie (*Department of Statistics, Faculty of Economics and Political Science, Cairo University, Egypt*)

**2- " Climate change and child malnutrition in Egypt"**

Amira Elayouty (*Department of Statistics, Faculty of Economics and Political Science, Cairo University, Egypt*), Hala Abou-Ali (*Department of Economics, Faculty of Economics and Political Science, Cairo University and Institute of National Planning, Egypt*), Ronia Hawash Rabie (*Lacy School of Business, Butler University, Indianapolis, Indiana, USA*)

**3- "Extreme value statistics in semi-supervised models"**

Hanan Ahmed, John H.J. Einmahl (*Tilburg University, Netherlands*), and Chen Zhou (*Erasmus University, Netherlands*)

**13:00-14:30**

**Session (5): Young Researchers**

**Chairman: Prof. Fatma El Zanaty** (*Faculty of Economics and Political Science, Cairo University*)

**1- "What does – being a woman- mean in labor force? "**

Rawda Ahmed, Asmaa Khamis , Nouran Mahmoud, and Hany Amr (*Statistics Department, Faculty of Economics and Political Science, Cairo University*)

**2- "Quality of academic life for disabled students in Cairo University"**

Mayar Mohsen, Roden Raouf, and Mira Taha (*Statistics Department, Faculty of Economics and Political Science, Cairo University*)

**3- "Indicators Influencing Poverty in Egypt"**

Habiba Gamal, Hania Mohamed and Mariam Mahmoud(*Statistics Department, Faculty of Economics and Political Science, Cairo University*)

**Abstracts for previous conference (2022) are available online at**

**<http://feps.edu.eg/enn/departments/st/conference.php>**



## **CALL FOR PAPERS**

Cairo University  
Faculty of Economics and Political Science  
Department of Statistics

### **THE 35<sup>th</sup> ANNUAL INTERNATIONAL CONFERENCE ON STATISTICS AND MODELLING IN HUMAN AND SOCIAL SCIENCES**

**September 10-11, 2024**

#### **Important Dates**

Deadline for receiving abstracts: August 1<sup>st</sup>, 2024

Deadline for receiving papers: August 15<sup>th</sup> 2024

The conference announces the reward offered by Prof. Nadia Makary that is granted for any research published in the conference proceedings and accepted later for publication in one of the international recognized periodicals.

#### **Correspondence**

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