CALL FOR PAPERS

Econometric Research Association 2nd International Data Analytics and Machine Learning Conference

 "The Economics of Data: Foundations for Policy and Regulation"

DATAMACLEA’25

May 5-6, 2025

Econometric Research Association (ERA) is excited to unveil the 2nd International Data Analytics and Machine Learning Conference DATAMACLEA’25 (face to face or online) dedicated to exploring the forefront of data analytics and machine learning. ERA will cooperate with Ankara Yıldırım Beyazıt University, Institute for International Relations and Strategic research, (ULISA) during the event. This year’s main topic which is "The Economics of Data: Foundations for Policy and Regulation" can be summarized as follows:

Data are becoming the key focus of policy makers and regulators, not only because they are the “fuel” of the digital economy, but also because they are turning into a geopolitical issue. However, the “economics of data” still not well understood and even less so researched, thus opening the ground for all kind of more or less justified policy interventions. Therefore, the basic economic features of data can be highlighted. That’s to say, the nature of data as an economic good on the one hand and the value chain associated with data on the other hand can be examined. Any data policy and regulation and even more so of data spaces will have to be grounded in such solid economic reasoning. Such economic reasoning must be outlined. Mean for data policy and the regulation of data spaces should be examined.

**Keynote Speaker (Face to Face):** Prof. Matthias Finger Ph.D., Emeritus Professor [Ecole Polytechnique](https://scholar.google.com.tr/citations?view_op=view_org&hl=tr&org=16539297749990713900)Fédérale Lausanne and Professor at İstanbul Technical University, Türkiye

<https://scholar.google.com.tr/citations?user=Jo35paoAAAAJ&hl=tr>

**Keynote Speaker (Online):** Prof. Dr. Asad Zaman, Akhuwat University, Pakistan and Editor of International Econometric Review

<https://asadzaman.net/about-me/>

[https://scholar.google.com/citations?user=U9ClpgAAAAJ&**hl=en**](https://scholar.google.com/citations?user=U9ClpgAAAAJ&hl=en)

Conference Location: Ankara Yıldırım Beyazıt University, Etlik Milli İrade Campus

Please submit your abstracts by filling the Abstract Submission Form (https://www.era.org.tr/datamaclea25\_form.html) until April 20, 2025.

Book of abstract will be published.

Proceeding of the Conference will be published.

Publication Opportunity

International Econometric Review (IER)

Frontiers in Energy Economics (FEE)

Adam Academy Journal of Social Sciences

CONCEPT NOTE

We welcome original papers from researchers, practitioners, and students within the context of the above main topic, but you are not limited to this. The below topics are also welcomed.

|  |
| --- |
| **1. Data Economy and Policies** |
|  | * Data policy and the regulation of data spaces
* Data and digital economy
* Economics of data
* Nature of data as an economic good
* Value chain associated with data
 |
| **2. Machine Learning and Data Mining** |
|  | * Machine Learning Models and Algorithms: Unsupervised learning, deep learning, reinforcement learning, ensemble methods, interpretability, and beyond.
* Data Mining and Big Data Analytics: Feature engineering, dimensionality reduction, anomaly detection, text mining, and web scraping.
* Scientific machine learning approaches in modeling and simulation.
* The relationship between simulation and machine learning.
* Applications of machine learning approaches.

|  |
| --- |
| **3. Predictive Analytics and Forecasting** |
|  | * Predictive Analytics and Modeling: Demand forecasting, risk analysis, market dynamics, and econometric modeling.
* Time Series Analysis and Forecasting: Econometric forecasting, signal processing, trend analysis, and anomaly detection.
 |
| **4. Natural Language Processing and Financial Data Analytics** |
|  | * Natural Language Processing for Economic Insights: Sentiment analysis, opinion mining, financial news analysis, and chatbots.
 |
| **5. Statistical Learning and Inference** |
|  | * Statistical Learning and Inference: Bayesian methods, causal inference, machine learning interpretability, and statistical model selection
 |

IMPORTANT DATES

|  |  |
| --- | --- |
| Abstract Submission Deadline | 27/04/2025 |
| Notification of Acceptance | 30/04/2025 |
| Early Registration | 30/04/2025 – 04/05/2025 |
| Late Registration | 05/05/2025 – 06/05/2025 |
| Submission of the Full Paper | 30/05/2025 |
| Conference Dates | 05/05/2025 – 06/05/2025 |

HONORARY COMMITTEEProf. Ali Cengiz KÖSEOĞLU, Ph.D.*Rector**Ankara Yıldırım Beyazıt University, Türkiye*Prof. Nevzat ŞİMŞEK, Ph.D.Rector*Fatih Sultan Mehmet Vakıf University, Türkiye* Prof. Murat YÜLEK, Ph.DRector*Ostim Technical University, Türkiye* |

ORGANIZING COMMITTEE

Assoc. Prof. Sıdıka BAŞÇI, Ph.D. (Chair)

*Ankara Yıldırım Beyazıt University, Econometric Research Association, Türkiye*

Prof. İbrahim DEMIR, Ph.D. (Co-Chair)

*Ankara Yıldırım Beyazıt University, ULİSA-IIRSR, Türkiye*

Prof. Murat ASLAN, Ph.D.

*Ankara Yıldırım Beyazıt University, Türkiye*.

Prof. Fatih Cemil ÖZBUĞDAY, Ph.D.

*Ankara Yıldırım Beyazıt University, Türkiye*

Assoc. Prof. Murad TİRYAKIOĞLU, Ph.D.

*Afyon Kocatepe University, Türkiye*

Mert AKYÜZ, Ph.D.

*Ankara Yıldırım Beyazıt University, Türkiye*

Ayşenur ŞAHINLER, Ph.D.

*Ankara Yıldırım Beyazıt University, Türkiye*Sümeyye YILDIZ, Ph.D

*Ankara Yıldırım Beyazıt University, Türkiye*

SCIENTIFIC COMMITTEE

Prof. Özgür Hakan AYDOĞMUŞ, Ph.D.
*Social Sciences University of Ankara, Türkiye*
Prof. Ahmet Faruk AYSAN, Ph.D.
*Hamad Bin Khalifa University, Qatar*
Prof. Mehmet BALCILAR, Ph.D.
*University of New Haven, USA*
Prof. Erkan Bayraktar, Ph.D.
*Gulf University of Science & Technology, Kuwait*
Prof. Mehmet Demirbağ
*University of Essex, UK*
Prof. Erkan ERDIL, Ph.D.
*Middle East Technical University, Türkiye*
Prof. Lokman GÜNDÜZ, Ph.D.
*Fatih Sultan Mehmet Vakıf University, Türkiye*
Prof. Bülent GÜLOĞLU, Ph.D.
*Istanbul Technical University, Türkiye*
Prof. Christian HAFNER, Ph.D.
*Université catholique de Louvain, Belgium*
Prof. İhsan IŞIK, Ph.D.
*Rowan University, USA*
Prof. Muhsin KAR, Ph.D.
*Central Bank of the Republic of Türkiye, Türkiye*
Prof. Mehmet Baha KARAN, Ph.D.
*Hacettepe University, Türkiye*
Prof. Turalay KENÇ, Ph.D.
*The INCEIF University, Malaysia*
Prof. Yılmaz KILIÇARSLAN, Ph.D.
*Anadolu University, Türkiye*
Prof. Arzdar KİRACI, Ph.D.
*Siirt University, Türkiye*
Prof. Aykut LENGER, Ph.D.
*Ege University, Türkiye*
Prof. Şaban NAZLIOGLU, Ph.D.
*Pamukkale University, Türkiye*
Prof. Nadir ÖCAL, Ph.D.
*Çankaya University, Türkiye*
Prof. Özlem ÖNDER, Ph.D.
*Ege University, Türkiye*
Prof. Mustafa ÖZER, Ph.D.
*Anadolu University, Türkiye*
Prof. Houcine SENOUSSI, Ph.D.
*CY Tech, France*
Prof. Ekrem TATOĞLU Ph.D.
*Gulf University for Science and Technology, Kuwait*
Prof. James THEWISSEN, Ph.D.
*Université catholique de Louvain, Belgium*
Prof. Asad ZAMAN, Ph.D.
*Al-Nafi Online Educational Platform, Pakistan*
Assoc. Prof. Adam P. BALCERZAK, Ph.D.
*Universityof Warmia and Mazury, Poland*
Assoc. Prof. Fatma Özgü SERTTAŞ, Ph.D.
*Ankara Yıldırım Beyazıt University, Türkiye*
Assoc. Prof. Önder ÖZGÜR, Ph.D.
*Ankara Yıldırım Beyazıt University, Türkiye*
Assist. Prof. Saud Ahmed KHAN, Ph.D.
Pakistan Institute of Development Economics, Pakistan
Gazi I. KARA, Ph.D
*Board of Governors of the Federal Reserve System, USA*
Mehmet Fatih Öztek, Ph.D.
*Ankara Yıldırım Beyazıt University, Türkiye*

# SECRETARIAT

Bilge TİRYAKIOGLU
btiryakioglu@ead.org.tr
Res. Asst. Elmas BENER OTACI
*Ankara Yıldırım Beyazıt University, ULİSA-IIRSR*
Res. Asst. Muhammed ORUÇ
*Ankara Yıldırım Beyazıt University, ULİSA-IIRSR*
Ömer Faruk ACAR
ofacar@ead.org.tr
Ömürhan KOÇ
omurhankoc@ead.org.tr

# SUPPORTING UNIVERSITIES

Ankara Yıldırım Beyazıt University, Türkiye
Fatih Sultan Mehmet Vakıf University*, Türkiye*

Ostim Technical University, Türkiye

# OTHER SUPPORTING INSTITUTIONS

Ulakbim, Türkiye

Management and Economics Club, Ankara Yıldırım Beyazıt University, Türkiye

Economic and Social Research Society, Ostim Technical University, Türkiye

# SPONSORS

Central Bank of the Republic of Türkiye

Turkish Airlines

Ankara Düşünce ve Araştırma Merkezi

ODTÜ Mezunlar Birliği Vakfı

Artifical Intelligence and Technology Association