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| Econometric Research Association  2nd International Data Analytics and Machine Learning Conference  DATAMACLEA’25 |
| may 5-6, 2025  Econometric Research Association (ERA)  Ankara Yıldırım Beyazıt University, Institute for International Relations and Strategic Research (ULISA-IIRSR) |

# CALL FOR PAPERS

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

DATAMACLEA’25

May 5-6, 2025

Econometric Research Association (ERA) is excited to unveil the 2nd International Data Analytics and Machine Learning International 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 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:** 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

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

**Conference Location:** Ankara Yıldırım Beyazıt University, Etlik Campus

Please submit your abstracts by filling the Abstract Submission Form (https://www.era.org.tr/datamaclea25\_form.html) until April 10, 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.

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| **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

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| Abstract Submission Deadline | 10/04/2025 |
| Notification of Acceptance | 15/04/2025 |
| Early Registration | 16/04/2025 – 30/04/2025 |
| Late Registration | 01/05/2025 – 05/05/2025 |
| Submission of the Full Paper | 30/04/2025 |
| Conference Date | 05/05/2025 – 06/05/2025 |

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