

**Proceedings of the 3rd International Conference on Mathematical Statistics
and Economic Analysis**

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MSEA 2024

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Preface

In the year 2024, we gather once again at the 2024 3rd International Conference on Mathematical Statistics and Economic Analysis (MSEA 2024), an esteemed event that has long been a beacon of innovation and collaboration in the realm of mathematical statistics and economic analysis. This gathering, held virtually in Jinan, China from May 24th to 26th, 2024 under the auspices of leading experts and scholars from across the globe, aimed to further our understanding of the intricate intersections between mathematical statistics and the ever-evolving economic landscape.

The conference kicked off with a series of keynote speeches delivered by prominent figures from both the academic and industrial worlds. The speakers shared their insights on the current status as well as future direction of mathematical statistics and economic analysis. On the report Intraday Return Predictability in the Crude Oil Market: The Role of EIA Inventory Announcements, Assoc. Prof. Yahua Xu (Central University of Finance and Economics, China) together with her team studied the impact of the announcements released by the US Energy Information Administration (EIA) crude oil storage every Wednesday at 10:30 ET (the beginning of the third half-hour interval) on intraday return predictability, that is, intraday momentum. All these speeches set the tone for the entire event, highlighting the critical role of mathematical statistics in driving global economic growth and social development.

Subsequently, many oral presentations were held, covering such topics as Internet Economy, Mathematical Finance, Financial Markets and Investments, Business Big Data Analytics, Low Carbon Development, Information and Computing Science, Applied Mathematics, etc. These presentations led to lively discussions and engaged the audience in meaningful debates. And the exchange of ideas and perspectives was truly inspiring, generating new insights and potential collaborations.

The papers, gone through rigorous peer review and included in this Proceedings, represent a diverse array of research topics and perspectives, reflecting the breadth and depth of the field. Besides, these contributions offer insights into the current state of the art and point to future directions for research.

As we move forward, we look forward to the continued growth and impact of the MSEA conference. We hope that this Proceedings will serve as a valuable resource for researchers, practitioners, and policymakers alike, inspiring new ideas and collaborations that will further propel relevant fields forward.

Finally, we would like to express our sincere thanks to the organizing committee, sponsors, and participants for their unwavering support and enthusiasm for this conference. Together, we have created a vibrant and inclusive environment that fosters innovation and excellence in the fields of mathematical statistics and economic analysis.

The Committee of MSEA 2024

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