ΟΙΚΟΝΟΜΙΚΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΘΗΝΩΝ ATHENS UNIVERSITY OF ECONOMICS AND BUSINESS

ΣΧΟΛΗ ΕΠΙΣΤΗΜΩΝ & ΤΕΧΝΟΛΟΓΙΑΣ ΤΗΣ ΠΛΗΡΟΦΟΡΙΑΣ SCHOOL OF INFORMATION SCIENCES & TECHNOLOGY

ΤΜΗΜΑ ΣΤΑΤΙΣΤΙΚΗΣ DEPARTMENT OF STATISTICS

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PRESS RELEASE

International HERMES Ph.D. Workshop 2023: "Data Science in Business"

The Department of Statistics, Athens University of Economics and Business, successfully organized the International HERMES Ph.D. Workshop 2023: "Data Science in Business", on June 7th and 8th, 2023, at the premises of the Athens University of Economics and Business.

The Workshop's participants came from a multitude of European Universities, namely:

- Academia de Studii Economice din București *(Romania)*
- Department of Statistics, Athens University of Economics and Business *(Greece)*
- International Hellenic University *(Greece)*
- Leopold-Franzens Universität Innsbruck *(Austria)*
- Maynooth University *(Ireland)*
- Technische Universität Dresden *(Germany)*
- Università Ca' Foscari Venezia *(Italy)*
- Universidad de Alcalá *(Spain)*
- Università di Pavia *(Italy)*
- University of Economics in Bratislava *(Slovakia)* and
- University of Lausanne *(Switzerland)*.

The Workshop comprised 12 Oral Presentations and 10 Poster Presentations, all followed by informal discussions and exchange of ideas between participants, making this event the perfect opportunity for insightful, multicultural research exchange and networking, among Ph.D. students of various different fields of expertise.

On the first day of the Workshop (June 7th, 2023), all participants gathered at the Amphitheater (Floor -1) of the New AUEB Building (*Troias 2 and Spetson*), where they received a warm welcome from the Vice Rector of AUEB, Professor Vasilis Papadakis, the Head of the Department of Statistics, Professor Ioannis Ntzoufras, as well as the President of HERMES, Elke Kitzelmann (Associate Dean of Studies, International Economic & Business Studies, University of Innsbruck):

Angelos Alexopoulos (AUEB), then, officially initiated the event, by delivering their Keynote Speech, entitled: *"A Machine Learning and Network approach to Value Added Tax Fraud Detection":*

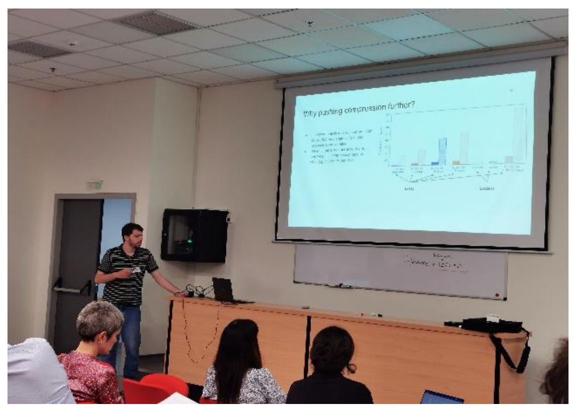
The Keynote Speech was followed by a short break, which gave all attendees the opportunity to slowly get to know each other:

The first Session of the Workshop (Chair: Bernhard Schipp, T.U. Dresden), comprised the following Oral Presentations:

1. Juan Felipe Santos Marquez *(Technische Universitat of Dresden):* *[Tri-border Areas and the Location of Economic Activity in Open Economies](#)*:

2. Miruna Proscanu and Cosmin Proscanu *(Bucharest University of Economic Studies):* *Electricity consumption forecasts for Romania. Deep Learning versus Time Series models*

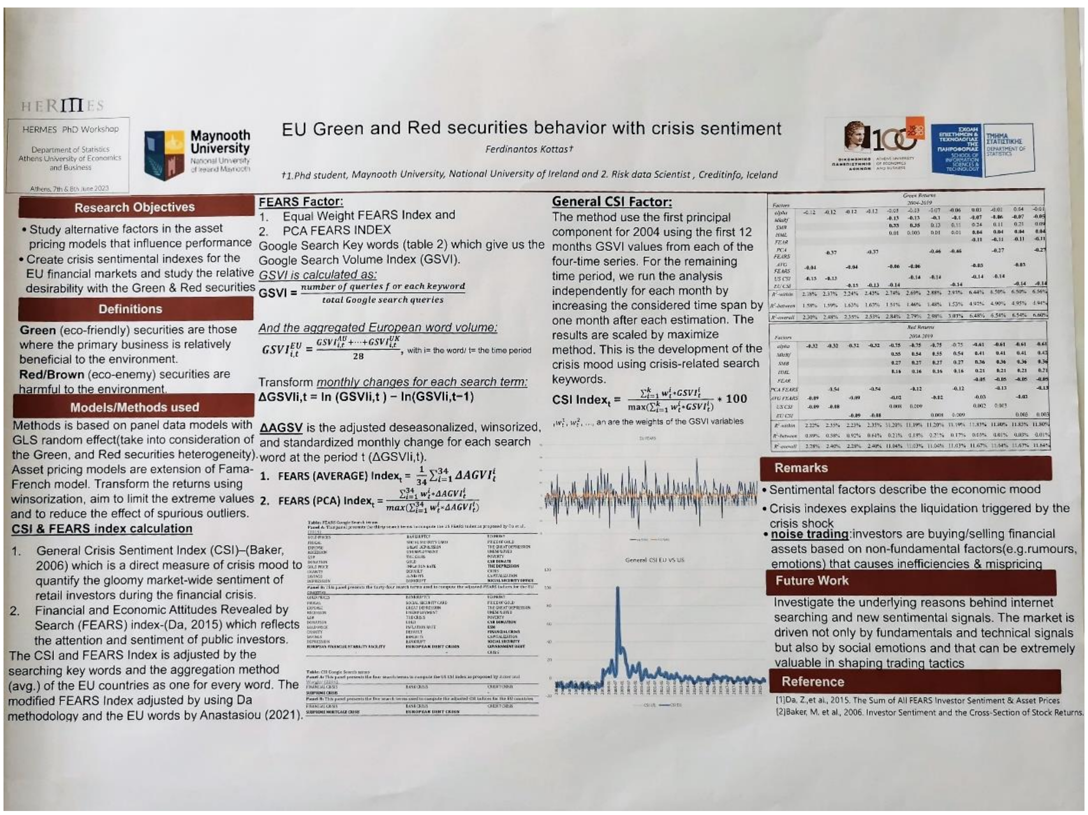
3. Xenophon Kitsios *(AUEB):* *A Time Series Compression Technique*:



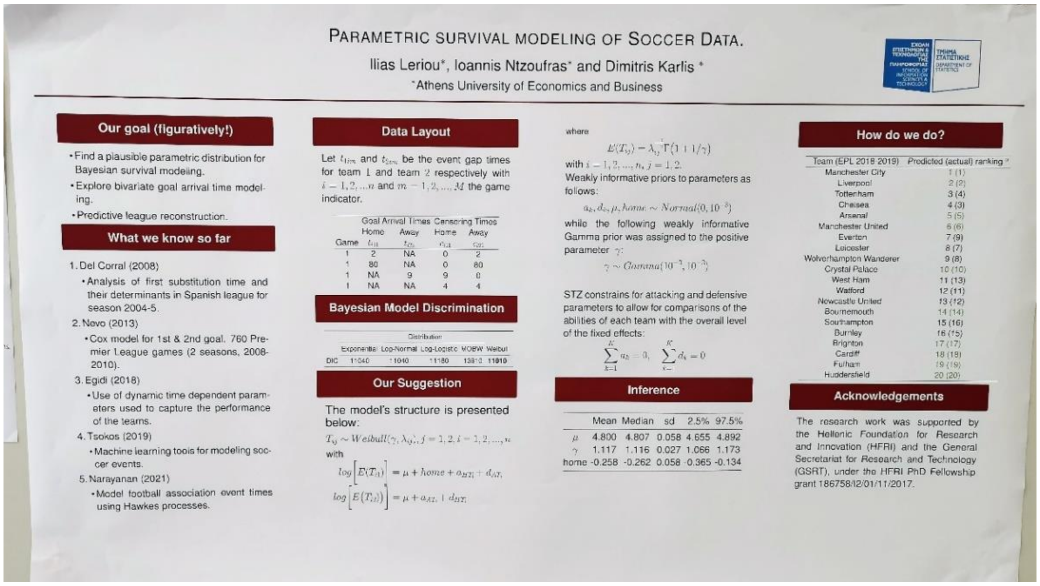
The Oral Presentations were succeeded by Poster Presentations, accompanied with a lunch break, at the Antoniadou Amphitheater of the Main AUEB Building: (*Patission 76*)*:*

The topics covered through the Workshop's Poster Presentations were rather broad:

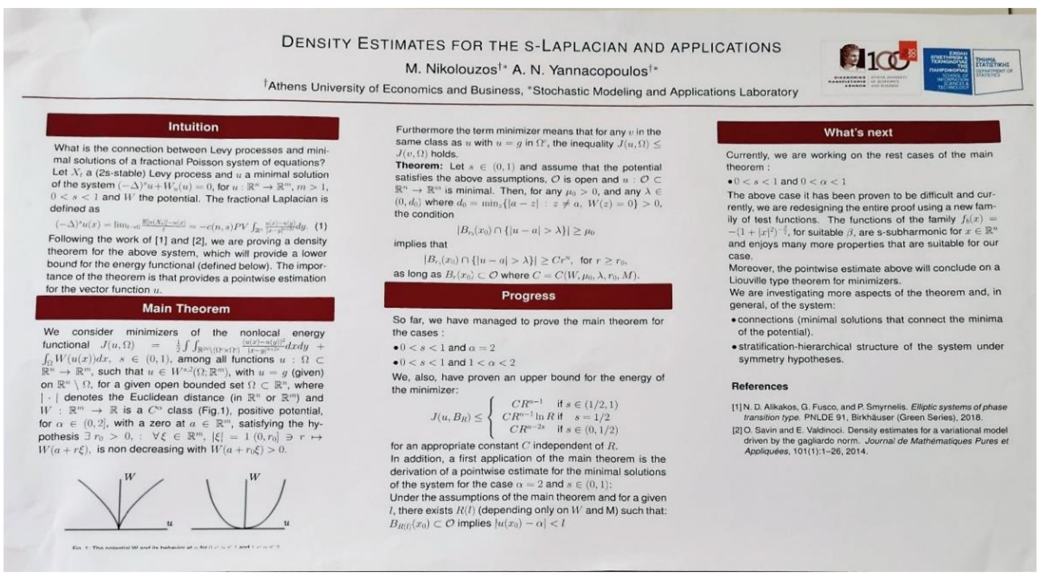
1. EU Green and Red securities behavior with crisis sentiment *(Ferdinantos Kottas, Maynooth University):*



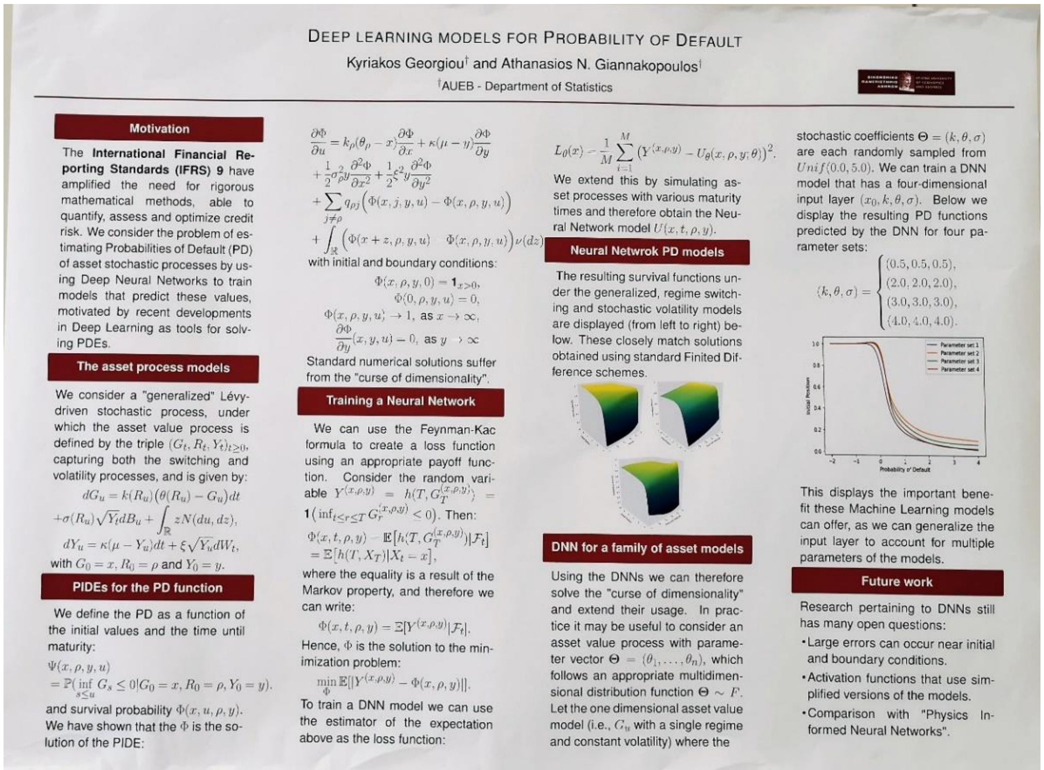
2. Parametric Survival Modeling of Soccer Data *(Ilias Leriou, AUEB):*



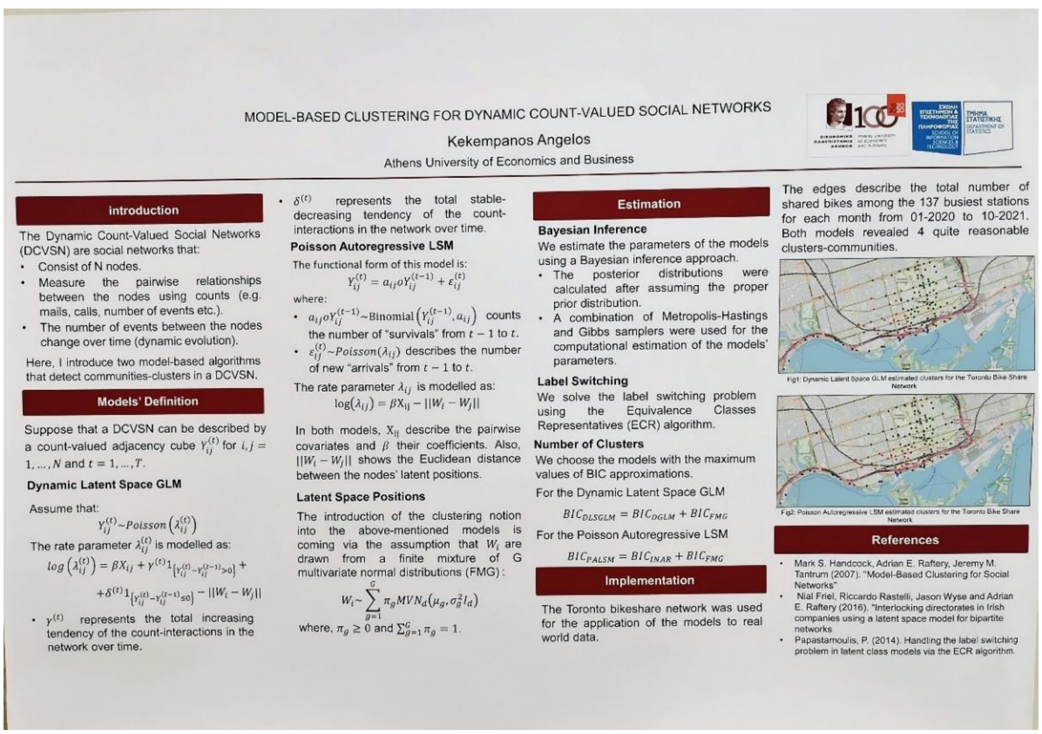
3. Density Estimates for the S-Laplacian And Applications *(Michael Nikolouzos, AUEB)*:



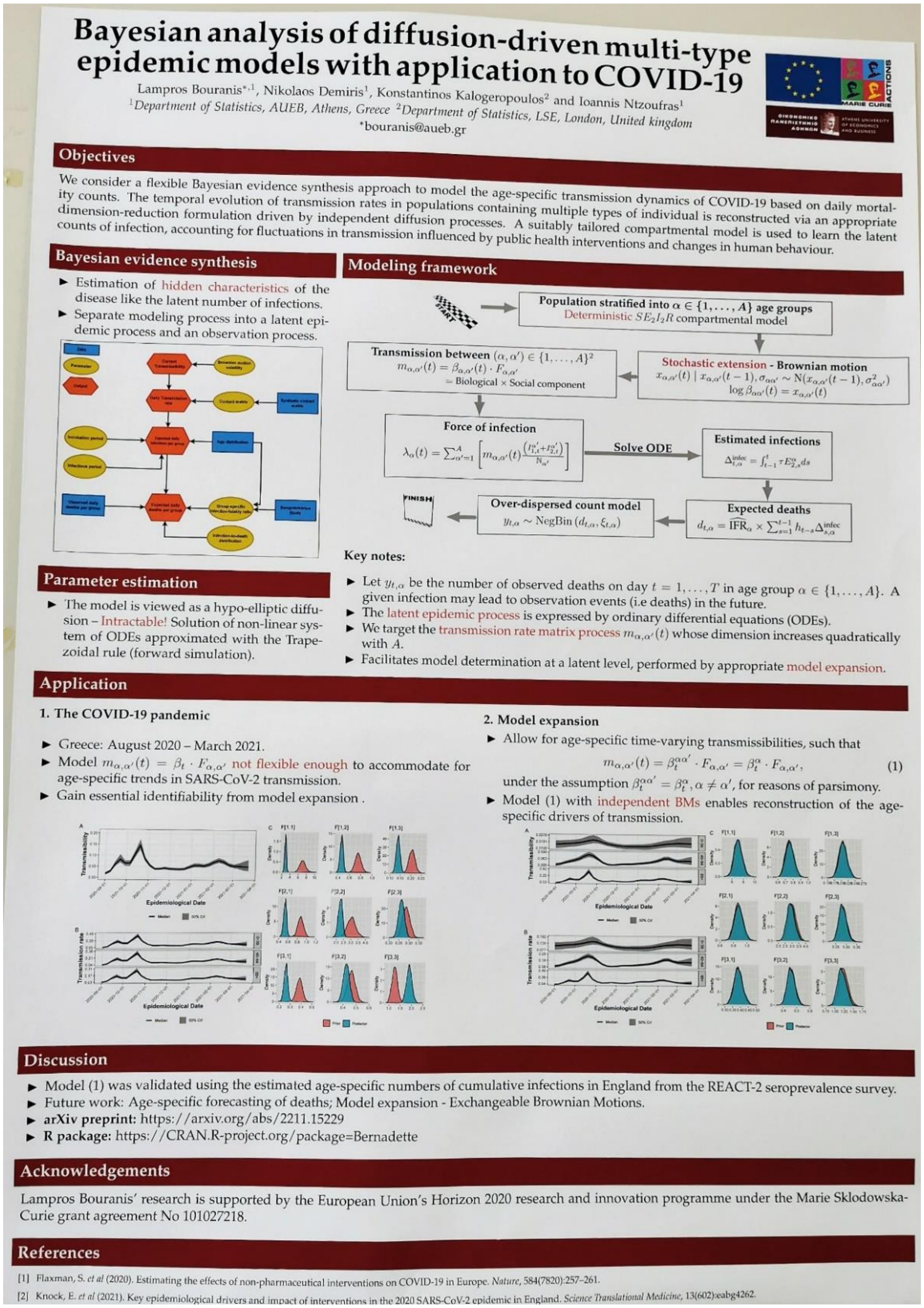
4. Deep Learning Models for Probability of Default *(Kyriakos Georgiou, AUEB):*



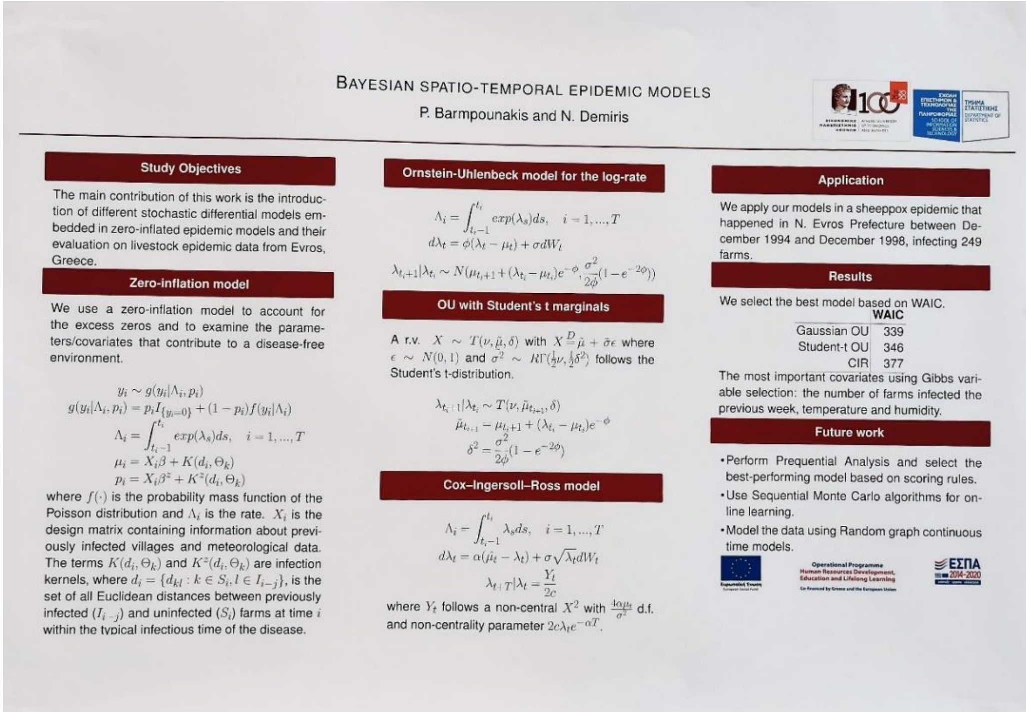
5. Model-Based Clustering for Dynamic Count-Valued Social Networks *(Angelos Kekempanos, AUEB)*:



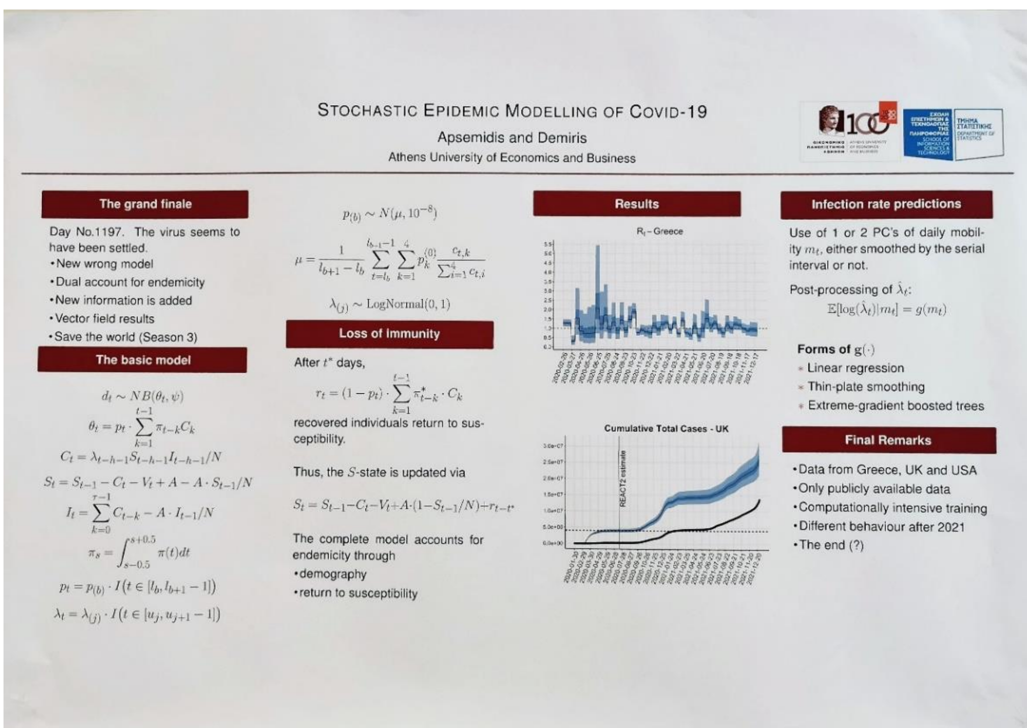
6. Bayesian analysis of diffusion-driven multi-type epidemic models with application to COVID-19 *(Lampros Bouranis, AUEB):*



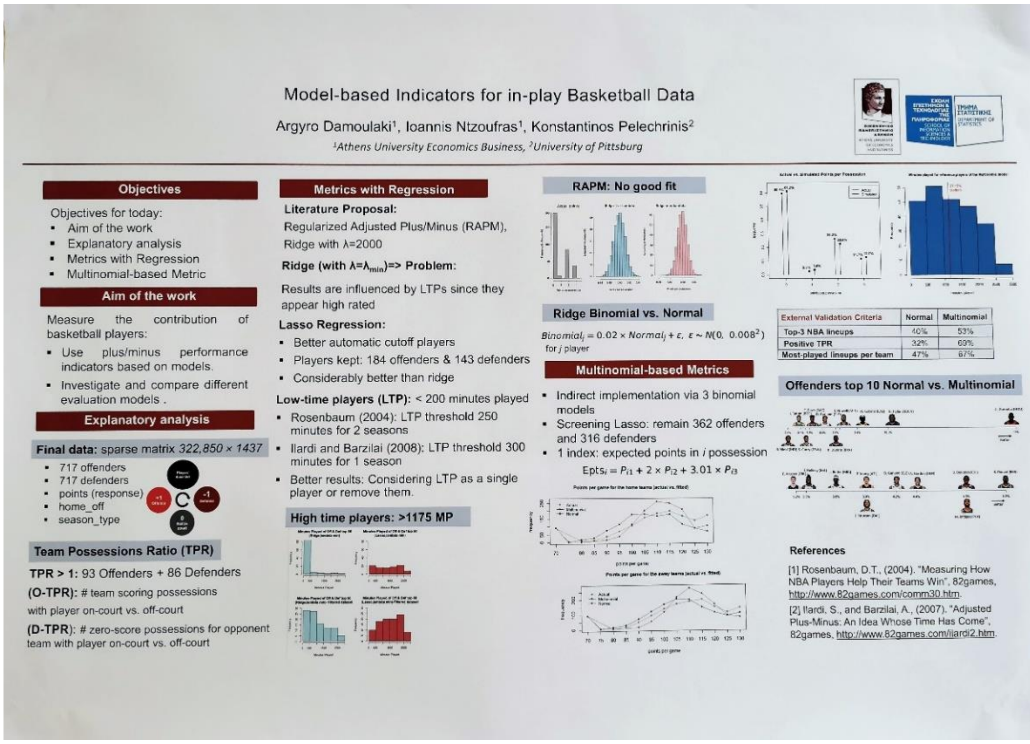
7. Bayesian Spatio-Temporal Epidemic Models *(Petros Barmpounakis, AUEB):*



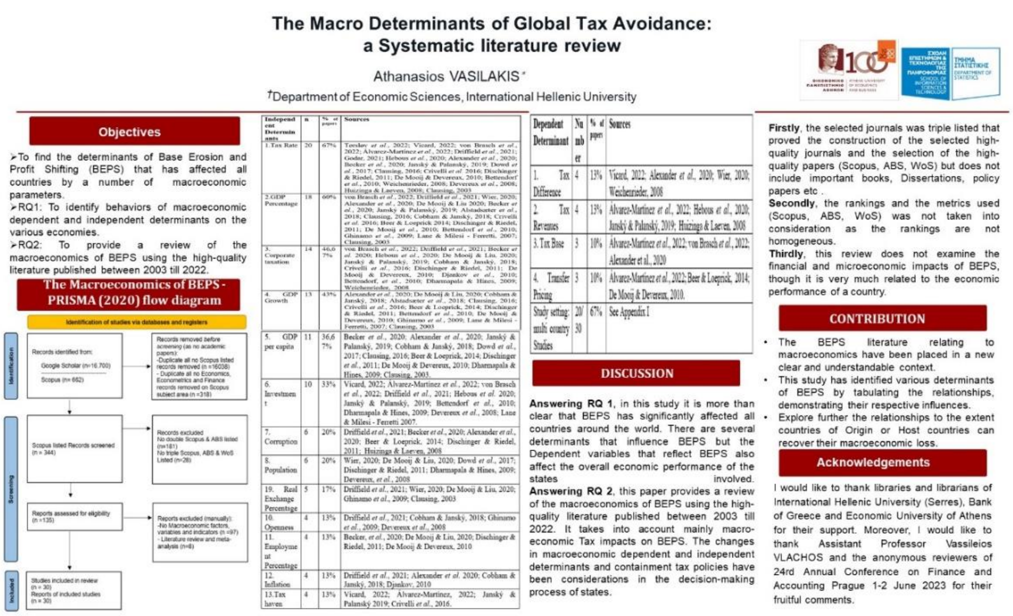
8. Stochastic Epidemic Modeling of COVID-19 *(Anastasios Apsemidis, AUEB):*



9. Model-based Indicators for in-play Basketball Data *(Argyro Damoulaki, AUEB)*:



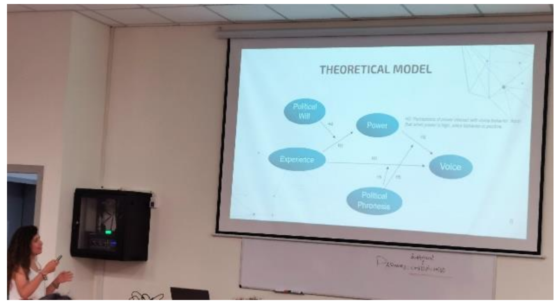
10. The Macro Determinants of Global Tax Avoidance: a Systematic literature review *(Athanasios Vasilakis, International Hellenic University)*:



The first day of the Workshop came to an end, at the Amphitheater (Floor -1) of the New AUEB Building (*Troias 2 and Spetson*), with the delivery of the following 3 Oral Presentations (Chair: Chiara Saccon, Universita Ca Foscari, Venezia):

1. Irina Rodriguez De La Flor Demarcos *(University Of Alcala):* [*Inner Knowledge, A New Tool For Businesses*]()

2. Stoumpou Dimitra *(AUEB) :* [*Exploring the Interplay of Individual Experience, Perceived Power, and Political Will: Insights into Voice Behavior among Managers and Leaders*]():



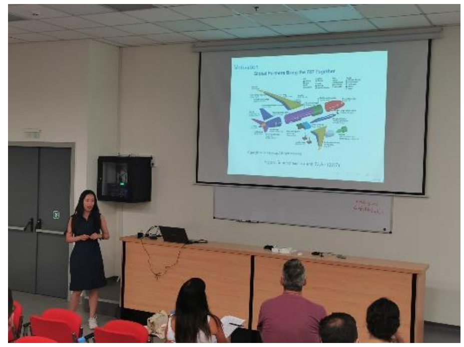
3. Rizwan Ahmad (Universita Ca Foscari, Venezia): [*Big Data and Hospital Sustainable Performance: Unpacking the Role of Green Suppliers Collaboration, Resilience and Commitment*]():

Once these Presentations were over, participants were ready to call it quits for the day and get ready for Day 2:

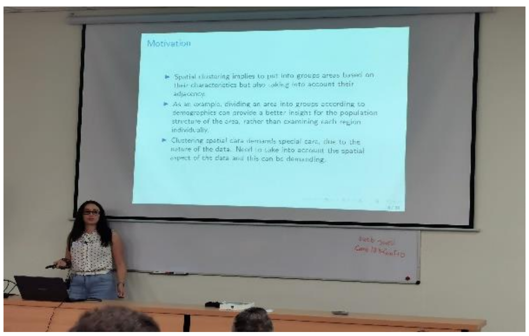
The Oral Presentations of the second day of the Workshop (June 8th, 2023) were off to a good start (Chair: Ioannis Ntzoufras, Athens University of Economics and Business):

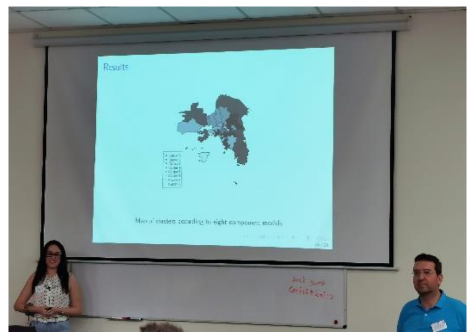
1. Glynos Dimitrios *(Technische Universitat of Dresden) :* [*Effects of temperature on gas and electricity consumption in European countries: A high-resolution data analysis*]()

2. Yao Zhixiao *(Technische Universitat of Dresden):* *Speaking a Common Technical Language: ISO Membership and Non-tariff Trade Barriers*



3. Anna Nalpantidi *(AUEB):* *Model Based Clustering for Spatial Data*:



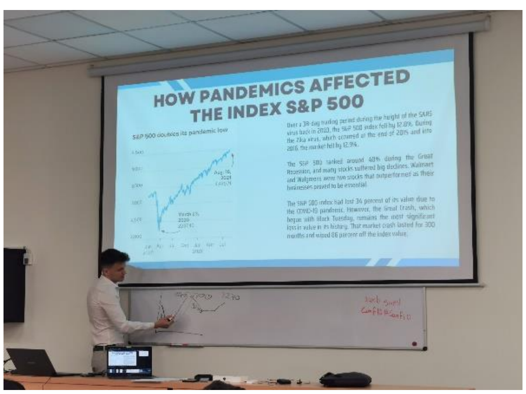


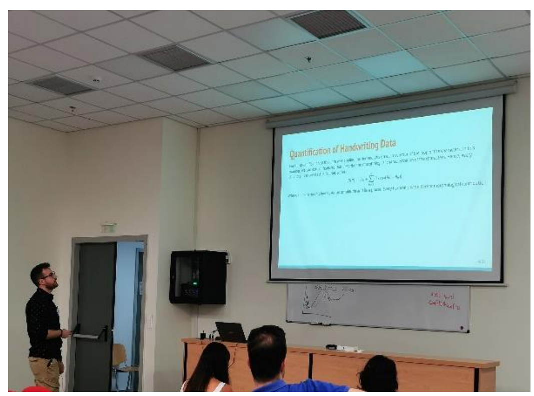
Upon completion, a short break took place, throughout which, we made sure to take a few group pictures:

The last Session of the Workshop (Chair: Claudia Tarantola, Università di Pavia), revolved around the following Oral Presentations:

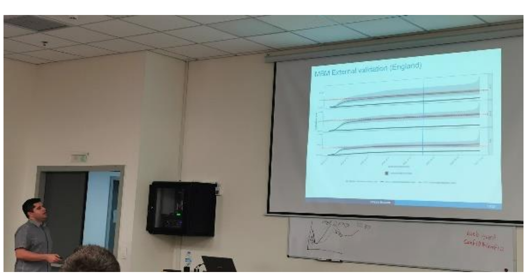
1. Kalamen Kristian *(University of Bratislava) :* *Pandemic economic crises*

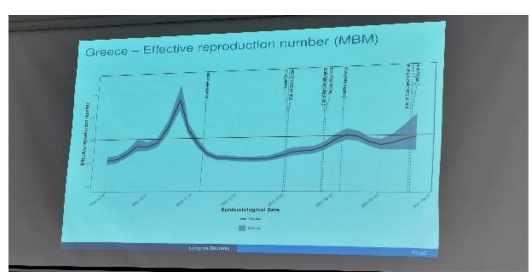
2. Lampis Tzai *(AUEB and UNIL):* *Statistical Examination Handwriting Evidence in Forensic Science*:





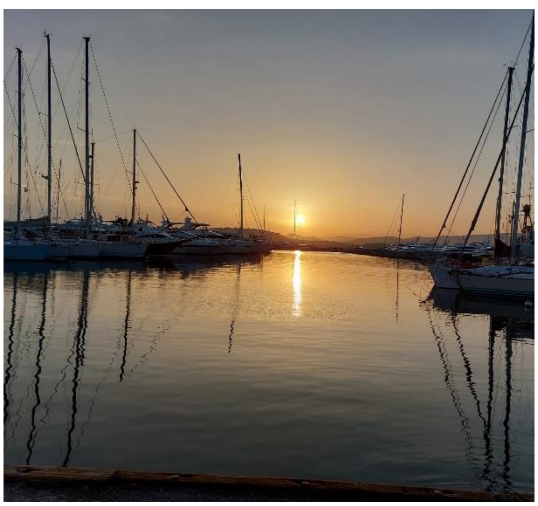
3. Lambros Bouranis (*AUEB) Bayesian analysis of diffusion-driven multi-type epidemic models with application to COVID-19*:

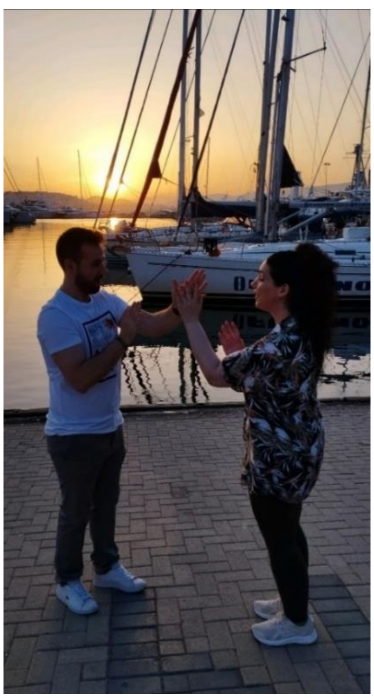




It was, then, time for lunch, at the Restaurant of the Main AUEB Building, which was characterized by lots of laughs and healthy food:

On the same night, all Oral Presenters were invited to dinner. We took great delight in the beautiful sunset, took lots of pictures and created memories that will, most definitely, last a lifetime:





As the Workshop came to an end, we were filled with emotions of sheer joy. Emotions converging to the notions of mutual respect towards each other's research work, empathetic feedback, fruitful conversations, networking appreciation and utter contentment!

We would like to thank everyone involved in this Workshop, for turning it into such an unforgettable experience, as well as the Higher Education and Research in Management of European Universities (HERMES), for making this all happen! May this just be the beginning of such multicultural events, within our University and the Department of Statistics!

For more information on the International HERMES Ph.D. Workshop 2023: “Data Science in Business”, please refer to its Official Website:

https://sites.google.com/view/aueb-phd-hermes-workshop-2023/home