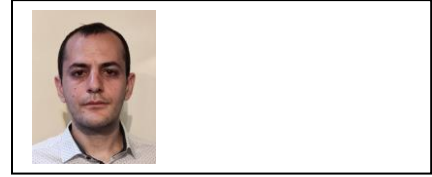


Christos Thomadakis

Citizenship: Hellenic **Date of birth (DMY):** 24/02/1989
Telephone number: +30 6932602991
Email: cthomadak@aueb.gr
29/09/2025



Summary

Christos Thomadakis is an Assistant Professor in the Department of Statistics at the Athens University of Economics and Business. He received his degree in Mathematics from the National and Kapodistrian University of Athens (NKUA), specializing in Statistics and Operational Research, and continued with postgraduate studies in “Biostatistics” (NKUA). His doctoral dissertation focused on the development of methods for joint modeling of longitudinal and survival data, while his research trajectory includes participation in national and European research projects at NKUA and the University of Cyprus. He has been awarded the "Eleneio" Prize for Best Doctoral Thesis in Statistics (2021–2022), as well as PhD student awards from international conferences (ISCB, EMR-IBS), and has been invited as a speaker at international conferences, including the 64th International Statistical Institute (ISI).

His research interests focus on developing methodologies for joint modeling of longitudinal markers and failure events, on nonparametric Bayesian approaches for mixed models using Dirichlet processes, and on building user-friendly libraries (primarily in R) for applications to data from people living with HIV. He is also engaged in developing Bayesian multiparameter evidence synthesis methods to estimate the prevalence of chronic hepatitis C across European Union countries. He has published in leading Biostatistics and Statistics journals (Bayesian Analysis, Biometrics, Biostatistics, Statistics in Medicine, among others) as well as in high-impact Medical and Epidemiology journals (The Lancet Regional Health – Europe, American Journal of Epidemiology, among others).

Education

Phd Dissertation title: “*Statistical modeling of CD4 cell count evolution in HIV-positive individuals before and after antiretroviral treatment initiation under missing data due to various dropout mechanisms*”

Laboratory of Hygiene, Epidemiology and Medical Statistics, Medical School, National and Kapodistrian University of Athens (NKUA) [03/2016–06/2022]

Link: <https://www.didaktorika.gr/eadd/handle/10442/51791>

Final grade: Excellent Supervisory committee: Giota Touloumi (Supervisor), Loukia Meligkotsidou, Constantin T. Yiannoutsos

MSc

Interdepartmental MSc Program “Biostatistics,” Medical School & Department of Mathematics, National and Kapodistrian University of Athens (NKUA) [09/2012–03/2015]

Final grade: 9.57/10

Master’s thesis: *Bayesian inference for survival analysis models*

Link: <https://pergamos.lib.uoa.gr/uoa/dl/frontend/el/browse/1312813#contents>

BSc in Mathematics

Department of Mathematics, National and Kapodistrian University of Athens (NKUA) [09/2006–06/2012]

Final grade: 7.40/10

Professional Experience

Assistant Professor of Statistical Methodology Department of Statistics, Athens University of Economics and Business (AUEB) [October 2025]

Adjunct Lecturer Department of Statistics, School of Information Sciences and Technology, AUEB [2024–2025]

Independent teaching of undergraduate courses

Co-Investigator, University of Cyprus [2023]

Role: **Co-Investigator (co-PI)** [Principal Investigator: Georgios Nikolopoulos] in the research project “Hepatitis C Virus Prevalence Estimated by PCR-Positive in Spain” (Grant number: 913552), funded by the Spanish Ministry of Health [Spanish PI: Julia del Amo], through the University of Cyprus (Funding: €17,678.10).

- Developed and implemented a Bayesian multiparameter evidence synthesis approach, adapted for Spanish data, combining information from multiple sources to estimate the prevalence of chronic hepatitis C in Spain.
- Presented findings at conferences and workshops; contributed to peer-reviewed publication.

Adjunct Lecturer Department of Statistics, School of Information Sciences and Technology, AUEB [2023–2024]

Independent teaching of undergraduate courses

University Fellow Department of Statistics and Insurance Science, School of Finance and Statistics, University of Piraeus [2022–2023]

Independent teaching of undergraduate courses

Research Scientist – Co-Investigator, University of Cyprus [2021–2022]

Role: Co-Investigator (co-PI) [Principal Investigator: Georgios Nikolopoulos] in the research project “Estimating Hepatitis C burden in EU/EEA” (UCY Grant number: ECD.12286 Ref: 12627), funded by the European Centre for Disease Prevention and Control (ECDC) through the University of Cyprus (Funding: €75,122).

- Developed and implemented Bayesian multiparameter evidence synthesis methods for estimating chronic hepatitis C prevalence in each EU country.
- Drafted a unified protocol (mainly responsible for specific work packages), approved by ECDC.
- Created automated country-specific reports (via R Markdown) including results for each country.
- Coordinated with national HCV focal points (ECDC contacts) through teleconferences, revising reports as needed until consensus was reached.
- Presented results at international conferences and workshops; co-authored a peer-reviewed publication in The Lancet group.

Biostatistics Research Associate Laboratory of Hygiene, Epidemiology and Medical Statistics, Medical School, National and Kapodistrian University of Athens (NKUA) [01/2015–2025]

Participation in several funded research projects conducted through the Laboratory, mainly under the scientific supervision of Prof. Giota Touloumi.

- Developed novel statistical methodologies addressing challenges in analyzing data from people living with HIV, focusing on Bayesian/Frequentist methods for longitudinal data with missing values.
- Conducted statistical analyses, authored scientific papers, produced technical reports, and delivered conference presentations.
- Data management and quality control.

Teaching Experience

Adjunct Lecturer Department of Statistics, School of Information Sciences and Technology, Athens University of Economics and Business (AUEB)

- [02/2025–09/2025] **Independent teaching:**
 1. Statistics II: Inference and Regression (taught in English)
 2. Categorical Data Analysis (taught in English)

Program: Acquisition of Academic Teaching Experience for Early-Career PhD Holders, AUEB
- [10/2024–02/2025] **Independent teaching:**
 1. Statistics I: Probability and Estimation (elective, 1st semester, taught in English)
- [02/2024–09/2024] **Independent teaching:**
 1. Statistics II: Inference and Regression (taught in English)
 2. Categorical Data Analysis (taught in English)

Program: Acquisition of Academic Teaching Experience for Early-Career PhD Holders, AUEB
- [10/2023–02/2024] **Independent teaching:**
 - Statistics I: Probability and Estimation (elective, 1st semester, taught in English)
 - Tutorial teaching: Linear Models

University Fellow Department of Statistics and Insurance Science, School of Finance and Statistics, University of Piraeus [2022–2023]

Independent teaching:

1. Biostatistics
2. Multivariate Analysis
3. Statistical Software II

Program: Acquisition of Academic Teaching Experience for Early-Career PhD Holders, University of Piraeus

Undergraduate Co-Teaching [2022–2023]

1. Participation in the English-language undergraduate program of the Medical School (NKUA), “Medical Degree” Teaching: Medical Statistics (10 teaching hours, 1st semester, AY 2022–2023)

Graduate Teaching [2022–present]

Interdepartmental MSc Program “Biostatistics and Health Data Science” (Medical School and Department of Mathematics, NKUA):

1. Basic Mathematics (2022–present)

2. Analysis of Repeated Measures Data (2022–2023)
3. Survival Analysis (2022–present)
4. Analysis of Missing Data (2024, independent teaching))

Laboratory Teaching (Computer Sessions) [2016–2022]

MSc Program “Biostatistics”, Medical School and Department of Mathematics, NKUA

- Preparation and editing of teaching material, grading, and teaching of computer-based sessions:
 - Survival Analysis
 - Clinical Trials (until 09/2022)

Short Courses

1. Dynamic Predictions for Longitudinal and Time-to-Event Outcomes, with Applications in R. Co-teaching (with Prof. Dimitris Rizopoulos) at ISCB Conference (2024), Thessaloniki. Link: <https://iscb2024.info/pre-conference-courses-new/>

Publications

1. **Thomadakis C** and Ntzoufras I, Contributed discussion on García-Donato et al. (2025). *Bayesian Analysis*. Accepted (2025).
2. **Thomadakis C**, Meligkotsidou L, Pantazis N, Touloumi G, Shared parameter modeling of longitudinal data allowing for possibly informative visiting process and terminal event. *Biostatistics*; 2024.
<https://doi.org/10.1093/biostatistics/kxae041>
3. **Thomadakis C**, Basoulis D, Tsachouridou O, Protopapas K, Paparizos V, Astriti M, Chini M, Chrysos G, Marangos M, Panagopoulos P, et al. HCV Cascade of Care in HIV/HCV Co-Infected Individuals: Missed Opportunities for Micro-Elimination. *Viruses*; 2024.
<https://doi.org/10.3390/v16060885>
4. **Thomadakis C**, Gountas I, Duffell E, Gountas K, Bluemel B, Seyler T, ... & Nikolopoulos G Prevalence of chronic HCV infection in EU/EEA countries in 2019 using multiparameter evidence synthesis. *The Lancet Regional Health–Europe*; 2024.
[https://www.thelancet.com/journals/lanep/article/PIIS2666-7762\(23\)00211-9/fulltext](https://www.thelancet.com/journals/lanep/article/PIIS2666-7762(23)00211-9/fulltext)
5. Gountas I, **Thomadakis C**, Duffell E, Gountas K, Bluemel B, Seyler T, ... & Nikolopoulos G. Estimation of prevalence of chronic HCV infection in EU/EEA countries using multiparameter evidence synthesis. *Journal of Hepatology*; 2023 (Abstract publication)

[https://www.journal-of-hepatology.eu/article/S0168-8278\(23\)02384-X/abstract#articleInformation](https://www.journal-of-hepatology.eu/article/S0168-8278(23)02384-X/abstract#articleInformation)

6. **Thomadakis C**, Pantazis N, Touloumi G. Issues with the expected information matrix of linear mixed models provided by popular statistical packages under missingness at random dropout. *Statistics in Medicine*; 2023.
<https://onlinelibrary.wiley.com/doi/10.1002/sim.9754>
7. **Thomadakis C**, Yiannoutsos CT, Pantazis N, Diero L, Mwangi A, Musick BS, ... & Touloumi G. The effect of HIV treatment interruption on subsequent immunological response. *American Journal of Epidemiology*; 2023
<https://academic.oup.com/aje/article/192/7/1181/7115980>
8. **Thomadakis C**, Meligkotsidou L, Yiannoutsos CT, & Touloumi G. Joint modeling of longitudinal and competing-risk data using cumulative incidence functions for the failure submodels accounting for potential failure cause misclassification through double sampling. *Biostatistics*; 2024. <https://academic.oup.com/biostatistics/article/25/1/80/6798066>
9. Touloumi G, **Thomadakis C**, Pantazis N, Papastamopoulos V, Paparizos V, Metallidis S, ... & Antoniadou A. HIV continuum of care: bridging cross-sectional and longitudinal analyses. *AIDS*; 2022.
https://journals.lww.com/aidsonline/Abstract/2022/03150/HIV_continuum_of_care_bridging_cross_sectional.12.aspx
10. **Thomadakis C**, Meligkotsidou L, Pantazis N, Touloumi G. Rejoinder to “Biased Estimation With Shared Parameter Models in the Presence of Competing Dropout Mechanisms”. *Biometrics*; 2022; <https://onlinelibrary.wiley.com/doi/10.1111/biom.13437>
11. **Thomadakis C.**, Meligkotsidou L., Pantazis N., & Touloumi G. Misspecifying the covariance structure in a linear mixed model under MAR drop-out. *Statistics in Medicine*; 2020. <https://onlinelibrary.wiley.com/doi/abs/10.1002/sim.8589>
12. Touloumi G, **Thomadakis C** et al. HIV continuum of care: bridging cross-sectional and longitudinal analyses. EACS 2019 – Abstract Book. *HIV Med.* (Abstract publication)
<https://onlinelibrary.wiley.com/doi/10.1111/hiv.12814>
13. Psychogiou M, **Thomadakis C**, et al. HCV cascade of care for HIV/HCV coinfecting individuals in Greece and HCV treatment considerations in clinical practice. EACS 2019 –

Abstract Book. *HIV Med.* (Abstract publication)

<https://onlinelibrary.wiley.com/doi/10.1111/hiv.12814>

14. Pantazis N, **Thomadakis C**, del Amo J, et al. Determining the likely place of HIV acquisition for migrants in Europe combining subject-specific information and biomarkers data. *Statistical Methods in Medical Research*; 2019.
<https://journals.sagepub.com/doi/abs/10.1177/0962280217746437>
15. **Thomadakis C**, Meligkotsidou L, Pantazis N, Touloumi G. Longitudinal and time-to-drop-out joint models can lead to seriously biased estimates when the drop-out mechanism is at random. *Biometrics*; 2018; <https://onlinelibrary.wiley.com/doi/10.1111/biom.12986>
16. Gournellis R, Tournikioti K, Touloumi G, **Thomadakis C**. et al. Psychotic (delusional) depression and completed suicide: a systematic review and meta-analysis. *Ann Gen Psychiatry*; 2018. <https://annals-general-psychiatry.biomedcentral.com/articles/10.1186/s12991-018-0207-1#citeas>
17. Skafida A, Mitrakou A, Georgiopoulos G, Alevizaki M, Spengos K, Takis K, Ntaios G, **Thomadakis C**, Vemmos K. In-hospital dynamics of glucose, blood pressure and temperature predict outcome in patients with acute ischaemic stroke. *European Stroke Journal*; 2018. <https://journals.sagepub.com/doi/10.1177/2396987318765824>
18. Gournellis R, Tournikioti K, Touloumi G, **Thomadakis C**, Michalopoulou PG, Christodoulou C, Papadopoulou A, Douzenis A. Psychotic (delusional) depression and suicidal attempts: a systematic review and meta-analysis. *Acta Psychiatrica Scandinavica*; 2017. <https://onlinelibrary.wiley.com/doi/10.1111/acps.12826>
19. Alvarez-del Arco D, Fakoya I, Thomadakis C, Pantazis N, Touloumi G, Gennotte AF, ... & Del Amo J. High levels of postmigration HIV acquisition within nine European countries. *AIDS*; 2017.
https://journals.lww.com/aidsonline/abstract/2017/09100/high_levels_of_postmigration_hiv_acquisition.10.aspx
20. Papatheodoridis G, Vlachogiannakos I, Cholongitas E, Wursthorn K, **Thomadakis C**, Touloumi G. and Petersen J. Discontinuation of oral antivirals in chronic hepatitis B: A systematic review. *Hepatology*; 2016.
<https://aasldpubs.onlinelibrary.wiley.com/doi/10.1002/hep.28438>

Manuscripts in Preparation / Under Review

1. Stamoulopoulos A, **Thomadakis C**, Touloumi G. *Joint modelling of longitudinal data and informative visiting process to predict subject-specific probabilities of future gaps in care*. Under review in ***Biostatistics***.
Awarded 1st Prize in the ISCB 2024 PhD Student Competition, Thessaloniki.
<https://iscb2024.info/preliminary-programme/>
2. **Thomadakis C**, Meligkotsidou L, Yiannoutsos CT, Touloumi G. *Joint modeling of longitudinal and competing-risk data under failure cause and censoring misclassification*. In preparation. Partially presented at the 45th Annual ISCB Conference, Thessaloniki.
3. Two manuscripts under the international START study (The Strategic Timing of AntiRetroviral Treatment):
 - a. Biomarker trajectories
 - b. Biomarkers trajectories and long-term clinical outcome
4. Baralou V, Thomadakis C, Demiris N, Touloumi G. *Statistical methods for detecting in real time the start and subsequent epidemic states of infectious disease outbreaks*. Submitted to Statistics in Medicine
5. Thomadakis C, Gountas I, Gountas K, Nuño Martínez N, Diaz A, del Amo J, Nikolopoulos G, and the Spanish Group for HCV Estimation. *Prevalence of active HCV infection in Spain in 2022 using multiparameter evidence synthesis*. In preparation. Collaboration with the Spanish Ministry of Health through the University of Cyprus.
6. Thomadakis C, et al. *Excess Mortality in Greece in 2020–2021*. In preparation
7. Touloumi G, Thomadakis C, et al. *The effect of the COVID-19 epidemic on the epidemiological course of HIV infection in Greece*. In preparation

Honors and Awards

[05/2023] 35th Panhellenic & 1st International Conference on Statistics: “Statistics in Health Sciences”

“Elenio” Award for Best Doctoral Dissertation in Statistics (2021–2022) Awarded by the Hellenic Statistical Institute for the best PhD dissertation in Statistics completed by a researcher of Greek origin between 2021–2022 (in Greece or abroad). The award included an invitation to present the dissertation research at the Panhellenic Conference on Statistics, a monetary prize of €500, and a two-year membership to the Institute.

Link: https://gsi-conference.uniwa.gr/CONFERENCE_PROGRAMMEv3_25.5.23_20.00.pdf

[03/2017] 9th Conference of the Eastern Mediterranean Region of the International Biometrics Society (EMR-IBS)

Student Conference Award Winner

Student Conference Award Winner Awarded in the PhD student competition of EMR-IBS (2017) for the work “Misspecifying the covariance structure in a linear mixed model under MAR dropout.”

Link: <http://www2.stat-athens.aueb.gr/~emribs/page/emr2017.html>

[07/2017] 38th Annual Conference of the International society of Clinical Biostatistics (ISCB), Vigo, Spain

Best Poster Award Winner

Awarded Best Poster Prize by the Scientific Committee of ISCB 2017 for the poster “*Comparing the fit of linear mixed models with different covariance structures based on Bayesian model comparison.*”

[03/2016] 37th Annual Conference of the International society of Clinical Biostatistics (ISCB) Birmingham, UK

Student Conference Award Winner

Awarded in the PhD student competition of ISCB (2016) for the work “Longitudinal and time-to-drop-out joint models can lead to seriously biased estimates when the drop-out mechanism is at random.” The work was blind-reviewed (author names and affiliations not disclosed) and evaluated by a distinguished panel of international biostatistics experts, including Nadine Binder (Chair, DE), Katherine Lee (Secretary, AU), Carl-Fredrik Burman (SE), Chris Metcalfe (UK), Dimitris Rizopoulos (NL), Hein Putter (NL), Jeremy Taylor (US), Richard Cook (CA), Thomas Jaki (UK), and Ulrich Mansmann (DE). Link: <https://www.iscb.info/files/folders/newsletter/iscbnl61.pdf> (page 12)

Creative / Research Projects

[2024-2025] The Strategic Timing of AntiRetroviral Treatment (START) study

Role: **Lead Statistician (principal statistical investigator)** on two projects within the international clinical trial “START,” which transitioned into a longitudinal cohort following the interim analysis. Notably, START’s results prompted changes to WHO guidelines recommending immediate initiation of antiretroviral therapy upon HIV diagnosis worldwide. Co-leads: Mauro Schechter, Tony Kelleher, Giota Touloumi. Projects:

1. Biomarker trajectories
2. Biomarker trajectories and long-term clinical outcome

[2023] Hepatitis C Virus Prevalence Estimated by PCR - Positive in Spain, University of Cyprus

Role: **Co-Investigator (co-PI)** [PI: Georgios Nikolopoulos] in the project “Hepatitis C Virus Prevalence Estimated by PCR-Positive in Spain” (Grant no. 913552), funded by the Spanish Ministry of Health [Spanish lead: Julia del Amo] via the University of Cyprus (Funding: €17,678.10).

- Developed and implemented a Bayesian Multiparameter Evidence Synthesis method, adapted to Spanish data, combining multiple data sources to estimate chronic hepatitis C prevalence in Spain.
- Presentations at:
 - 25th International Workshop on HIV & Hepatitis Observational Databases (IWHOD), Vilamoura, Portugal
 - Invited talk at the Spanish Ministry of Health (National Hepatitis C Action Plan workshop)
 - 11th Panhellenic Meeting “AIDS, Hepatitis & Emerging Diseases”
- Manuscript for an international peer-reviewed journal (in preparation).

[01/01/2023–18/09/2023] Design and Development of an Automatic Outbreak Detection System and Individual Risk Estimation for Viral Hepatitis B and HIV

Participation in an ESIF 2014–2020 (GSRT)–funded project.

- Prepared deliverables on mathematical models for early warning and individual infection risk estimation.
- Contributed to innovative Bayesian methodologies using Markov chain Monte Carlo (MCMC).
- Evaluated Hidden Markov Models on historical and simulated epidemic data; developed alternatives where necessary.
- Helped draft personalized medical monitoring protocols; selected training data; implemented and trained the outbreak detection system using Bayesian techniques; integrated mathematical models to support semi-automated system operation.

Scientific lead: Giota Touloumi — ELKE-NKUA: K.E. 16147.

[2021-2022] Estimating Hepatitis C burden in EU/EEA, University of Cyprus

Role: **Co-Investigator (co-PI)** [PI: Georgios Nikolopoulos] in “Estimating Hepatitis C burden in EU/EEA” (UCY Grant no. ECD.12286 Ref: 12627), funded by ECDC via the University of Cyprus (Funding: €75,122).

- Developed and applied Bayesian Multiparameter Evidence Synthesis methods for each EU country, integrating multiple data sources to estimate chronic HCV prevalence.
- Drafted a unified project protocol (lead for specific work packages), approved by ECDC.
- Built automated country reports (R Markdown).

- Coordinated teleconferences with national HCV contact points; iterated reports until consensus.
- Presentations: 10th Panhellenic Meeting “AIDS, Hepatitis & Emerging Diseases,” Athens; EASL Congress 2023.
- Publication in The Lancet Regional Health – Europe: “Prevalence of chronic HCV infection in EU/EEA countries in 2019 using multiparameter evidence synthesis” (Thomadakis et al., Vol. 36, 100792).

[01/06/2022–08/2022] Immunological and Clinical Evolution of People Living with HIV Under ART: The Impact of Disengagement from Care

Project funded by a Gilead Sciences Hellas donation via the “Asklepios” open call.

- Reviewed and evaluated Bayesian joint models for a longitudinal marker with competing risks.
- Modeled population evolution via multistate structures derived from the joint model.
- Data preparation and manuscript for an epidemiology journal.
- Aim: compare immunological and clinical trajectories before and after disengagement from care.

Scientific lead: Nikolaos Pantazis — ELKE-NKUA: 17981.

[08/04/2019–31/07/2019] leDEA Pediatric methods and modeling consortium (IPM2)

- Literature review on longitudinal data analysis methods.
- Developed methodology for joint modeling of CD4 trajectories before disengagement, during disengagement, and after ART re-initiation using a modified linear mixed model.
- Developed methods for population-level evolution of a marker (e.g., CD4) conditional on baseline value.
- Data quality control for leDEA East Africa.
- Manuscript preparation for an epidemiology journal.

Subcontract of a larger Indiana University project [PI: Constantin Yiannoutsos]. NKUA scientific lead: Giota Touloumi — ELKE-NKUA: 15499.

Link: <https://www.iedea.org/regions/east-africa/>

[01/01/2018–31/07/2018] East Africa leDEA Regional Consortium

- Literature review on joint modeling of a biomarker and time-to-event.
- Adapted joint models to account for potential misclassification of failure causes via double sampling.
- Data quality control for leDEA East Africa and other subregions.
- Applied models to estimate CD4 trajectories and multistate probabilities defined by CD4 levels.

Subcontract of a larger Indiana University project [PI: Constantin Yiannoutsos].

NKUA scientific lead: Giota Touloumi. Link: <https://www.iedea.org/regions/east-africa/>

[02/02/2017–31/12/2017] Developing Methods to improve Accuracy of HIV estimates in EU/EAA Countries

- Contributed to a novel method predicting HIV seroconversion dates using a two-dimensional linear mixed model for CD4 counts and viral load within a Bayesian framework.
- Methodology motivated by estimating the proportion of migrants infected post-migration in the European aMASE study (close collaboration with leads in Spain and the UK). Scientific lead: Giota Touloumi — ELKE-NKUA: 13806

[01/01/2015–31/12/2015] European network of HIV/AIDS cohort studies to coordinate at european and international level clinical research on HIV/AIDS

- Literature review on joint modeling of a longitudinal marker with missing data due to truncation.
 - Simulation studies to identify appropriate models under various truncation mechanisms.
 - Example application: CD4 count evolution prior to ART initiation.
 - Developed new methodology and applied it to CASCADE cohort data.
- Scientific lead: Giota Touloumi — ELKE-NKUA: 10643

Research Projects

[09/2023–Present] Managing the Current HIV Epidemic in Europe: Insights from Cohorts with Known HIV Seroconversion

- Data quality control for the AMACS database and preparation of datasets for submission to the central CASCADE study database.
 - Analyses within CASCADE database focusing on:
 - Longitudinal biomarker trajectories
 - Factors associated with ART initiation
 - Treatment interruptions (frequency, causes, prognostic factors)
- Scientific lead: Giota Touloumi — ELKE-NKUA: 19465

[09/2022–12/2022] International Observational Study of Outpatients with SARS-CoV-2

- Data quality control, preparation of descriptive statistical reports, participation in scientific meetings.
- Scientific lead: Giota Touloumi — ELKE-NKUA: 16842

[03/2022–05/2022] Obesity Research in Greece

- Data mining, quality control, statistical analysis, and preparation of publication.
Scientific lead: Giota Touloumi — ELKE-NKUA: 18332

[04/2021–02/2022] International Observational Study of Outpatients with SARS-CoV-2

- Data quality control, preparation of descriptive statistical reports, participation in scientific meetings.
Scientific lead: Giota Touloumi — ELKE-NKUA: 16842

[01/09/2020–31/03/2021] A Multicenter, Adaptive, Randomized Blinded Controlled Trial of the Safety and Efficacy of Investigational Therapeutics for the Treatment of COVID-19 in hospitalized Adults

- Data quality control, preparation of descriptive statistical reports, participation in scientific meetings.
Scientific lead: Giota Touloumi — ELKE-NKUA: 16618

[01/03/2020–31/08/2020] "The European Human Biomonitoring Initiative" HORIZON 2020 PROGRAMME

- Statistical analysis of air pollution data. ELKE-NKUA

[01/01/2020–29/02/2020] Support for the Athens Multi-Center AIDS Cohort Study (AMACS)

- Liaison with collaborating clinics for data collection on HIV/HCV co-infections.
- Data quality control and statistical analysis.
Scientific lead: Giota Touloumi — ELKE-NKUA: 9339

[01/12/2019–31/12/2019] Anti-influenza hyperimmune intravenous immunoglobulin (FLU-IVIG) International

- Data quality control, preparation of descriptive reports, identification of data issues.
Scientific lead: Giota Touloumi — ELKE-NKUA: 13064

[01/08/2019–30/11/2019] "The European Human Biomonitoring Initiative" HORIZON 2020 PROGRAMME

- Statistical analysis of air pollution data. ELKE-NKUA

[11/02/2019–31/03/2019] Support for the Athens Multi-Center AIDS Cohort Study (AMACS)

- Liaison with collaborating clinics for data collection on HIV/HCV co-infections. Data quality control and statistical analysis.

Scientific lead: Giota Touloumi — ELKE-NKUA: 9339

[01/08/2018–31/01/2019] Anti-influenza hyperimmune intravenous immunoglobulin (FLU-IVIG) International

- Data quality control, preparation of descriptive reports, identification of data issues.

Scientific lead: Giota Touloumi — ELKE-NKUA: 13064

[01/01/2016–21/02/2017] Insight Flu 002, Flu 003, Flu 004

- Statistical analysis and data quality control.

Scientific lead: Giota Touloumi — ELKE-NKUA: 12364

Invited Talks

[20/10/2023] *Joint modeling of longitudinal and competing-risk data using cumulative incidence functions accounting for failure cause misclassification*

Statistics Seminar Series 2023–2024, Department of Statistics, Athens University of Economics and Business (AUEB). Invited talk.

Link: <https://www.dept.aueb.gr/el/stat/events/joint-modeling-longitudinal-and-competing-risk-data-usingcumulative-incidence>

[17/07/2023] *Longitudinal and time-to-dropout joint models under various dropout mechanisms*

64th International Statistical Institute (ISI) World Statistics Congress - Ottawa, Canada Session: Recent Advances In Modeling Time-To-Event Data And Longitudinal Data

Christos Thomadakis (Invited talk): <https://www.isi2023.org/proposals/proposal/137/detail/>

[05/2023] *Joint modeling of longitudinal and competing-risks data using cumulative incidence functions for the failure submodels and accounting for potential misclassified cause of failure through double sampling*

35th Panhellenic & 1st International Conference on Statistics: Statistics in Health Sciences. Invited oral presentation.

Link: https://gsi-conference.uniwa.gr/CONFERENCE_PROGRAMMEv3_25.5.23_20.00.pdf

[05/2023] *Issues with the expected information matrix of linear mixed models provided by popular statistical packages under MAR dropout*

35th Panhellenic & 1st International Conference on Statistics: Statistics in Health Sciences. Invited oral presentation.

Link: https://gsi-conference.uniwa.gr/CONFERENCE_PROGRAMMEv3_25.5.23_20.00.pdf

[26/04/2023] *Joint modeling of longitudinal and competing-risk data using cumulative incidence functions for the failure submodels accounting for potential failure cause misclassification through double sampling*

Statistics & OR Seminar, Department of Mathematics, National and Kapodistrian University of Athens (NKUA). Invited talk.

Link: http://biostatistics.med.uoa.gr/index.php/seminar_8omadakis_23/

[26/08/2022] *Estimation of chronic HCV in Spain*

Estimation of chronic HCV in Spain. Spanish Ministry of Health, Madrid. Invited presentation at the National Hepatitis C Action Plan workshop.

[22/09/2022–24/09/2022] *Bayesian multiparameter evidence synthesis for estimating hepatitis C prevalence*

10th Panhellenic Meeting “AIDS, Hepatitis & Emerging Diseases,” Divani Caravel Hotel, Athens. Invited oral presentation

[17/06/2021] *The effect of HIV treatment interruption on subsequent immunologic response*

UNAIDS Reference Group on Estimates, Modelling and Projections Meeting (virtual). Invited talk

[20/04/2021] *Joint modeling of longitudinal and competing-risks data using cumulative incidence functions for the failure submodels accounting for potential failure cause misclassification through double sampling*

11th EMR-IBS Conference (Eastern Mediterranean Region of the International Biometrics Society). Invited virtual presentation

[16/04/2020] *Longitudinal and time-to-drop-out joint models can lead to seriously biased estimates when the drop-out mechanism is at random*

International Biometric Society (IBS) Virtual Journal Club. Invited presentation

[11/12/2019] *Longitudinal and time-to-drop-out joint models can lead to seriously biased estimates when the drop-out mechanism is at random*

Statistics & OR Seminar, Department of Mathematics, NKUA. Invited talk. Link:

https://www.math.uoa.gr/anakoinoseis_kai_ekdiloseis/proboli_anakoinosis/seminario_statistikis_kai_epicheirisiakis_ereynas_ch_thomadakis/

Conferences and Seminars

[08/2024] AUEB Statistical Data Science & Economics Conference 2024, Aegina, Greece

Issues with the expected information matrix of linear mixed models provided by popular statistical packages under MAR dropout

Oral presentation

[07/2024] 45th Annual Conference of the International Society for Clinical Biostatistics (ISCB), Thessaloniki

Prevalence of active HCV infection in Spain in 2022 using multiparameter evidence synthesis

Oral presentation

[03/2024] 25th International Workshop on HIV & Hepatitis Observational Databases (IWHOD), Vilamoura, Portugal

Prevalence of active HCV infection in Spain in 2022 using multiparameter evidence synthesis

Oral presentation

[08/2023] 44th Annual Conference of the International Society for Clinical Biostatistics (ISCB), Milano, Italy

Shared-parameter modelling of longitudinal data allowing for possibly informative visiting process and dropout

Oral presentation

[03/2023] 25th International Workshop on HIV & Hepatitis Observational Databases (IWHOD), Athens, Greece

Calendar trends of HIV continuum of care combining cross-sectional and longitudinal elements

Oral presentation

[22/09/2022–24/09/2022] 10th Panhellenic Meeting “AIDS, Hepatitis & Emerging Diseases”, Divani Caravel Hotel, Athens

Estimation of chronic hepatitis C prevalence in Greece

Oral presentation

[07/2022] AUEB-NKUA-Indiana Conference in Biostatistics & Health Analytics, Aegina, Greece

Joint modeling of longitudinal and competing-risk data using cumulative incidence functions under failure cause misclassification

Poster: [https://www.dropbox.com/s/w2iloxq2l17o7e6/Biostats Conference ABSTRACTS.pdf?dl=0](https://www.dropbox.com/s/w2iloxq2l17o7e6/Biostats%20Conference%20ABSTRACTS.pdf?dl=0)

[03/2022] 24th IWHOD, Seville, Spain

- *Immunologic and clinical evolution of people with HIV on ART: the effects of disengagement from care* (Oral)
- *Using standard software to fit linear mixed models on longitudinal HIV data: validity of standard errors* (Poster)
- *The effect of the COVID-19 epidemic on the epidemiological course of HIV in Greece* (Poster)

[20/07/2021] 42nd Conference of the International Society for Clinical Biostatistics (ISCB) Lyon, France

Multistate inference based on longitudinal/competing risks joint modeling under misclassified cause of failure

Virtual oral presentation:

[14/07/2019–18/07/2019] 40th Annual Conference of the International society of Clinical Biostatistics (ISCB), Leuven

Oral presentation: <https://kuleuvencongres.be/iscb40/images/iscb40-2019-e-versie.pdf>

[03/2019] 23th International Workshop on HIV & Hepatitis Observational Databases (IWHOD), Athens, Greece

Poster

[08/07/2018–13/07/2018] XXIX International Biometric Conference (IBC), Barcelona, Spain

- *Serious bias in competing risks shared parameter joint models when at least one of the failure types is at random* (Oral)
- *Comparing and combining a biomarker and a molecular clock-based method to estimate unknown HIV-1 infection dates* (Poster): <http://2018.biometricconference.org/wp-content/uploads/2018/07/PROGRAMA-IBC-V11.pdf>

[09/07/2017–13/07/2017] 38th Annual Conference of the International society of Clinical Biostatistics (ISCB), Vigo, Spain

- *Observed vs. expected information matrix in linear mixed models under MAR dropout* (Poster)
- *Comparing the fit of linear mixed models with different covariance structures using Bayesian model comparison* (Short oral of poster).

[08/05/2017–12/05/2017] 9th Conference of the Eastern Mediterranean Region of the International Biometrics Society (EMR-IBS)

Misspecifying the covariance structure in a linear mixed model under MAR dropout

Oral presentation: <http://www2.stat-athens.aueb.gr/~emribs/page/emr2017.html>

[21/08/2016–25/08/2016] 37th ISCB Conference, Birmingham, UK

- *Longitudinal and time-to-dropout joint models can lead to seriously biased estimates when the dropout mechanism is at random* (Oral)
- *Determining the likely place of HIV acquisition for migrants in Europe combining migration history, risk factors and biomarker data* (Oral):
<https://www.iscb.info/files/folders/newsletter/iscbnl61.pdf>

[07/04/2016–09/04/2016] 20th International Workshop on HIV Observational Databases, Budapest, Hungary

Determining the likely place of HIV acquisition for migrants in Europe combining information on migration history, risk factors and biomarkers data

Oral presentation

[11/05/2015–15/05/2015] 8th conference of the Eastern Mediterranean Region of the International Biometric Society, Cappadocia

Using routine biomarker measurements to predict time between HIV infection and diagnosis (Poster)

Peer Review Activity

Reviewer for international journals in Biostatistics, Medical, and Epidemiological research.

Manuscripts reviewed for:

1. Biometrics (3 manuscripts)
2. Biostatistics (2 manuscripts)
3. Statistics in Medicine

4. Pharmaceutical Statistics (2 manuscripts)
5. BMJ Open
6. Public Health
7. HIV Research & Clinical Practice

Supervision of Theses

Supervisor

1. Supervisor of the MSc thesis of Anastasios Boutsinis in the Master's Program in Biostatistics, Medical School, National and Kapodistrian University of Athens (NKUA). Thesis title: "Investigation of factors associated with visit frequency of people with HIV on antiretroviral therapy using models for recurrent events."

Member of Examination Committees

1. (2024) Member of the committee for the MSc thesis of Maurikios Maurikios in the Master's Program in Statistics and Operational Research, Department of Mathematics, NKUA. Thesis title: "Statistical Learning Through Bayesian Additive Regression Trees."
2. (2024) Member of the committee for the MSc thesis of K. Chavatza in the Master's Program in Biostatistics, Medical School, NKUA. Thesis title: "Comparison of overall morbidity and mortality of patients with ANCA-associated vasculitis with the general population in Greece."
3. (2023) Member of the committee for the MSc thesis of Nikolaos Chalkidis in the Master's Program in Biostatistics, Medical School, NKUA. Thesis title: "Investigation of the performance of joint modeling methods of dropout mechanisms and longitudinal CD4 lymphocyte counts in people with HIV through simulation studies."
4. (2023) Member of the committee for the MSc thesis of A. Stofas in the Master's Program in Biostatistics, Medical School, NKUA. Thesis title: "Clinicopathological study investigating the relationship between hematological diseases and renal involvement."

Digital Skills

- R (R Language, R Studio, R Markdown, R programming)
- Stata (Statistical analysis)
- SPSS Statistics 20 (Data analysis)
- LaTeX (Document preparation)

Language Skills

- Native language: Greek
- Other language: English — C1 (Listening, Reading, Writing, Speaking, Interaction)