Dimitris Fouskakis (M.Sc., Ph.D.)

August 17, 2022

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Education

B.Sc. *Mathematics*, Department of Mathematics, National and Kapodistrian University of Athens, Greece. (1995).

M.Sc. *Computational Statistics*, Department of Mathematical Sciences, University of Bath, UK. (1996).

(MSc Dissertation in Statistics awarded with *Distinction*).

Ph.D. *Statistics*, Department of Mathematical Sciences, University of Bath, UK. (2001). (dissertation advisor: Prof. David Draper)

(*University Scholarship* (full support of PhD studies), $46,000 over 3 years).

Foreign Languages

English: Fluent **Spanish:** Basic

Academic Career

12/2020 – Current: Professor	Department of Mathematics, School of Applied Mathematical and Physical Sciences, National Technical University of Athens, GREECE.
02/2015 – 11/2020: Associate Professor	Department of Mathematics, School of Applied Mathematical and Physical Sciences, National Technical University of Athens, GREECE.
05/2009 - 01/2015: Assistant Professor	Department of Mathematics, School of Applied Mathematical and Physical Sciences, National Technical University of Athens, GREECE.
10/2004 - 04/2009: Lecturer	Department of Mathematics, School of Applied Mathematical and Physical Sciences, National Technical University of Athens, GREECE.
09/2003 - 04/2004: Research Associate	Department of Hygiene and Epidemiology, University of Athens Medical School, GREECE.
09/2000 - 09/2001: Research Associate	Department of Community Based Medicine, Faculty of Medicine and Dentistry, University of Bristol, UK.

Visiting Professor

• Department of Statistical Sciences, Università Cattolica del Sacro Cuore, Milan, ITALY.	• **09/2021 – 10/2021** • **09/2020 – 10/2020** • **09/2019 – 10/2019** • **09/2018 – 10/2018** • **09/2017 – 10/2017** • **09/2016 – 10/2016**

	• **09/2015 – 10/2015** • **09/2014 – 10/2014** • **01/2014 – 02/2014**
• Department of Statistical Sciences, Sapienza Università di Roma, Rome, ITALY.	• **11/2019** • **12/2016**
• Universidad Iberoamericana, Santo Domingo, Dominican Republic	• **11/2016 – 12/2016**
• Department of Mathematics, University of Puerto Rico, USA.	• **04/2014**
• Department of Statistics, Wharton School, University of Pennsylvania, Philadelphia, USA.	• **04/2012**
• Department of Statistics and Applied Probability, University of California, Santa Barbara, USA.	• **07/2011 - 07/2012**
• Department of Applied Mathematics and Statistics, Jack Baskin School of Engineering, University of California, Santa Cruz, USA.	• **08/2006**

Research Interests

- Bayesian Statistics and MCMC, Stochastic Optimization Methods, Bayesian Model Selection, Bayesian Prior Elicitation & Selection, Priors for Bayesian Hypothesis Testing, Intrinsic Priors and Expected Posterior Priors, Bayesian Variable Selection, Health Policy and Health Economics, Statistical Disclosure Control, Data Confidentiality, Medical Statistics and Epidemiology.

Teaching Interests

- Bayesian Statistics and MCMC, Mathematical Statistics, Statistical Data Analysis, Statistical Analysis using R, Biostatistics, Probability, Linear Models, Generalized Linear Models, Bayesian Model Selection, Computational Statistics.

Additional Relevant Skills

- I am fluent in the programming environments **C++, S+, R, STATA, SPSS and WinBugs,** and moderately fluent in **Mathematica**, **Maple, Matlab** and **Minitab**.

Consultative

- I have served as a **statistical consultant** to many private organizations, as well as to individuals, in the fields of medicine, psychology, education, sociology, marketing and management, during the last 20 years.

Publications in Peered Reviewed Journals

1. **Fouskakis, D.** and Draper, D. (1999). Tabu search - book review, *Journal of the Royal Statistical Society Series D*, **48,** 616-619.

2. Draper, D. and **Fouskakis**, **D.** (2000). A case study of stochastic optimization in health policy: problem formulation and preliminary results. *Journal of Global Optimization*, **18,** 399-416.

3. Gunnell, D., Harrison, G., Rasmussen, F., **Fouskakis, D.** and Tynelius, P. (2002). Associations between pre-morbid intellectual performance, early-life exposures and early onset schizophrenia: a cohort study. *British Journal of Psychiatry*, **181**, 298-305.

4. **Fouskakis, D.** and Draper, D. (2002). Stochastic optimization: a review. *International Statistical Review*, **70**, 315-349.

5. Harrison, G., **Fouskakis, D.,** Rasmussen, F., Tynelius, P. and Gunnell, D. (2003). Association between psychotic disorder and urban place of birth is not mediated by obstetric complications or childhood socio-economic position: a cohort study. *Psychological Medicine*, **33**, 723-731.

6. Gunnell, D., Rasmussen, F., **Fouskakis, D.,** Tynelius, P. and Harrison, G. (2003). Patterns of fetal and childhood growth and the development of psychosis in young males: a cohort study. *American Journal of Epidemiology*, **158**, 291-300.

7. **Fouskakis, D.,** Gunnell, D., Rasmussen, F., Tynelius, P., Sipos, A. and Harrison, G. (2004). Is the season of birth association with psychosis due to seasonal variations in foetal growth or other related exposures? A cohort study. *Acta Psychiatrica Scandinavica*, **109**, 1-5.

8. Korkolis, D., Tsoli, E., **Fouskakis, D.**, Yiotis, J., Koullias, G.J., Giannopoulos, D., Papalambros, E., Patsounis, E., Asimacopoulos, P. and Gorgoulis, V.G. (2004). Tumor histology and stage but not P53, Her2-neu or Cathepsin-D expression are independent prognostic factors in breast cancer patients. *Anticancer Research*, **24**, 2061-2068.

9. Naska, A., **Fouskakis, D.**, Oikonomou, E., Almeida, M.D.V., Berg, M.A., Gedrich, K., Moreiras, O., Nelson, M., Trygg, K., Turrini, A., Remaut, A.M., Volatier, J.L., Trichopoulou, A. and DAFNE participants (2006). Dietary patterns and their socio-demographic determinants in ten European countries. Data from the DAFNE databank. *European Journal of Clinical Nutrition*, **60**, 181-190.

10. Kokolakis, G., Nanopoulos, Ph. and **Fouskakis, D.** (2006). Bregman divergences in the (m × k) – partitioning problem. *Computational Statistics and Data Analysis*, **51**, 668-678.

11. Kokolakis, G. and **Fouskakis, D.** (2008). On the discrepancy measures for the optimal equal probability partitioning in Bayesian multivariate micro-aggregation. *Journal of Classification*, **25**, 209-224.

12. **Fouskakis, D.** and Draper, D. (2008). Comparing stochastic optimization methods for variable selection in binary outcome prediction with application to health policy. *Journal of the American Statistical Association*, **103**, 1367-1381.

13. **Fouskakis, D.**, Ntzoufras, I. and Draper, D. (2009). Bayesian variable selection using a cost-adjusted BIC, with application to cost-effective measurement of quality of health care. *Annals of Applied Statistics*, **3**, 663-690.

14. Kokolakis, G. and **Fouskakis, D.** (2009). Importance partitioning in micro-aggregation, *Computational Statistics and Data Analysis*, **53**, 2439-2445.

15. **Fouskakis, D.**, Ntzoufras, I. and Draper, D. (2009). Population-based reversible-jump MCMC for Bayesian variable selection and evaluation under cost-limit restrictions. *Journal of the Royal Statistical Society, Series C*: *Applied Statistics*, **58**, 383-403.

16. Daskalakis, G., Simou, M., Zacharakis, D., Detorakis, S., Akrivos, N., Papantoniou, N., **Fouskakis D.** and Antsaklis, A. (2011). Impact of placenta previa on obstetric outcome. *International Journal Gynaecology and Obstetrics*, **114**, 238-241.

17. **Fouskakis, D.** (2012). Bayesian variable selection in generalized linear models using a combination of stochastic optimization methods. *European Journal of Operational Research*, **220**, 414-422.

18. Spanos, A., Theoharis, G., Karageorgopoulos, D.E., Peppas, G., **Fouskakis, D.** and Falagas, M.E. (2012). Surveillance of community outbreaks of respiratory tract infections based on house-call visits in the metropolitan area of Athens, Greece. *PLos ONE*, **7**, e40310.

19. **Fouskakis, D.** and Ntzoufras, I. (2013). Computation for intrinsic variable selection in normal regression models via expected-posterior prior. *Statistics and Computing*, **23**, 491-499.

20. **Fouskakis, D.**, Ntzoufras, I. and Draper, D. (2015). Power-expected-posterior priors for variable selection in Gaussian linear models. *Bayesian Analysis,* **10**, 75-107.

21. Charitidou, E., **Fouskakis, D.** and Ntzoufras, I. (2015). Bayesian transformation selection: Moving towards a transformed Gaussian universe. *Canadian Journal of Statistics*, **43**, 600-623.

22. **Fouskakis, D.,** Petrakos, G. and Vavouras, I. (2016). A Bayesian hierarchical model for comparative evaluation of teaching quality indicators in higher education. *Journal of Applied Statistics*, **43**, 195-211.

23. **Fouskakis, D.** and Ntzoufras, I. (2016). Limiting behavior of the Jeffreys power-expected-posterior Bayes factor in Gaussian linear models. *Brazilian Journal of Probability and Statistics,* **30**, 299-320.

24. **Fouskakis, D.** and Ntzoufras, I. (2016). Power-conditional-expected priors. Using g-priors with random imaginary data for variable selection. *Journal of Computational and Graphical Statistics,* **25**, 647-664.

25. **Fouskakis, D.** and Ntzoufras I. (2017). Information consistency of the Jeffreys power-expected-posterior prior in Gaussian linear models. *Metron,* **75***,* 371-380.

26. **Fouskakis, D.**, Ntzoufras I. and Perrakis K. (2018). Power-expected-posterior priors in generalized linear models. *Bayesian Analysis,* **13**, 721-748.

27. Charitidou, E., **Fouskakis, D.**, and Ntzoufras, I. (2018). Objective Bayesian transformation and Variable Selection using Default Bayes Factors. *Statistics and Computing,* **28***,* 579-594.

28. Consonni, G., **Fouskakis, D.**, Liseo, B. and Ntzoufras, I. (2018). Prior Distributions for Objective Bayesian Analysis. *Bayesian Analysis,* **13**, 627-679.

29. **Fouskakis, D.** (2019). Priors via Imaginary Training Samples of Sufficient Statistics for Objective Bayesian Hypothesis Testing, *Metron*, **77**, 179-199.

30. **Fouskakis, D.**, Ntzoufras I. and Perrakis K. (2020). Variations of power-expected-posterior priors in normal regressions models. *Computational Statistics and Data Analysis*, **143**, 1-26.

31. **Fouskakis, D.**, Innocent, J.K. and Pericchi, L. (2020). Bayes factors consistency for nested linear models based on the Jeffreys power-expected-posterior prior with increasing dimensions. *Statistical Theory and Related Fields*, **4**, 162-171.

32. Petrakis, N., Peluso, S., **Fouskakis, D.** and Consonni, G. (2020). Objective Methods for Graphical Structural Learning. *Statistica Neerlandica,* **74**, 420-438.

33. **Fouskakis, D.** and Ntzoufras, I. (2020). Bayesian Model Averaging using Power-Expected-Posterior Priors. *Econometrics,* **8**, 17.

34. **Fouskakis, D.**, Petrakos, G. and Rotous, I. (2020). A Bayesian Longitudinal Model for Quantifying Student's Preferences Regarding Teaching Quality Indicators. *Metron,* **78**, 255-270.

35. Dedos, S. G. and **Fouskakis, D.** (2021). Dataset and Validation of the Approaches to Study Skills Inventory for Students. *Scientific Data,* **8**, 158.

36. **Fouskakis, D.** and Ntzoufras, I. (2021). Power-Expected-Posterior Priors as Mixtures of g-Priors. *Bayesian Analysis (accepted).*

37. Tzoumerkas, G., Fouskakis, D. and Ntzoufras, I. (2022). A Comparison of Power-Expected-Posterior Priors in Shrinkage Regression. *Journal of Statistical Theory and Practice*, **16**, 61.

Proceedings

1. **Fouskakis, D.** and Draper, D. (1998). Stochastic optimization methods for cost-effective quality assessment in health. *COMPSTAT 1998, Proceedings in Computational Statistics, Short Communications and Posters*. Harpenden: IACR-Rothamsted.

2. Charitidou, E., **Fouskakis, D.** and Ntzoufras, I. (2013). On Bayesian transformation selection: Problem formulation and preliminary results. *Proceedings of the 26th Panhellenic Statistics Conference*, 253-260.

3. Charitidou, E., **Fouskakis, D.** and Ntzoufras, I. (2014). On Bayesian transformation selection: Problem formulation and preliminary results. In Lanzarone, E. & Ieva, F. eds. The Contribution to Young Researchers in Bayesian Statistics. *Research from BAYSM 2013, Springer Proceedings in Mathematics and Statistics*, Springer-Verlang, Berlin, **63**, 11-14.

4. Perrakis, K., **Fouskakis, D.** and Ntzoufras, I. (2015). Bayesian variable selection for generalized linear models using the power-conditional-expected-posterior-prior. In Frühwirth-Schnatter, S., Bitto, A., Kastner, G. & Posekany, A. eds. Bayesian Statistics from Methods to Models and Applications, *Research from BAYSM 2014, Springer Proceedings in Mathematics and Statistics*, Springer-Verlang, Berlin, **126**, 59-73.

5. Mpousiou, D., Lamprou, D., Toumpis, M., Katsaounou, T., **Fouskakis, D.**, Moscholaki, M., Karathanasi, A., Gratziou, C., Zervas, E. and Katsaounou, P. (2018). The effect of parental smoking and smoking inside the house in the adolescents attitude towards smoking. *European Respiratory Journal*, **52: Suppl. 62**, PA4571.

6. Tzoumerkas, G. and **Fouskakis, D.** (2021). Using the Power-Expected-Posterior Prior in Shrinkage Regression: A Simulation Study. *Proceedings of the 33rd Panhellenic Statistics Conference*, 345-355.

7. Tzoumerkas, G. and **Fouskakis, D.** (2022). Power-Expected-Posterior Methodology with Baseline Shrinkage Priors. In Raffaele Argiento, Federico Camerlenghi, Sally Paganin (eds.), Methodological and Computational Contributions on Bayesian Statistics, *Research from BAYSM 2021, Springer Proceedings in Mathematics and Statistics*, Springer-Verlang, Berlin, accepted.

Articles Submitted / in Preparation for Peered Reviewed Journals

1. Perrakis, K., Ntzoufras, I. and **Fouskakis, D.** (2022). Gibbs variable selection with g-priors in generalized linear models *(we're about 70% finished with it).*

2. Telesca, D. and **Fouskakis, D**. (2022). Reference product moment priors for model determination. *(we're about 60% finished with it).*

3. **Fouskakis, D.** and Jammalamadaka, S.R. (2022). Bayesian model selection in symmetric circular data. (*we're about 50% finished with it).*

Invited Discussions

1. **Fouskakis, D.** (2020). Invited Discussion on Article by Leisen, Villa and Walker "On a Class of Objective Priors from Scoring Rules". *Bayesian Analysis,* 15**, 1370-1373.**

Conference Presentations

1. **Fouskakis, D.** Stochastic optimization methods for cost-effective quality assessment in health. *21st Research Students' Conference in Probability and Statistics*. Lancaster, UK, 1998.

2. **Fouskakis, D.** Stochastic optimization methods for cost-effective quality assessment in health. *Young Statisticians' Meeting 1998*. Surrey, UK, 1998.

3. **Fouskakis, D.** Stochastic optimization methods for cost-effective quality assessment in health. *Compstat 1998*. Bristol, UK, 1998.

4. **Fouskakis, D.** Stochastic optimization methods for cost-effective quality assessment in health. *22nd Research Students' Conference in Probability and Statistics*. Bristol, UK, 1999.

5. **Fouskakis, D.** Stochastic optimization methods for cost-effective quality assessment in health. *Young Statisticians' Meeting 1999*. Bristol, UK, 1999.

6. **Fouskakis, D.** A case study of stochastic optimization in health policy: problem formulation and preliminary results. *6th SIAM Conference in Optimization*. Atlanta, USA, 1999.

7. **Fouskakis, D.** A case study of stochastic optimization in health policy: problem formulation and preliminary results. *International Workshop on Global Optimization*. Florence, ITALY, 1999.

8. **Fouskakis, D.** and Draper, D. Stochastic optimization methods for cost-effective quality assessment in health. *ISBA 2000*. Crete, GREECE, 2000.

9. **Fouskakis, D.** and Draper, D. Stochastic optimization methods for cost-effective quality assessment in health. *7th Valencia International Meeting on Bayesian Statistics*, Tenerife, Canary Islands, SPAIN, 2002.

10. **Fouskakis, D.** and Draper, D. Stochastic optimization methods for cost-effective quality assessment in health. *International Workshop on Bayesian Data Analysis*, *University of California,* Santa Cruz, USA, 2003.

11. **Fouskakis, D.** and Draper, D. Stochastic optimization methods for cost-effective quality assessment in health. *3rd EMR-IBS International Conference*, Corfu, GREECE, 2005.

12. Kokolakis, G. and **Fouskakis, D.** Importance Partitioning in Micro-Aggregation. 25th *European Meeting of Statisticians*, Oslo, NORWAY, 2005.

13. **Fouskakis, D.**, Ntzoufras, I. and Draper, D. Bayesian Variable Selection using a Cost-Penalised Approach. *19th Greek Statistical Conference*. Kastoria, GREECE, 2006.

14. **Fouskakis, D.**, Ntzoufras, I. and Draper, D. Bayesian Variable Selection using a Cost-Penalised Approach. *8th Valencia-ISBA International Meeting on Bayesian Statistics*, Bedidorm, SPAIN, 2006.

15. **Fouskakis, D.**, Ntzoufras, I. and Draper, D. Incorporating Cost in Bayesian Variable Selection, with application to cost-effective measurement of quality of health care. *10th Annual Winter Workshop*. *University of Florida, Department of Statistics. Bayesian Model Selection and Objective Methods*, Florida, USA, 2008.

16. **Fouskakis, D.**, Ntzoufras, I. and Draper, D. Incorporating Cost in Bayesian Variable Selection, with application to cost-effective measurement of quality of health care. *1st Athens – Pavia Meeting on Statistics*, Athens, GREECE, 2008.

17. **Fouskakis, D.**, Ntzoufras, I. and Draper, D. Bayesian Variable Selection using Cost-Adjusted BIC, with application to cost-effective measurement of quality of health care. *Model uncertainty*, Warwick, UK, 2010.

18. **Fouskakis, D.**, Ntzoufras, I. and Draper, D. Incorporating Cost in Bayesian Variable Selection, with application to cost-effective measurement of quality of health care. *Ninth Valencia/ISBA International Meeting on Bayesian Statistics*, Benidorm, SPAIN, 2010.

19. **Fouskakis, D.**, Ntzoufras, I. and Draper, D. Power Intrinsic Variable Selection for Normal Models based on Zellner's g-Prior: Model Formulation and Preliminary Results. *Greco Italian Meeting on Statistics*, Sardegna, ITALY, 2010.

20. **Fouskakis, D.**, Ntzoufras, I. and Draper, D., Power Intrinsic Variable Selection for Normal Models based on Zellner's g-Prior. *Greek Stochastics γ*, Crete, GREECE, 2011.

21. **Fouskakis, D.**, Ntzoufras, I. and Draper, D., Power Intrinsic Variable Selection for Normal Models based on Zellner's g-Prior. *Hierarchical Models and Markov Chain Monte Carlo, Conference in Honour of Adrian F.M. Smith*, Crete, GREECE, 2011.

22. **Fouskakis, D.**, Ntzoufras, I. and Draper, D., Power-expected-posterior priors for variable selection in Gaussian linear models. *International Workshop on Bayesian Model Selection*, Shanghai, CHINA, 2013. (**invited speaker**).

23. **Fouskakis, D.**, Ntzoufras, I. and Draper, D., Power-expected-posterior priors for variable selection in Gaussian linear models. *26th Greek Statistical Conference*. Piraeus, GREECE, 2013.

24. **Fouskakis, D.**, Ntzoufras, I. and Draper, D., Power-expected-posterior priors for variable selection in Gaussian linear models. *High-Dimensional Inference with Applications,* Kent, UK, 2013.

25. **Fouskakis, D.** and Ntzoufras, I., Power-conditional-expected priors: Using g-priors with random imaginary data for variable selection. *OBayes 2013: Celebrating 250 Years of Bayes,* Durham, USA, 2013. (**invited speaker**).

26. **Fouskakis, D.**, Ntzoufras, I. and Pericchi, L., On using Sufficient Statistics in Expected Posterior Prior for Bayesian Model Comparison. *ISBA 2014*, Cancún, MEXICO, 2014. (**invited speaker**).

27. **Fouskakis, D.**, Discussion on "False Discovery Rate Smoothing", *OBayes 2015*, Valencia, SPAIN, 2015. (**invited discussant**).

28. **Fouskakis, D.**, Ntzoufras, I. and Pericchi, L., On using Sufficient Statistics in Expected Posterior Prior for Bayesian Model Comparison. *3rd Meeting on Statistics*, Athens, GREECE, 2015.

29. **Fouskakis, D.**, Ntzoufras, I. and Charitidou, E., Bayesian Transformation Selection. *ISBA 2016*, Sardinia, ITALY, 2016.

30. **Fouskakis, D.**, Ntzoufras, I. and Charitidou, E., Objective Bayesian Transformation and Variable Selection. *Statistics4@Florence Conference*, Florence, ITALY, 2017.

31. **Fouskakis, D.** and Ntzoufras, I., Properties of Different Versions of Power-Expected-Posterior Priors in Variable Selection Problems. *ISBA 2018*, Edinburg, UK, 2018.

32. **Fouskakis, D.**, All About PEP. *OBayes 2019*, Warwick, UK, 2019. (**invited speaker**).

33. **Fouskakis, D.**, Bayesian Model Averaging using PEP priors as Mixtures of g-priors, *Statistics5@Aegina*, Aegina, GREECE, 2019. (**invited speaker**).

34. 34th Panhellenic Statistics Conference, Athens – GREECE, 2022. (**Fouskakis, D.**, "Power-Expected-Posterior Priors as Mixtures of g-Priors in Normal Linear Models").

Books, Manuscripts and other Publications

1. **Fouskakis, D.** (1996). *Variable Selection via Hierarchical Modeling and Utility.* M.Sc. Dissertation (with distinction), Department of Mathematical Sciences, University of Bath, UK.
2. **Fouskakis, D.** (2001). *Stochastic Optimisation Methods for Cost-Effective Quality Assessment in Health*. Ph.D. Thesis, Department of Mathematical Sciences, University of Bath, UK.
3. Kokolakis, G. and **Fouskakis, D.** (2005). *Notes in Statistics*. (196 pages). National Technical University of Athens. Athens, Greece. (in Greek).
4. Kokolakis, G. and **Fouskakis, D.** (2009). *Statistical Theory & Applications*. (370 pages). Symeon. Athens, Greece. (in Greek).
5. **Fouskakis, D.** (2013). *Data Analysis using R*. (504 pages). Tsotras, Athens, Greece. (in Greek).
6. **Fouskakis, D.** (2021). *Data Analysis using R, 2nd Edition*. (862 pages). Tsotras, Athens, Greece. (in Greek).

Citations

1251 (Scholar Google, 29/05/2022)
Details in Scholar Google
https://scholar.google.com/citations?user=9cCOprsAAAAJ&hl=en&oi=ao

Invited Lectures

1. **Paradoxes in Probability Theory and Statistics.** Special event for the 15 years of the School of Applied Mathematical and Physical Sciences, National Technical University of Athens, Athens, GREECE, April 2015.
2. **Quantifying Uncertainty – An Introduction to Bayesian Statistics.** TEDxNTUA, Athens, GREECE, January 2015.
3. **Paradoxes in Probability Theory and Statistics.** Special event for the 170 years of the National Technical University of Athens. Department of Mathematics, National Technical University of Athens, Athens, GREECE, December 2007.
4. **Statistical Analysis for the DAFNE dataset.** Department of Hygiene and Epidemiology, University of Athens Medical School, Athens, GREECE, October 2003.

5. **Introduction to Statistics**. *MRCPsych Part II***.** Department of Community Based Medicine, Faculty of Medicine and Dentistry, University of Bristol, UK, May 2001.
6. **Why Statistics? Foundations.** Critical *Appraisal and Research Methods: A 3 day course*. Department of Community Based Medicine, Faculty of Medicine and Dentistry, University of Bristol, UK, March 2001.
7. **Hypothesis Testing and Confidence Intervals**. Critical *Appraisal and Research Methods: A 3 day course*. Department of Community Based Medicine, Faculty of Medicine and Dentistry, University of Bristol, UK, March 2001.
8. **How can cohort studies help us to identify risk factors for schizophrenia?** Department of Community Based Medicine, Faculty of Medicine and Dentistry, University of Bristol, UK, September 2000.

Invited Talks

1. **12 November 2019,** "All About PEP". Department of Statistical Science, University of Padova, ITALY.
2. **30 September 2016,** "A Review of Bayesian Variable Selection Methods and an Introduction to the Power-Expected-Posterior Prior Methodology". Department o Statistical Sciences, Sapienza University of Rome, ITALY.
3. **8 October 2015,** "A Review of Bayesian Variable Selection Methods and an Introduction to the Power-Expected-Posterior Prior Methodology". Institute of Data Science, Università della Svizzera italiana, USI, Lugano, SWITZERLAND.
4. **23 January 2014,** "Power-Conditional-Expected-Priors: Using g-priors with Random Imaginary Data for Variable Selection". Department of Economics and Management, University of Pavia, ITALY.
5. **17 January 2014,** "Power-Conditional-Expected-Priors: Using g-priors with Random Imaginary Data for Variable Selection". Department of Statistics, Università Cattolica del Sacro Cuore, Milan, ITALY.
6. **28 September, 2012**, "Bayesian Variable Selection in Generalised Linear Models using a Combination of Stochastic Optimization Methods", Southampton Statistical Sciences Research Institute, University of Southampton, UK.
7. **4 June, 2012,** "Power-Expected-Posterior Priors for Variable Selection in Gaussian Linear Models", Department of Statistics, University of California, Irvine, USA.
8. **28 March 2012,** "Power-Intrinsic Bayesian Variable Selection in Gaussian Linear Models", Statistics Department, Wharton School, University of Pennsylvania, USA.
9. **18 January, 2012**, "Power Intrinsic Variable Selection for Normal Models based on Zellner's g-Prior", Department of Biostatistics, University of California, Los Angeles, USA.
10. **2 December, 2011**, "Power Intrinsic Variable Selection for Normal Models based on Zellner's g-Prior", Department of Applied Mathematics and Statistics, University of California, Santa Cruz, USA.
11. **12 October 2011**, "Power Intrinsic Variable Selection for Normal Models based on Zellner's g-Prior", Department of Statistics and Applied Probability, University of California, Santa Barbara, USA.

12. **22 February 2011**, "Can someone help me define intrinsic please?", Department of Statistics, Athens University of Economics and Business, Athens, Greece.
13. **2 June 2010**, "Power Intrinsic Variable Selection for Normal Models based on Zellner's g-Prior: Model Formulation and Preliminary Results, School of Mathematical Sciences, University of Bath, UK.
14. **23 September 2009**, "Incorporating Cost in Bayesian Variable Selection with Application to Cost-Effective measurement of Quality of Health Care", School of Mathematical and Computer Sciences, Heriot-Watt University, UK.
15. **23 January 2004**, "Stochastic Optimization Methods for Cost-Effective Quality Assessment in Health", Department of Statistics and Actuarial – Financial Mathematics, University of Aegean, Samos, Greece.
16. **24 September 2003**, "Stochastic Optimization Methods for Cost-Effective Quality Assessment in Health", Department of Mathematics, School of Applied Mathematical and Physical Sciences, National Technical University of Athens.

Organization of Conferences – Short Courses

Member of the Organizing and Scientific Committees of the following International Conferences and Short Courses.

1. **O'Bayes22: Objective Bayes Methodology Conference,** Department of Statistics, UC Santa Cruz, USA. Chair of the Scientific Committee.

2. **The Era of Big Data,** Athens, Greece, May 2022.

3. **Fifth Meeting on Statistics**, Aigina, Greece, September 2019.

4. **Third Meeting on Statistics**, Athens, Greece, June 2015.

5. **Summer School in Bayesian Modeling and Variable Selection using WinBUGS**, Athens, Greece, June 2015.

6. **Workshop on Bayesian Modeling using WinBUGS**, Athens, Greece, 2010.

7. **1st Athens – Pavia Meeting on Statistics**, Athens, Greece, 2008.

8. **Compstat 1998**. Bristol, UK, 1998.

Short Courses – Invited Lecturer

1. **Stochastic Mathematics in High School**, Athens, Greece, May 2022 (*Invited Speaker*).

2. **The Role of Statistics in the Era of Big Data**, Statistics Lab, Department of Mathematics, National Technical University of Athens, Greece, May 2022 (*Invited Speaker*).
3. **E – Summer School in Mathematical Biology,** Hellenic Open University, September 2021 (*Invited Lecturer) "Bayesian Variable Selection: An Introduction"*.
4. **Career Paths,** Entrepreneurship and Career Panorama, July 2021 (*Invited Speaker*).
5. **R AUEB Seminars – R#2 Data Analysis with R,** Athens University Economics and Business, Athens, Greece, November 2018 (*Invited Lecturer*).
6. **R and Big Data Analytics,** University of Aegean, Samos, Greece, June 2018 (*Invited Lecturer*).
7. **Spring Course on R,** Athens University of Economics and Business, Athens, Greece, March 2015 (*Invited Lecturer*).
8. **Summer School on R,** Athens University of Economics and Business, Athens, Greece, June 2014 (*Invited Lecturer*).

Funded European and National Research Projects

Principal Investigator in the following research projects:

1. **Shrinkage power-expected-posterior priors**. National Technical University of Athens. PEVE 2020. January 2021. Duration: 24 months.
2. **Bayesian methods for the evaluation of structural properties of statistical models**. National Technical University of Athens. PEVE 2010. January 2011. Duration: 24 months.

Research Member in the following research projects:

Bayesian Variable Selection using Power-Expected-Priors. Aristeia II Program. January 2014. Duration: 18 months.

Random Probability Measures. National Technical University of Athens. Caratheodoris Program. February 2007. Duration: 18 months.

Infrastructure and integrated tools for personalized learning of reading skill - iRead. EUROPEAN COMMISSION - HORIZON 2020 / CALL:H2020-ICT-2016-2017 / ICT-22-2016. . January 2017. Duration 48 months.

Funded Training Programs

Statistical and Computational Modeling Approaches for Engineers, using Computer Packages. "Training for Engineers in Information and Communication Technologies". Training Program, May 2009.

Project Contracts

Expert Trainer of the field Mathematics (Lyceum) in the framework of the Act "Upgrading the Curricula and Creating Educational Material for Primary and Secondary Education". *Institute of Educational Policy***.** February - October 2021.

Expert Trainer of the field Mathematics (Lyceum) in the context of the Act "Training of Teachers in the Curricula and the Educational Material of Primary and Secondary Education". *Institute of Educational Policy***.** February - October 2021.

Stochastic Modelling and Analysis of Industrial Mathematics Problems – Statistical Models for Predicting the Net Weight of Recyclable Bins. *EmDot S.A.* December 2020.

ESAW – Analysis of Under-Reporting. *Quantos S.A.* February 2019.

Methodological help-desk support and communication. *Agilis S.A. Statistics and Informatics.* February 2013.

Quality improvements of regional aggregates. *Agilis S.A. Statistics and Informatics.* February 2014.

Supervision of Dissertations - M.Sc. Projects and Ph.D. Theses

(a) Last Year Undergraduate Dissertations

1. *Randomization Tests, Monte Carlo and Bootstrap.* Department of Mathematics, National Technical University of Athens (2022). By T. Lampea.

2. *Decision Trees.* Department of Mathematics, National Technical University of Athens (2022). By N. Samara.

3. *Monte Carlo Methods using R.* Department of Mathematics, National Technical University of Athens (2022). By G. Zaravinos.

4. *Multivariate Methods of Analysis of Tourism Statistical Surveys Data.* Department of Mathematics, National Technical University of Athens (2022). By M. Mamaloukaki.

5. *Bayesian Normal Linear Regression Models.* Department of Mathematics, National Technical University of Athens (2021). By K. Timoleon.

6. *Methods of Model Selection in Statistics.* Department of Mathematics, National Technical University of Athens (2021). By S. Repopoulos.

7. *Mutlivariate Statistical Methods in R.* Department of Mathematics, National Technical University of Athens (2020). By G. Flemetakis.

8. *The Lasso Method in Linear Regression and Generalizations.* Department of Mathematics, National Technical University of Athens (2020). By H. Aggelakopoulos.

9. *Genetic Algorithm in the Variable Selection Problem.* Department of Mathematics, National Technical University of Athens (2020). By K.C. Tsioli.

10. *Description of the Statistical Study EU-SILC and Analysis using Hierarchical Models.* Department of Mathematics, National Technical University of Athens (2019). By M. Kanta.

11. *Supervised Machine Learning and the Problem of Classification,* School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2019). By M. Nai.

12. *Statistical Evidence: P-values and Bayes Factors,* School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2019). By M. Ktistakis.

13. *Linear Mixed Effects Models and Analysis using R,* School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2019). By V. Kandris.

14. *Effect of Clarithromycin in Community Acquired Pneumonia,* School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2018). By K. Kyprianoy.

15. *Variable Selection Methods using Sales Data from the Company IRI,* School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2018). By N. Kefala.

16. *Statistical Classification and Applications,* School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2018). By N. Efthymiadis.

17. *Nonparametric Statistical Methods and Applications using R,* School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2018). By A. Konstantinou.

18. *Time Series Models using R,* School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2018). By S. Papachristodoulou.

19. *Model Selection Methods: Application on Psychiatric Data,* School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2017). By A. Poulopoulou.

20. *Criteria for Model Selection,* School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2017). By L. Georgatou-Politou.

21. *Statistical Analysis of a Questionnaire for Prevention of Smoking in Students,* School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2017). By D. Lamprou.

22. *Bayesian Statistics and Predictive Ability: Applications on Categorical Data,* School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2016). By A. Karvouniaris.

23. *Variable Selection in Normal Linear Models: Ridge and LASSO using R,* School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2016). By I. Papadogiannakis.

24. *Genetic Algorithm for the Variable Selection Problem,* School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2015). By E. Mpaltzoglou.

25. *Statistical Analysis for Predicting Emissions of Greenhouse Gases in the European Union,* School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2015). By M. Demetriadou.

26. *Statistical Analysis of Unemployment Data Using R,* School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2015). By K. Ramadani.

27. *Statistical Analysis of Circular Data.* School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2014). By E. Liapikos.

28. *Household Budget Survey Statistical Analysis.* School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2014). By P. Kasidokosta.

29. *Statistical Analysis of Acinetobacter baumannii Infections.* School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2014). By K. Manousou.

30. *A Random Coefficient Model for Teaching Evaluation.* School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2014). By D. Photiou.

31. *Generalised Linear Models with Applications in R.* School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2013). By M. Panagiotopoulou.

32. *Stochastic Simulation using MCMC.* School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2013). By E. Tapiri.

33. *Hierarchical Models and Applications.* School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2013). By M. Batsiou.

34. *Monte Carlo Simulation.* School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2012). By G. Kentas.

35. *Sample Selection and Qualitative Analysis for the European Study EU-SILC*. School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2011). By A. Kazatzi.

36. *Density Estimation*. School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2011). By M. Petropoulou.

37. *Model Selection Criteria.* School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2010). By G. Kozyrakis.

38. *Evaluation of the ability of existing statistical methods to recognize epidemic observations of cases of upper and lower respiratory infections among the population*. School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2010). By A. Spanos.

39. *Models for analyzing football data*. School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2010). By I. Chatziraptis.

40. *Statistical analyses of categorical data*. School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2010). By M. Parrakis.

41. *Statistical analysis of the way Greek doctors approaching the infections of the respiratory system*. School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2008). By N. Vakeroudi.

42. *MCMC algorithms in the Bayesian statistics*. School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2008). By T. Bilinis.

43. *On modeling soccer data.* School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2008). By M. Georgoulakos.

44. *Multivariate statistical methods for gene data.* School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2008). By E. Charitidou.

45. *The bootstrap and its applications.* School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2007). By T. Kiparissidis.

46. *Biostatistics and epidemiology with applications.* School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2007). By E. Androulakis.

47. *Introduction to the Bayesian statistics, comparison with the frequentist and MCMC.* School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2007). By I. Ligkas.

(b) M.Sc. Projects

1. *Electronic Transactions in Pandemic Era. Impact of Covid Restrictive Measures in Consumption Behavior in Greece.* Master in Business Administration, School of Social Sciences, Hellenic Open University (2022). By A. Kortsimelidou.

2. *Bayesian Statistical Analysis of the Household Budget Survey Data.* M.Sc. in Mathematical Modelling in Modern Technologies and Financial Engineering, School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2020). By P. Kasidokosta.

3. *Generalized Linear Models – the Bayesian Perprspective,* M.Sc. in Mathematical Modelling in Modern Technologies and Financial Engineering, School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2020). By N. Kefalas.

4. *Hamiltonian MCMC and Applications in STAN,* M.Sc. in Applied Mathematical Sciences, School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2019). By I. Rotous.

5. *EMVS: Bayesian variable selection using the EM algorithm*, M.Sc. in Applied Mathematical Sciences, School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2018). By G. Stagakis.

6. *Bayesian neural networks*, M.Sc. in Applied Mathematical Sciences, School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2017). By N. Koudounas.

7. *Bayesian variable selection using g priors in normal linear models*, M.Sc. in Applied Mathematical Sciences, School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2017). By D. Fotiou.

8. *Bayesian model selection using intrinsic prior distributions.* M.Sc. in Applied Mathematical Sciences, School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2016). By N. Petrakis.

9. *The Impact of the Greek Economic Crisis on Media Industry. The Case of Antenna.* Master in Business Administration, School of Social Sciences, Hellenic Open University (2016). By E. Farfara.

10. *Bayesian model and variable selection in generalized linear models and applications of the MC^3 algorithm*. M.Sc. in Applied Mathematical Sciences, School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2011). By I. Dedakis.

11. *EM algorithm*. M.Sc. in Applied Mathematical Sciences, School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2010). By V. Moutsana.

12. *Bayesian variable selection in generalized linear models and applications of the automatic RJMCMC*. M.Sc. in Applied Mathematical Sciences, School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens (2010). By N. Nanouris.

13. *Bayesian model averaging.* M.Sc. in Applied Mathematical Sciences, School of Applied Mathematical and Physical Sciences, Department of Mathematics. National Technical University of Athens (2009). By S. Marakas.

14. *Stochastic optimization methods for the optimal partitioning problem of continuous multivariate data*. M.Sc. in Engineering – Economic Systems, School of Electrical and Computer Engineering, National Technical University of Athens (2007). By G. Karkalatos.

(c) Ph.D. Theses

1. *Family Transformation Selection in Bayesian Statistical Models: Methodology and Applications*. School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens. By E. Charitidou (2016).

(d) External Referee of Ph.D. Theses

1. *Bayesian Modeling and Estimation for Complex Multiparameters Problems with Real Applications,* Department of Statistics, Athens University of Economics and Business (2021) (Advisor: I. Vrontos).

2. *Bayes Factors Consistency for Nested Linear Models with Increasing Dimensions*. Department of Mathematics, University of Puerto Rico, Rio Piedras Campus, USA. By J.K. Innocent (2016). (Advisor: L.R. Pericchi).

3. *Bayesian Analysis of AR Copula Models with Tree Structural Representation.* Department of Mathematics. University of Pavia, ITALY. By Enrica Nicolino (2017). (Advisor: F. Bassetti. Co-Advisor: C. Tarantola).

4. *Objective Bayes Structure Learning in Gaussian Graphical Models.* Department of Statistics and Quantitative Methods. University Degli Studi di Milano-Bicocca, ITALY. By Nikos Petrakis (2019). (Advisor: G. Consonni, Co-Advisor: S. Peluso).

Teaching Experience

(a) Postgraduate Courses

1. **M.Sc. in Data Science and Machine Learning,** School of Electrical and Computer Engineering, National Technical University of Athens:

   a. *Programming Tools and Technologies for Data Science.*

   b. *Computational Statistics and Stochastic Optimization.*

2. **M.Sc. in Applied Mathematical Sciences,** School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens:

   a. *Bayesian Statistics and MCMC.*

   b. *Computational Statistics and Stochastic Optimization.*

3. **M.Sc. in Mathematical Modelling in Modern Technologies and Financial Engineering,** School of Applied Mathematical and Physical Sciences, Department of Mathematics, National Technical University of Athens:
    a. *Bayesian Statistics and MCMC.*
    b. *Computational Statistics and Stochastic Optimization.*
4. **M.Sc. in Business Analytics,** Athens University of Economics and Business:
    a. *Statistics for Business Analytics I.*
5. **M.Sc. in Professional and Environmental Health, Management and Economic Evaluation,** Medical School of Athens:
    a. *Medical Statistics.*
6. **M.Sc. in Statistics and Decision Sciences, Department of Statistical Science,** Sapienza Università di Roma:
    a. *Bayesian Modeling.*
7. **MBA in Techno-Economic Systems,** School of Electrical and Computer Engineering National Technical University of Athens:
    a. *Probability Theory and Statistics.*
8. **Postgraduate Seminars in Psychosocial Rehabilitation - Psychosocial Therapeutic Procedures**, University Mental Health Research Institute, Athens:
    a. *Introduction to Statistics.*
9. **MBA,** Hellenic Open University:
    a. *Advanced Quantitative Methods for Managers.*

(b) Undergraduate Courses

1. **Department of Mathematics,** School of Applied Mathematical and Physical Sciences, National Technical University of Athens:
    a. *Probability.*
    b. *Mathematical Statistics.*
    c. Data Analysis.
    d. Computational Statistics.
2. **School of Civil Engineering**, National Technical University of Athens:
    a. *Probability and Statistics*
3. **School of Electrical and Computer Engineering,** National Technical University of Athens:
    a. *Probability Theory and Statistics.*
4. **School of Rural and Surveying Engineering,** National Technical University of Athens:

a. *Probability Theory and Statistics. Marine Environment Applications.*

5. **Department of Applied Mathematics and Statistics,** Jack Baskin School of Engineering, University of California at Santa Cruz:
    a. *Statistics.*
6. **Department of Statistics and Applied Probability,** University of California at Santa Barbara:
    a. *Probability and Statistics.*
    b. *Statistics.*
    c. *Statistics for Life Sciences.*
7. **Department of Statistical Sciences,** Università Cattolica del Sacro Cuore, Milan:
    a. *Statistics.*
    b. *Applied Statistics and Big Data.*

(c) In-house Staff Development Sessions

1. **Universidad Iberoamericana,** Santo Domingo, Dominican Republic.
    a. *R Course. (40 hours course).*

University Service

- **2021**: Member of the Evaluation committee for candidates for the support of the National Technical University of Athens E-Shop.
- **2020 – 2021**: Chairman of the Monitoring and Receipt Committee of Computers, Instruments and Consumables of the National Technical University of Athens.
- **2015 – current**: Head of the Laboratory of Statistics, Department of Mathematics, School of Applied Mathematical and Physical Sciences, National Technical University of Athens.
- **2019 - current**: Coordinator of the committee of Strategic, Department of Mathematics, School of Applied Mathematical and Physical Sciences, National Technical University of Athens.
- **2019 - current**: Member of the committee of Public Relationship, Department of Mathematics, School of Applied Mathematical and Physical Sciences, National Technical University of Athens.
- **2006 – current:** Student internship coordinator, Department of Mathematics, School of Applied Mathematical and Physical Sciences, National Technical University of Athens.
- **2005 – current**: Member of the scientific program committee of the MSc course "Applied Mathematical Sciences", National Technical University of Athens.
- **2018 – current**: Member of the scientific program committee of the MSc course "Data Science and Machine Learning", National Technical University of Athens.

- **2018 - current**: Member of the committee that was responsible for the undergraduate studies of the Department of Mathematics, School of Applied Mathematical and Physical Sciences, National Technical University of Athens.
- **2013 – 2017**: Member of the committee that is responsible for the acceptance of equipments, supplies and service providers, National Technical University of Athens.
- **2013 – 2017**: Member of the committee that is responsible for the execution, evaluation, monitoring and acceptance of hardware and software supplies, National Technical University of Athens.
- **2010 – 2012**: Full member of the committee that is responsible for the conduction and evaluation of informal tenders, School of Applied Mathematical and Physical Sciences, National Technical University of Athens.
- **2010 – 2011**: Full member of the research and finance committee, School of Applied Mathematical and Physical Sciences, National Technical University of Athens.
- **2005:** Full member of the committee that conducted matriculation exams.
- **2006 – 2009:** Member of the committee responsible for the Ch. Papakyriakopoulos' legacy, Department of Mathematics, School of Applied Mathematical and Physical Sciences, National Technical University of Athens.
- **2006 – 2009:** Member of the scientific program committee of the MSc course "Logic, Algorithms and Computation", University of Athens.
- **2007 – 2015**: Member of the committee that is responsible for the conduction of graduate admission exams for the School of Applied Mathematical and Physical Sciences, National Technical University of Athens.
- **2007:** Member of the committee that is responsible for the presentation of the Department of Mathematics, during the celebration of the 170 years of the National Technical University of Athens.
- **2007**: Member of the committee that conducted a research "What are our graduates doing now?". I was responsible for conducting the statistical analysis of the given questionnaire and for writing the final technical report.
- **2007 - 2017**: Member of the committee that is responsible for the postgraduate studies of the Department of Mathematics, School of Applied Mathematical and Physical Sciences, National Technical University of Athens.
- **2010 - 2011**: Member of the committee that was responsible for the undergraduate studies of the Department of Mathematics, School of Applied Mathematical and Physical Sciences, National Technical University of Athens.
- **2010 – 2012**: Member of the finance committee, Department of Mathematics, School of Applied Mathematical and Physical Sciences, National Technical University of Athens.
- **2010 - 2013:** Member of the committee that is responsible for creating a Mathematical Research Center, Department of Mathematics, School of Applied Mathematical and Physical Sciences, National Technical University of Athens.
- **2006 – 2009, 2010 – 2011, 2013:** Member of the faculty school meetings, School of Applied Mathematical and Physical Sciences, National Technical University of Athens.

Honors and Awards

- Teaching Excellence, from the Postgraduate Program (MSc) in Business Analytics, of the Athens University of Economics and Business, for the Academic Year 2018-2020 part-time.
- Program Chair of the O'Bayes Section of the *International Society for Bayesian Analysis* (2020-22).
- Treasurer Elected of the O'Bayes Section of the *International Society for Bayesian Analysis* (2018-2020).
- Member of Nominating Committee of the *International Society for Bayesian Analysis* (2018).
- Nominated of treasurer of the O'Bayes Section of the *International Society for Bayesian Analysis* (2017).
- Nominated to stand for the election as candidate for the *International Society for Bayesian Analysis* Board of Directors (2015).
- Nominated of treasurer of the O'Bayes Section of the *International Society for Bayesian Analysis* (2015).
- Member of the External Committee of the Graduate Program of the Department of Mathematics, University of Puerto Rico at Rio Piedras (2016 & 2021).

Scientific Societies Membership

- Member of the *Greek Statistical Institute*.
- Member of the *International Society for Bayesian Analysis*.

Refereeing

- *Evolutionary Computation Journal.*
- *Statistics in Medicine.*
- *Journal of American Statistical Association.*
- *Computational Statistics and Data Analysis.*
- *Optimization and Engineering*.
- *Statistics and Computing.*
- *Statistics and Probability Letters*.
- *RACSAM - Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas.*
- *Advances in Data Analysis and Classification.*

- *Methods in Ecology and Evolution.*
- *Test.*
- *Journal of Applied Statistics.*
- *Scandinavian Journal of Statistics*.
- *Stochastic Environmental Research and Risk Assessment.*
- *British Journal of Mathematics and Computer Science.*
- *Bayesian Analysis.*
- *Journal of Computational and Graphical Statistics.*
- *Econometrics and Statistics.*
- *Econometrics.*
- *Canadian Journal of Statistics.*
- *BMC Medical Research Methodology.*
