



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

**AGENDA**

**SEPTEMBER 10-11, 2024  
CAIRO, EGYPT**

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

# Conference Organization Committee

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# CONFERENCE AGENDA

## DAY 1: TUESDAY, SEPTEMBER 10<sup>TH</sup>

**09:30-10:00** Registration

**10:00-10:45** 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 Al-Said**, *Vice President of Cairo University*

**Prof. Mohamed Sami Abdel Sadek**, *Acting President of Cairo University*

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

**11:00-13:00** Seminar (1)

***Interaction between Statistics and Politics:  
International Experience***

***Speaker: Prof. Maged Osman*** (*Faculty of Economics and Political Science, Cairo University*)

***Discussant: Prof. Ali El Din Hilal*** (*Faculty of Economics and Political Science, Cairo University*)

**13:00-13:30**

**Coffee Break**

**13:30-15:30 Seminar (2)**

***Integrating POI and Mobile Location  
Data: Advancing Methodologies in Political Science  
Research***

***Speaker: Dr. Zeyad Kelani*** (*Faculty of Economics and  
Political Science, Cairo University*)

***Discussant: Dr. Amira El-Ayouty*** (*Faculty of Economics and  
Political Science, Cairo University*)

**15:30-17:00 Session (1): Applied Statistics (1)**

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

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

- 1- "Multidimensional Poverty for Young people in Egypt "**  
Gamal, B., Ismail, M. A. and Armanious, D. M. (*Department  
of Statistics, Faculty of Economics and Political Science,  
Cairo University, Egypt*)
  
- 2- "The Main Determinants of Quality of Employment in  
Egypt in 2020 "**  
Zaky, H.H., Armanious, D. M., Hosny, S. Y. (*Department of  
Statistics, Faculty of Economics and Political Science, Cairo  
University, Egypt*)

**3- "Measuring The Impact of Financial Performance Efficiency Determinants on The Performance Level of Property and Casualty Insurance Companies in the Egyptian Insurance Market "**

Gamal Elden, S. M. (*Department of Insurance & Actuarial Sciences, Faculty of Commerce, Cairo University*)

## DAY 2: WEDNESDAY, SEPTEMBER 11<sup>TH</sup>

**09:30-11:00**            **Session (2): Statistical Modelling**

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

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

**1- "The Joint Effect of Model Misspecification and Data Sparsity on Parameter Estimation in Three – level Cross Classified Random Effect models"**

Mounir, S. S., El Zeini, L. O. and El Zayat, N. I. (*Department of Statistics, Faculty of Economics and Political Science, Cairo University, Egypt*)

**2- "Multiscale Geographically Weighted Quantile Regression"**

Elkady, A. H., Abdrabou, A. S. and Elayouty, A. S. (*Department of Statistics, Faculty of Economics and Political Science, Cairo University, Egypt*)

**3- "Estimating and Forecasting Multivariate Autoregressive Time Series Models: A Mathematical Programming Approach"**

Mohamed, R. H., Ismail, M. A., Rashwan, M. M. (*Department of Statistics, Faculty of Economics and Political Science, Cairo University, Egypt*), and Bekhit, D. A. (*Central Agency for Public Mobilization and Statistics (CAPMAS)*)

**11:00-11:30**

**Coffee Break**

**11:30-13:30                      Session (3): Statistical Quality Control  
and Reliability Studies**

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

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

**1- "On the Use of Machine Learning Imputation Methods in Phase I Statistical Process Control "**

Desoki, D. A., Saleh, N. A. Abdrabou, A. S. and Mahmoud, M. A. (*Department of Statistics, Faculty of Economics and Political Science, Cairo University, Egypt*)

**2- "Shewhart Control Chart for Monitoring Concentration of Circular Data "**

Ahmed, A. A., Ali, A. A. and Saleh, N.A. (*Department of Statistics, Faculty of Economics and Political Science, Cairo University, Egypt*)

**3- "On the Estimation of Chen-Burr XII Distribution Based on Adaptive Type II Progressive Censoring Scheme "**

Salem, H. N. (*Statistics Department, Faculty of Commerce, AL-Azhar University (Girls' Branch), Cairo, Egypt*)

**4- "Statistical Properties and Applications of a New Truncated Zubair-Generalized Family of Distributions "**

Soliman, D. S., Hegazy, M. A. (*Department of Statistics, Faculty of Commerce, AL-Azhar University (Girls' Branch), Tafahna Al-Ashraf, Egypt*), AL-Dayian, G. R. and EL-Helbawy, A. A. (*Department of Statistics, Faculty of Commerce, AL-Azhar University (Girls' Branch), Cairo, Egypt*)

**13:30-15:30**

**Session (4): Young Researchers**

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

- 1- "Assessing Some Quality Life Aspects for Youth in Slums"**  
Mohamed, N.A., Mohamed, S. R., Mansour, M.K. and Emam, R. A. (*Statistics Department, Faculty of Economics and Political Science, Cairo University*)
- 2- "The Effect of Studying Habits on the Academic Achievement of Students of the Faculty of Economics and Political Science"**  
Negm, N.H., Kamal, A. A., Aboul Fotouh, H.S. and Ismail, A. A. (*Statistics Department, Faculty of Economics and Political Science, Cairo University*)
- 3- "Factors Affecting E-Wallets Usage Among Cairo University Students"**  
Mohamed, A. A., Mohamed, N.S. and Galal, O. (*Statistics Department, Faculty of Economics and Political Science, Cairo University*)
- 4- "Studying The Association Between Physical Health Conditions with the Development of Mental Illness: A Comparative Analysis of Statistical Analysis Methods and Machine Learning Approaches"**  
Hassan, S. S., Mohamed, H. A., El Shamy, S. A. and Mohamed, R. A. (*Statistics Department, Faculty of Economics and Political Science, Cairo University*)



**Abstracts for previous conference (2023) 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 36<sup>th</sup> ANNUAL INTERNATIONAL CONFERENCE ON STATISTICS AND MODELLING IN HUMAN AND SOCIAL SCIENCES**

**September 9-10, 2025**

#### **Important Dates**

Deadline for receiving abstracts: August 1<sup>st</sup>, 2025

Deadline for receiving papers: August 15<sup>th</sup> 2025

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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