



15/07/2026

CURRICULUM VITAE

Dr. Theodosios Dimitriou Dimitrakos

PERSONAL DETAILS

Dr. Theodosios Dimitriou Dimitrakos

Date and Place of Birth: 27 February 1976, Athens

Assistant Professor in the Department of Statistics at the Athens University of Economic and Business in Stochastic Operations Research

11 August 2005-11 May 2006: Military services

CONTACT INFORMATION

E-mails: dimitheo@aub.gr , dimitheo@aegean.gr

Academic Address: Department of Statistics, Athens University of Economic and Business

Office Location: Kordrigtonos Street, 2nd Floor

ACADEMIC POSITIONS

- **26/06/2026-today:** Assistant Professor of Stochastic Operations Research at the Department of Statistics, Athens University of Economic and Business.
- **11/10/2023-25/06/2026:** Associate Professor in Applied Probabilities and in Stochastic Operations Research at the Department of Mathematics, University of the Aegean.
- **13/11/2020-10/10/2023:** Permanent Assistant Professor in Applied Probabilities and in Stochastic Operations Research at the Department of Mathematics, University of the Aegean.
- **01/02/2019-12/11/2020:** Assistant Professor in Applied Probabilities and in Stochastic Operations Research at the Department of Mathematics, University of the Aegean.

- **23/02/2017-31/01/2019:** Assistant Professor in Probabilities-Statistics at the Department of Mathematics, University of the Aegean.
- **16/09/2009-22/02/2017:** Lecturer in Probabilities-Statistics at the Department of Mathematics, University of the Aegean.
- **2017-2018, 2016-17, 2007-2010:** Teaching assistant with contract 407/80 at the Department of Statistics, Athens University of Economics and Business.
- **2006-2009:** Teaching assistant with contract 407/80 at the Department of Statistics and Actuarial-Financial Mathematics, University of the Aegean.
- **2006-2008:** Teaching assistant with contract 407/80 at the Department of Accounting and Finance, Athens University of Economics and Business.
- **2006-2007:** Teaching assistant with contract 407/80 at the Department of Information and Communication System Engineering, University of the Aegean.
- **2001-2004:** Teaching assistant with contract 407/80 in various courses at the Department of Statistics and Actuarial-Financial Mathematics, University of the Aegean.

RESEARCH INTERESTS

- Applications of Probability Theory
- Stochastic Models in Operations Research
- Markov Decision Models
- Stochastic Dynamic Programming
- Population Models in Epidemics and Ecology
- Machine maintenance and replacement models
- Stochastic vehicle routing models
- Optimal control of emergency medical service systems
- Optimal pricing of airline tickets and hotel rooms

EDUCATION

- **2001-2005: Ph.D., Department of Statistics and Actuarial-Financial Mathematics, University of the Aegean.**

Title of Ph. D. thesis: Optimal control-limit policies in stochastic processes problems.

Supervisor: Dr. E.G. Kyriakidis, Professor in Department of Statistics, Athens University in Economics and Business.

- **1998-2000: M.Sc. in Statistics, Department of Statistics, Athens University of Economics and Business.**

Title of Master thesis: Statistical Methods of Estimating Infant and Childhood Mortality.

Supervisor: Dr. A. Kostaki, Professor in Department of Statistics, Athens University of Economics and Business.

External Examiner: Kenneth Hill, Professor, Department of Population and Family, The Johns Hopkins School of Hygiene and Public Health, USA.

- **1994-1998: Undergraduate studies in Mathematics, Department of Mathematics, University of the Aegean (Grade: 8.2).**

Title of Degree thesis: Applications of Martingales in Probability Theorem Problems (Grade: **10**).

Supervisor: Dr. E.G. Kyriakidis, Professor in Department of Statistics, Athens University of Economics and Business.

- **1990-1993: 3^o High School of Nikea (Grade: 18).**

SCHOLARSHIPS

- From the Institution of State Scholarships Foundation and the Union of Greek Seamen for the grade of the degree of Mathematics.
- From the Prefecture of Samos and the Mayoralty of Karlovassi for the grade in the courses of the third academic year of my undergraduate studies.

PUBLICATIONS

A. In International Scientific Journals with reviewers

[IJ1]. G. A. Kechagias, A.C. Diamantidis, **T.D. Dimitrakos**, M. Tsakalerou, Optimal maintenance of deteriorating equipment using semi-Markov decision processes and linear programming, International Journal of Industrial Engineering and Management, Article in press 349, 2024.

[IJ2]. G.A. Kechagias, A.C. Diamantidis and **T.D. Dimitrakos**, A semi-Markov decision model for the optimal control of an Emergency Medical Service System, International Journal of Industrial and Systems Engineering, Vol. 46, No. 2, pp. 169-194, <https://doi.org/10.1504/IJISE.2024.136414>, 2024.

[IJ3]. C.C. Karamatsoukis, E.G. Kyriakidis and T.D. Dimitrakos, Two-compartment stochastic single vehicle routing problems with simultaneous pickups and deliveries from N ordered customers, International Journal of Systems Science: Operations & Logistics, Volume 8, Issue 2, pp. 185-203, 2021.

[IJ4]. E.G. Kyriakidis, **T.D. Dimitrakos** and C.C. Karamatsoukis, A stochastic single vehicle routing problem with a predefined customer sequence and collection of two similar products, Methodology and Computing in Applied Probability 22, pp. 1559-1582, 2020.

[IJ5]. E.G. Kyriakidis, **T.D. Dimitrakos** and C.C. Karamatsoukis, Optimal delivery of two similar products to N ordered customers with product preferences, International Journal of Production Economics 204, pp. 194-204, 2019.

- [IJ6]. E.G. Kyriakidis and **T.D. Dimitrakos**, Stochastic single vehicle routing problem with ordered customers and partial fulfillment of demands, *International Journal of Systems Science: Operations & Logistics*, Vol. 6, Issue 3, pp. 285-299, 2019.
- [IJ7]. **T.D. Dimitrakos** and E.G. Kyriakidis, A single vehicle routing problem with pickups and deliveries, continuous random demands and predefined customer order, *European Journal of Operational Research*, Vol. 244, pp. 990-993, 2015.
- [IJ8]. E.G. Kyriakidis and **T.D. Dimitrakos**, A semi-Markov decision model for the optimal control of a simple immigration-birth-death process through the introduction of a predator, *Communication in Statistics-Theory and Methods* 45 (13), pp. 3860-3873, 2016.
- [IJ9]. D.G. Pandelis, E.G. Kyriakidis and **T.D. Dimitrakos**, Single vehicle routing problems with a predefined customer sequence, compartmentalized load and stochastic demands, *European Journal of Operational Research* 217, pp. 324-332, 2012.
- [IJ10]. E.G. Kyriakidis and **T.D. Dimitrakos**, Single vehicle routing problem with a predefined customer sequence and stochastic continuous demands, *Letter to the Editor, The Mathematical Scientist*, Vol. 33, pp. 148-152, 2008.
- [IJ11]. **T.D. Dimitrakos** and E.G. Kyriakidis, A semi-Markov decision algorithm for the maintenance of a production system with buffer capacity and continuous repair times, *International Journal of Production Economics*, Vol. 111, pp. 752-762, 2008.
- [IJ12]. **T.D. Dimitrakos** and E.G. Kyriakidis, An improved algorithm for the computation of the optimal repair/replacement policy under general repairs, *European Journal of Operational Research*, Vol. 182, 775-782, 2007.
- [IJ13]. E.G. Kyriakidis and **T.D. Dimitrakos**, A pest immigration process controlled by an intermittent predator, *The Mathematical Scientist*, Vol. 31, pp. 35-41, 2006.
- [IJ14]. E.G. Kyriakidis and **T.D. Dimitrakos**, Computation of the optimal policy for the control of a compound immigration process through total catastrophes, *Methodology and Computing in Applied Probability*, Vol. 7, pp. 97-118, 2005.
- [IJ15]. E.G. Kyriakidis and **T.D. Dimitrakos**, Optimal Preventive Maintenance of a Production System with an Intermediate Buffer, *European Journal of Operational Research*, Vol. 168, pp. 86-99, 2006.
- [IJ16]. E.G. Kyriakidis and **T.D. Dimitrakos**, Optimal Control of Two Competing Diseases with State-Dependent Infection Rates, *The Mathematical Scientist*, Vol. 27, pp. 36-44, 2002.
- [IJ17]. **T.D. Dimitrakos**, E.G. Kyriakidis, C.C. Karamatsoukis, Optimal maintenance of a production-inventory system with continuous repair times and idle periods, *International Journal of Applied Mathematics and Informatics*, DOI: 10.46300/91014.2020.14.5, Vol. 14, pp. 32-39, 2020.

B. In Proceedings of International Scientific Conferences

[ICP1]. **T.D. Dimitrakos** and E.G. Kyriakidis, Optimal control of a pest population through geometric catastrophes. Proceedings of 17th Applied Stochastic Models and Data Analysis International Conference with Demographics Workshop (ASMDA 2017), London, Great Britain, 6-9 June 2017, Proceedings ASMDA 2017, pp. 291-303.

[ICP2]. E.G. Kyriakidis and **T.D. Dimitrakos**, Single vehicle routing problem with a predefined customer sequence, stochastic demands and partial satisfaction of demands. International Conference on Operations Research, University of Vienna, Vienna, 1-4 September, 2015. Operations Research Proceedings 2015, pp. 157-164. **This article was accepted after review.**

[ICP3]. **T.D. Dimitrakos**, E.G. Kyriakidis and C.C. Karamatsoukis, Optimal maintenance of a production-inventory system with continuous repair times and idle periods. International Conference on Applied Mathematics and Computational Methods-AMCM 2013, Venice, Italy, 28-30 September 2013. Proceedings of the 2013 International Conference on Applied Mathematics and Computational Methods, pp. 68-75.

[ICP4]. E.G. Kyriakidis and **T.D. Dimitrakos**, A vehicle routing problem with a predefined customer sequence, stochastic demands and penalties for unsatisfied demands. 5th International Conference on Applied Operational Research-ICAOR 2013, Lisbon, Portugal, 29-31 July 2013. Lecture Notes in Management Sciences (2013), Vol. 5, pp. 10-17. **This article was accepted after review.**

C. In Proceedings of National Scientific Conferences

[NCP1] **T. D. Dimitrakos**, An Infinite-Horizon Single-Vehicle Routing Problem with Continuous Demand Distributions. Presented at the **38th Panhellenic and 4th International Conference on Statistics**, organized by the Departments of Mathematics and Informatics of the Aristotle University of Thessaloniki under the theme "*Statistical Modelling in Markets and Production*", Thessaloniki, Greece, 16–19 April 2026. At the author's request, the paper was not included in the conference proceedings. During the conference, I also served as **Session Chair** for the session entitled *Official Statistics / Statistical Process Control*.

[NCP2]. **T.D. Dimitrakos**, E.G. Kyriakidis, Optimal delivery of many products with continuous demands, 28th Pan-Hellenic Conference of Statistics, Athens, University of Harokopio, 15-18 April, Hellenic Statistical Institute, 2015.

[NCP3]. **T.D. Dimitrakos**, E.G. Kyriakidis, A problem of optimal routing of a vehicle which delivers a product to ordered customers with stochastic discrete demands and penalties for partial satisfaction of demands. 26^o Pan-Hellenic Statistical Institute, University of Piraeus, 8-11 May 2013, Proceedings of 26th Pan-Hellenic Conference of Statistics, pp. 35-44, Hellenic Statistical Institute, 2013.

- [NCP4]. D.G. Pandelis, E.G. Kyriakidis, **T.D. Dimitrakos**, Optimal delivery of many products, 23rd Pan-Hellenic Conference of Statistics, Veria, 7-11 April 2010. Proceedings of 23rd Pan-Hellenic Conference of Statistics, pp. 224-230, Hellenic Statistical Institute, 2010.
- [NCP5]. **T.D. Dimitrakos**, E.G. Kyriakidis, The problem of optimal routing of a vehicle which delivers a product to ordered customers when the demand of the product is a continuous random variable. 21st Pan-Hellenic Conference of Statistics, Samos, 30 April-3 May 2008. Proceedings of 21st Pan-Hellenic Conference of Statistics, pp. 141-148, Hellenic Statistical Institute, 2008.
- [NCP6]. **T.D. Dimitrakos**, E.G. Kyriakidis, A semi-Markov decision algorithm for the optimal preventive maintenance of a production system with buffer capacity and continuous repair times. 19th Pan-Hellenic Conference of Statistics, Kastoria, 26-29 April 2006. Proceedings of 19th Pan-Hellenic Conference of Statistics, pp. 579-586, Hellenic Statistical Institute, 2006.
- [NCP7]. **T.D. Dimitrakos**, E.G. Kyriakidis, An algorithm for the optimal control of a pest population. 17th Pan-Hellenic Conference of Statistics, Lefkada 14-18 April 2004. Proceedings of 17th Pan-Hellenic Conference of Statistics, pp. 127-134, Hellenic Statistical Institute, 2004.
- [NCP8]. E.G. Kyriakidis and **T.D. Dimitrakos**, An algorithm for the optimal preventive maintenance of a production system. 16th Pan-Hellenic Conference of Statistics, Kavala, 30 April-3 May 2003. Proceedings 16th Pan-Hellenic Conference of Statistics, pp. 647-654, Hellenic Statistical Institute, 2003.

D. Working papers

- [WP1]. **T.D. Dimitrakos**, E.G. Kyriakidis and A. Balis, Optimal dynamic pricing of airlines tickets and hotel rooms under random arrivals of customers.
- [WP2]. **T.D. Dimitrakos**, An infinite time horizon single vehicle routing problem with stochastic continuous demands.

E. Submitted papers for publication

- [SP1]. G.A. Kechagias, **T.D. Dimitrakos**, A.C. Diamantidis and K.D. Papastergiou, Optimal Maintenance Control of Multi-Component Systems via Semi-Markov Decision Processes.
- [SP2]. **T.D. Dimitrakos**, Joint optimization of inspection intervals and general repair for multi-state systems under competing failure-time distributions.
- [SP3]. G.A. Kechagias, **T.D. Dimitrakos** and A.C. Diamantidis, Optimal control of a mixed EMS fleet using semi-Markov decision processes and simulation validation.
- [SP4]. **T.D. Dimitrakos**, E.G. Kyriakidis and A.F. Papasalouros, Optimal choice of the next customer in a vehicle routing problem with pickup and delivery and stochastic demands.

PARTICIPATIONS WITH PRESENTATIONS IN INTERNATIONAL SCIENTIFIC CONFERENCES

- [ISC1]. E.G. Kyriakidis, **T.D. Dimitrakos** and A.F. Papasalouros, A pick-up and delivery routing problem with stochastic demands and unordered customers, 10th International Symposium and 32nd National Conference on Operational Research, HELORS 2025, Technical University of Crete, School of Production Engineering and Management, Chania, Crete, Greece, 20-22 November 2025.
- [ISC2]. G.A. Kechagias, K.D. Papastergiou, **T.D. Dimitrakos** and A.C. Diamantidis, Optimal maintenance of a system with K deteriorating equipment using semi-Markov decision processes, Presented in 21st Conference of the Applied Stochastic Models and Data Analysis, ASMDA 2025, University of Piraeus, Greece, 10-13 June 2025.
- [ICS3]. **T.D. Dimitrakos**, G.A. Kechagias, K.D. Papastergiou and A.C. Diamantidis, Optimal management of a two-component degraded system using semi-Markov decision processes, Presented in International Workshop on Optimization, Dynamics and Convex Analysis (WODCA 2025), Aveiro, Portugal, 11-14 June 2025.
- [ICS4]. **T.D. Dimitrakos**, Some applications of Markov decision processes using stochastic dynamic programming, Statistical Modeling with Applications (Σ statMod 2025), a conference in honour of Professor M.V. Koutras, Contributed Talk, University of Piraeus, Greece, 26-28 September 2025.
- [ICS5]. E.G. Kyriakidis, **T.D. Dimitrakos** and A.F. Papasalouros, Optimal choice of next customer in stochastic single vehicle routing problems with pick-up and delivery, Statistical Modeling with Applications (Σ statMod 2025), a conference in honour of Professor M.V. Koutras, Invited Talk, University of Piraeus, Greece, 26-28 September 2025.
- [ISC6]. E.G. Kyriakidis, **T.D. Dimitrakos** and A.F. Papasalouros, A pick-up and delivery problem with stochastic demands and unordered customers, EURO 2024, 33rd European Conference on Operational Research, Copenhagen, Denmark, 30th June-3rd July 2024.
- [ISC7]. G.A. Kechagias, A.C. Diamantidis, **T.D. Dimitrakos** and S.I. Koukoumialos, Optimal decision control for a mixed fleet emergency medical services system with dispatch protocols for ALS ambulances using semi-Markov decision processes, EURO 2024, 33rd European Conference on Operational Research, Copenhagen, Denmark, 30th June-3rd July 2024.
- [ISC8]. **T.D. Dimitrakos**, E.G. Kyriakidis and A.F. Papasalouros, Optimal choice of next customer in stochastic single vehicle routing problems with pick-up and delivery. International Conference of Operations Research, OR2023, University of Hamburg, Germany, 29 August-1 September 2023.
- [ISC9]. G.A. Kechagias, A.C. Diamantidis and **T.D. Dimitrakos**, A semi-Markov decision model for the optimal control of an Emergency Medical Service System. PhD Workshop of the Central, East and South-East European PhD Network in Economics, Management and Finance, Odessa, Ukraine, 16-17 September 2021.

- [ISC10]. E.G. Kyriakidis, C.C. Karamatsoukis and **T.D. Dimitrakos**, Computation of the optimal policy for the control of a compound immigration process through total catastrophes. 2nd International Workshop on Applied Probability (IWAP 2004), 22-25 March 2004. Proceedings of the 2nd International Workshop in Applied Probability (IWAP 2004), pp. 219-224 (extended abstract), Department of Statistics and Insurance Science, University of Piraeus.
- [ISC11]. E.G. Kyriakidis, **T.D. Dimitrakos** and C.C. Karamatsoukis, A stochastic vehicle routing problem with ordered customers and stochastic preferences and demands, International Conference of Operations Research, OR2016, University of Hamburg, Germany, 30 August-3 September 2016.
- [ISC12]. E.G. Kyriakidis and **T.D. Dimitrakos**, Single vehicle routing problem with a predefined customer sequence, stochastic demands and partial satisfaction of demands. International Conference on Operations Research, University of Vienna, Vienna, 1-4 September 2015.
- [ISC13]. E.G. Kyriakidis, **T.D. Dimitrakos** and C.C. Karamatsoukis, Stochastic single vehicle routing problem with ordered customers. 28th European Conference on Operational Research, Poznan, Poland, 3-6 July 2016. **Για αυτό το συνέδριο δεν προβλέπεται συγγραφή πρακτικών.**
- [ISC14]. **T.D. Dimitrakos** and E.G. Kyriakidis, Optimal control of a pest population through geometric catastrophes. 17th Conference of Applied Stochastic Models and Data Analysis (ASMDA 2017), London, Great Britain, 6-9 June 2017.
- [ISC15]. E.G. Kyriakidis, **T.D. Dimitrakos** and C.C. Karamatsoukis, A stochastic single vehicle routing problem with a predefined sequence of customers and delivery of two similar products. 17th Conference of Applied Stochastic Models and Data Analysis (ASMDA 2017), London, Great Britain, 6-9 June 2017.
- [ISC16]. E.G. Kyriakidis, **T.D. Dimitrakos** and C.C. Karamatsoukis, A finite horizon single vehicle routing problem with a predefined sequence of customers, delivery of two similar products and stochastic demands. 4th International Conference on Operational Planning, Technological Innovations and Mathematical Applications (OPTIMA), Hellenic Army Academy, Vari Attica, 25-26 May 2017.
- [ISC17]. E.G. Kyriakidis, **T.D. Dimitrakos** and C.C. Karamatsoukis, A stochastic vehicle routing problem with ordered customers and collection of two similar products. 19th International Conference on Operations Research, Decisions and Applications, Barcelona, Spain, 17-18 August 2017. **This work has received award for best oral presentation.**
- [ISC18]. E.G. Kyriakidis, **T.D. Dimitrakos** and C.C. Karamatsoukis, A stochastic vehicle routing strategy for the collection of two similar products. OR2017-International Conference of Operations Research, Decision Analytics for the Digital Economy, Berlin, Germany, 6-8 September 2017.
- [ISC19]. E.G. Kyriakidis, C.C. Karamatsoukis and **T.D. Dimitrakos**, A stochastic vehicle routing problem for the collection of two similar products. EURO 2018, 29th European Conference on Operational Research, Valencia, Spain, 8-11 July 2018.
- [ISC20]. C.C. Karamatsoukis, R. Zakar, E.G. Kyriakidis and **T.D. Dimitrakos**, A two-compartment single vehicle routing problem with simultaneous pickups and deliveries, stochastic demands and predefined

customer order. EURO 2018, 29th European Conference on Operational Research, Valencia, Spain, 8-11 July 2018.

[ISC21]. **T.D. Dimitrakos** and E.G. Kyriakidis, Optimal pest control through geometric catastrophes. EURO 2018, 29th European Conference on Operational Research, Valencia, Spain, 8-11 July 2018.

[ISC22]. E.G. Kyriakidis and **T.D. Dimitrakos**, Optimal collection of two similar products from N ordered customers. 2nd IEOM European Conference on Industrial Engineering and Operations Management, Paris, France, 26-27 July 2018.

[ISC23]. E.G. Kyriakidis, **T.D. Dimitrakos** and C.C. Karamatsoukis, An optimal routing strategy for the collection of two similar materials with stochastic continuous demands. EURO 2019, 30th European Conference on Operational Research, Dublin, Ireland, 23-26 June 2019.

[ISC24]. C.C. Karamatsoukis, E.G. Kyriakidis and **T.D. Dimitrakos**, A clustered-two compartment vehicle routing problem with simultaneous pickup and delivery and discrete random demands. EURO 2019, 30th European Conference on Operational Research, Dublin, Ireland, 23-26 June 2019.

[ISC25]. E.G. Kyriakidis, **T.D. Dimitrakos** and C.C. Karamatsoukis, Optimal collection of two materials from N ordered customers with stochastic continuous demands. 19th Conference of Applied Stochastic Models and Data Analysis (ASMDA 2019), Florence, Italy, 11-14 June 2019.

[ISC26]. **T.D. Dimitrakos**, C.C. Karamatsoukis and E.G. Kyriakidis, Computation of the optimal policy for a two-compartment single vehicle routing problem with simultaneous pickups and deliveries, stochastic continuous demands, and predefined customer order. 19th Conference of Applied Stochastic Models and Data Analysis (ASMDA 2019), Florence, Italy, 11-14 June 2019.

[ISC27]. E.G. Kyriakidis, **T.D. Dimitrakos** and C.C. Karamatsoukis, Optimal collection of two materials from N ordered customers with stochastic continuous demands. Operations Research 2019, OR2019, Dresden, Germany, 3-6 September 2019.

[ISC28]. G.A. Kechagias, A.C. Diamantidis and **T.D. Dimitrakos**, A vehicle mix Markov decision model for an Emergency Medical Service System. 6th Stochastic Modeling Techniques and Data Analysis International Conference and Demographics Workshop (STMDA), 2020 Web Conference, 2-5 June 2020.

[ISC29]. **T.D. Dimitrakos**, C.C. Karamatsoukis and E.G. Kyriakidis, A single vehicle routing problem with pickup and delivery, unified load and stochastic continuous demands. SMTDA 2020 International Conference and Demographics Workshop-Web Conference, 2-5 June 2020.

[ISC30]. G.A. Kechagias, A.C. Diamantidis and **T.D. Dimitrakos**, Optimal maintenance of deteriorating equipment using semi-Markov decision processes and linear programming. 7th SMTDA 2022 International Conference and Demographics Workshop, Athens, 7-10 June 2022.

[ISC31]. **T.D. Dimitrakos**, E.G. Kyriakidis and A.F. Papasalouros, Optimal choice of next customer in single vehicle routing problems with stochastic demands. 21st International Symposium on Inventories, Radisson Blu Beke Hotel, Budapest, Hungary, 22-26 August 2022.

REFEREING SERVICES

- Communications in Statistics-Theory and Methods (2023, 2019, 2013, three articles).
- Wiley Encyclopedia of Operations Research and Management Science (2009, one article).
- European Journal of Operational Research (2011, 2009, two articles).
- Operational Research: An International Journal (2008, one article).
- International Journal of Operations Research and Information Systems (2016, one article).
- Journal of Dynamics and Games (2017, one article).
- Applied Mathematical Modeling (2017, one article).
- Mathematics (2019, one article).
- Mediterranean Archaeology and Archaeometry (2021, one article).
- Transportmetrica A: Transport Science (2024, one article).
- Computers & Industrial Engineering (2025, one article).

E-BOOKS AND COURSE NOTES

- Book: Probabilities, Statistics and Stochastic Models, Ath. Tsotras Publications, Second Edition, 2025. ISBN: 9786182171110.
- Book: Probabilities, Statistics and Stochastic Models, Ath. Tsotras Publications, First Edition, 2023.
- Undergraduate courses: Linear Programming, Statistics, Probabilities, Theory of Probabilities II, Estimation and Hypotheses Testing, Stochastic Processes, Statistics II, Introduction to Computer Sciences, Distribution Theory, Combinatorics, Non-Parametric Statistics, Applications of Statistical Methods in Business problems, Dynamic Programming.
- Postgraduate courses: Applied Statistics, Stochastic Modeling, Probability-Statistics Seminar, Stochastic Processes.

TEACHING TASK

A. Department of Statistics, Athens University of Economic and Business

Undergraduate Studies

- **Business Statistics**, Co-teaching with V. Chasiotis, Department of Accounting and Finance.
- **Linear Algebra II**, Co-teaching with M. Zazanis and Tutorials.
- **Estimation and Hypotheses Testing**, with Tutorials.

B. Department of Mathematics, University of the Aegean

Undergraduate Studies

- **Dynamic Programming**
- **Combinatorics**
- **Statistics**
- **Linear Programming**
- **Probabilities I**
- **Stochastic Processes**

Auxiliary task in the undergraduate course

- **Calculus I**

Postgraduate Studies

- **Seminar in Probabilities-Statistics**
- **Applied Statistics**
- **Statistics**
- **Stochastic Modeling**
- **Statistics**

C. Department of Statistics and Actuarial-Financial Mathematics, University of the Aegean (teaching assistant with contract 407/80)

Undergraduate Studies

- **Statistics II**, Co-teaching with S. Stylianou.
- **Theory of Probabilities II**
- **Introduction to Probabilities and Combinatorics**, Co-teaching with S. Stylianou.
- **Statistics I**
- **Generalized Linear Models**, Co-teaching with A. Perperoglou.
- **Non-Parametric Statistics.**

Postgraduate Studies

- **Statistics and Data Analysis**
- **Dynamic Programming-Stochastic Control Theory**
- **Non-Linear Regression**

Auxiliary task in undergraduate courses

- **Numerical Analysis-Programming**
- **Regression Analysis**
- **Statistical Packages I**
- **Stochastic Processes I**
- **Introduction to Computer Science**
- **Analysis of Variance-Experimental Design**
- **Theory of Probabilities I**
- **Theory of Probabilities I, Statistics I and Calculus I, Corrections of Laboratory Exercises.**

D. Department of Statistics, Athens University of Economics and Business (teaching assistant with contract 407/80)

Auxiliary task in undergraduate courses

- **Applications of Statistical Methods in Business problems**, Co-teaching with E.G. Kyriakidis and M. Aifanti.
- **Non-Parametric Statistics**, Co-teaching with E. Ioannidis.
- **Estimation and Hypotheses Testing**, Co-teaching with S. Psarakis.
- **Distribution Theory**
- **Linear Algebra and Applications**
- **Calculus III: Introduction to Optimization**, Co-teaching with A. Giannakopoulos.

E. Department of Accounting and Finance, Athens University of Economics and Business (teaching assistant with contract 407/80)

Undergraduate Studies

- **Mathematics in Business problems**

F. Department of Information and Communications System Engineering, University of the Aegean (teaching assistant with contract 407/80)

Undergraduate Studies

- **Probabilities-Statistics**, Co-teaching with P. Maravelakis.

SUPERVISIONS IN THESES AND SCIENTIFIC ADVISORY

COMMITTEES IN PH. D. THESES

- Supervision of 26 postgraduate theses and 21 undergraduate theses at the Department of Mathematics of the University of the Aegean.
- Member of the scientific advisory committee for the Ph. D. thesis of A. Kourepi at the Department of Economic Sciences of Aristotle University of Thessaloniki entitled as: Quantitative Methods for the analysis and optimization of supply and production systems. **The thesis was supported successfully on 23 June 2022.**
- Member of the scientific advisory committee for the Ph. D. thesis of G. Kechagias at the Department of Economic Sciences of Aristotle University of Thessaloniki entitled as: Modeling, Analysis and optimization of service and production systems.
- Member of the scientific advisory committee for the Ph. D. thesis of A. Balis at the Department of Statistics Athens University of Economics and Business entitled as: Optimal control of stochastic processes with the method of dynamic programming.
- Member of the scientific advisory committee for the Ph. D. thesis of students Kontogiannis and Hadjimichalis at the Department of Mathematics of the University of the Aegean.
- Member of the examination committee for the Ph. D. thesis defense of I. Efthimiou entitled as: Design and Experimental Analysis. **The thesis was supported successfully on 3 March 2015.**
- Member of the examination committee for the Ph. D. thesis defense of D. Kokkinos entitled as: The study of the Jordan Canonical Forms of the Killing Tensor in the Frame of General Theory of Relativity. **The thesis was supported successfully on 9 November 2023.**

PH.D. EXAMINATION COMMITTEES

- Member of three-member examination committee of the general postgraduate examinations in the area of Probabilities-Statistics for the elaboration of Ph. D. thesis in Division of Statistics and Actuarial-Financial Mathematics of Department of Mathematics of University of the Aegean, Academic Years: 2017-18, 2016-17.
- Member of three-member examination committee of the general postgraduate examinations in the area of Methodology Educational Research for the elaboration of Ph. D. thesis in the Division of Mathematics of Department of Mathematics of University of the Aegean, Academic Year: 2017-18.

PC PROGRAMS HANDLING

- *PC programs:* Word, Excel, Power Point, Outlook, Latex.
- Fluency in the usage of Internet and in handling PC files.

- *Programming Languages*: Pascal, C/C++.
- *Statistical packages*: SPSS, Stat-graphics, Minitab, S-Plus, SAS, R.
- *Mathematical packages*: Mathematica, Matlab.

FOREIGH LANGUAGE

- English: First Certificate in English, University of Cambridge.
- French: Basic Knowledge.

CITATIONS

Total Citations: 371

The citations according to Google Scholar are presented via the link:

<https://scholar.google.com/citations?user=0-SbW-cAAAAJ&hl=el>.