

Ioannis Ntzoufras

Personal Information

Academic Title	Professor in Statistics
Work Address	Department of Statistics, Athens University of Economics and Business, 76, Patision Street, 10434, Athens, Greece.
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Details Updated on	August 23, 2022

Professional Appointments

22 December 2015 : Professor in Statistics, Department of Statistics, Athens University of Economics and Business.

30 January 2011 – 21 December 2015 : Associate Professor in Statistics, Department of Statistics, Athens University of Economics and Business.

4 March 2009 – 30 January 2011 : Tenure-track Assistant Professor in Statistics at the Department of Statistics, Athens University of Economics and Business, Athens, Greece.

18 October 2004 – 4 March 2009 : Assistant Professor in Statistics at the Department of Statistics, Athens University of Economics and Business, Athens, Greece.

30 June 2001 – 17 October 2004 : Lecturer, Department of Business Administration, School of Management and Administration, University of the Aegean, Chios, Greece.

February 2001 – 29 June 2001 : Adjunct Lecturer, Department of Statistics and Actuarial Science, School of Sciences, University of the Aegean, Samos, Greece.

Academic Education

1995–1999 : Athens University of Economics and Business, Ph.D. in Statistics. Title: “Aspects of Bayesian Model and Variable Selection Using MCMC”, Supervisor Petros Dellaportas (email: petros@aueb.gr). [PhD Defence: ; Official date of award: 16-02-2000]

1994–1995 : University of Southampton, M.Sc. in Statistics with Applications in Medicine (Distinction).

1990–1994 : University of Piraeus, B.Sc. in Statistics and Actuarial Science (First Class).

Military Service

24th May 1998 – 24th November 2000 : Military Services Completed

Teaching Interests

- Statistical Analysis and Programming using R.
- Bayesian Theory, Modelling and Computation.
- Statistics in Sports.
- Data Analysis.
- Regression, Generalized linear models, Modelling.
- Categorical Data Analysis.

Research Interests

- Bayesian Methods, Modelling and Computation.
- Objective Bayes methods.
- Categorical and ordinal data analysis.
- Sports analytics and modelling.
- Generalized linear models.
- Latent variable models.
- Graphical models for categorical data.
- Bayesian Methods for Psychometrics.
- Bayesian Biostatistics.
- Applied research in Psychiatry, Psychology and Market Research.

Participation in Research Projects

Participation as Principal Investigator

- 6 February 2020 – 5 February 2021: “*Bayesian Variable Selection for Network Meta Analysis of Regression Models*”, Principal investigator in the AUEB Research Support Program – Action 2 (funding of one post–doc researcher); Budget: 10,000 €.
- 16th May 2019 – 30th September 2020: AUEB research publication fund 2019–2020, Principal investigator; Budget: 3,600€.
- 18 January 2018 – 17 January 2019: “*Using Evidence Synthesis Techniques in Bayesian Variable Selection for large n –small p datasets*”, Principal investigator in the AUEB Research Support Program – Action 2 (funding of one post–doc researcher); Budget: 14,448 €.
- 6th April 2017 – 30th June 2019: AUEB research publication fund 2017–2018, Principal investigator; Budget: 3,600€.

- November 2015 – November 2016: “*Bayesian Variable Selection Using the Lasso Power-Expected-Posterior Prior for Large-Scale Problems*”, Principal investigator in the AUEB Research Support Program – Action 2 (funding of one post-doc researcher); Budget: 15,000€.
- 21st May 2015 – 31st December 2016: AUEB research publication fund 2015–2016, Principal investigator; Budget: 3,000€.
- January 2014 – July 2015: PEP-BVS (4287): “*Bayesian Variable Selection Using Power-Expected-Posterior Priors*”, ARISTEIA II (Greek National Funds for Research), Principal investigator; Budget: 50,000€.
- January 2014 – December 2015: “*Bayesian analysis and model selection for discrete high dimensional data*”, IKYDA 2014 (Programme for the promotion of the exchange and scientific cooperation between Greece and Germany), Principal investigator of the Greek partner (AUEB), in collaboration with Institute of Statistics of RWTH Aachen University; Budget: 10,000€ for each partner.
- September 2014 – September 2015: “*Bayesian Inference of Competitive Balance Measures*”, Principal investigator in the AUEB Research Support Program – Action 2 (funding of one post-doc researcher); Budget: 13,000€.
- December 2012 – November 2013: “*Bayesian Variable Selection in Cluster Analysis Using a Joint Parameter and Model Space Prior*”, Principal investigator in the AUEB Research Support Program – Action 2 (partial funding of one post-doc researcher); Budget: 10,000€.
- March 2011 – February 2012: “*Bayesian Analysis of Marginal Association Log-Linear Models with Graphical Representation*”, Principal investigator in the research financed by BRFP-3 (IIEBE-3) of Athens University of Economics and Business; Budget 7,500€.
- January 2010 – December 2010: “*Bayesian Evaluation and Comparison of Generalized Latent Variable Models*”, Principal investigator in the research financed by BRFP-2 (IIEBE-2) of Athens University of Economics and Business; Budget: 8,750€.
- March 2009 – February 2010: “*Bayesian Variable Selection Using LASSO and Related Methods*”, Principal investigator in the post doctoral research of A.Lykou financed by BRFP-1 (IIEBE-1) of Athens University of Economics and Business; Budget: 9,400€.
- June – October 2007: “*Development of Credit Risk Software*”. Statistical consultant for SRC, Scientific research company.

Participation as a Researcher

- December 2000 – January 2001: Participation in ‘Standardization of Design Patterns for Systems of Tele-education’; IENEΔ Research Program, Code: 99EΔ542, University of Macedonia, Greece.
- September 2000 – December 2000: Statistical Consultant in ASPIS Study (Examination of schizotypic symptoms in air force soldiers); Athens University Mental Health Institute.

Organization of Conferences and Workshops

25–26 November 2019: Organizer of *4th AUEB Sports Analytics Workshop* (AUEB-SAW2018), Athens Greece; web-page: <https://aeb-analytics.wixsite.com/saw2018>.

- 6–8 September 2019:** Organizer of the conference *5th Athens Meeting on Statistics: Statistics5@Aegina*, Aegina island, Greece (in collaboration with the National Technical University of Athens, the University of Pavia and the University Cattolica Del Sacro Cuore); web-page <https://aueb-analytics.wixsite.com/statistics5>.
- 1–3 July 2019:** Organizer of *MathSport International Conference 2019* (MathSport2019), Athens Greece; web-page: <https://www.mathsport2019.com/> or <https://aueb-analytics.wixsite.com/mathsport2019>.
- 26–27 November 2018:** Organizer of *3rd AUEB Sports Analytics Workshop* (AUEB-SAW2018), Athens Greece; web-page: <https://aueb-analytics.wixsite.com/saw2018>.
- 7–8 November 2017:** Organizer of *2nd AUEB Sports Analytics Workshop* (AUEB-SAW2017), Athens Greece; web-page: <http://aueb-analytics.wixsite.com/sports/AUEB-saw-2017>.
- 3–5 July 2017:** Member of the Organizing committee of the conference *4th Meeting at Statistics at Florence* (Statistics4@Florence, Italy), Florence, Italy (in collaboration with the University of Florence, University of Pavia and the University Cattolica Del Sacro Cuore); web-page: <https://sites.google.com/universitadipavia.it/statistics4-florence/>.
- 29–30 November 2016:** Organizer of of *AUEB Sports Analytics Workshop* (AUEB-SAW2016), Athens Greece; web-page: <http://aueb-analytics.wixsite.com/sports/AUEB-sports-analytics-workshop-2016>.
- 24 – 26 June 2015:** Organizer of the conference *3rd Athens Meeting on Statistics*, Athens, Greece (in collaboration with the National Technical University of Athens, the University of Pavia and the University Cattolica Del Sacro Cuore); web-page <http://stat-athens.aueb.gr/~athens-meeting-stats/>.
- 22 – 23 June 2015:** Organizer of the Summer School (pre-conference course for the 3rd Meeting on Statistics): *Bayesian Modelling and Variable Selection Using WinBUGS and R*, 22 – 23 June 2015, Athens University of Economics and Business, Greece (in collaboration with the National Technical University of Athens); web-page http://stat-athens.aueb.gr/~athens-meeting-stats/winbugs_2015/home.html.
- 2 March – 3 April 2015:** Co-organizer of the “Second Spring School in R at AUEB”, Athens University of Economics and Business, Athens, Greece; web-page: <http://stat-athens.aueb.gr/~Rcourse/>.
- 23 – 27 June 2014:** Co-organizer of the “First Summer School in R at AUEB”, Athens University of Economics and Business, Athens, Greece.
- 24 – 25 August 2010:** Organizer of the Workshop: *Bayesian Modeling Using WinBUGS*, Athens, Greece (in collaboration with the National Technical University of Athens and the University of California – Santa Cruz).
- 3 – 6 June 2008:** Organizer of the conference *First Athens–Pavia Meeting on Statistics*, Mati, Attica, Greece (in collaboration with the University of Pavia and National Technical University of Athens).

Member of the organizing committee in the following conferences:

1. **29/7 – 2/8/2007**: Alexandroupolis, Greece: 28th Annual Conference of the International Society for Clinical Biostatistics.
2. **April 2007**: Nicosia, Cyprus: 20th Pan–Hellenic Conference in Statistics, Greek Statistical Institute.
3. **April 2006**: Kastoria, Greece: 19th Pan–Hellenic Conference in Statistics, Greek Statistical Institute.
4. **April 2004**: Lefkada, Greece: 17th Pan–Hellenic Conference in Statistics, Greek Statistical Institute.
5. **September 2002**: Samos, Greece: 1st Conference on Actuarial and Financial Mathematics, Department of Statistics and Actuarial Science, University of the Aegean.
6. **August 2001**: Spetses, Greece: Workshop on Model Selection via MCMC methods. Highly Structure Stochastic Systems.

Academic Awards and Distinctions

- 2018: Teaching Excellence Award for the course “Data Analysis” for year 2016–2017. Athens University of Economics and Business
- 2010: Honorable mention in the subject of Mathematics at the 2009 PROSE Awards for the book “Bayesian Modeling Using WinBUGS”, published by Wiley. *The (PROSE) Awards are awarded annually by the Association of American Publishers and recognize the very best in professional and scholarly publishing by bringing attention to distinguished books, journals, and electronic content in over 40 categories.*
- 2001: Lefkopoulion Award of the Greek Statistical Institute for the outstanding PhD thesis in Statistics for 1999–2000.

Other Academic Activities

- January 2019 – present: Associate Editor of Journal of the Royal Statistical Society C (Applied Statistics).
- Jan 2001 – Dec 2001: Corresponding Editor of Greece for the ISBA BULLETIN.
- Creator and Organizer of
 - GRSTATS email list and
 - Grstats Forum <http://grstats.forumotion.net/>
 - Grstats Facebook page <http://grstats.forumotion.net/>
- 2006–2007: General Secretary in the Greek Statistical Institute.

Editorships and reviews in journals

2019-2021 Associate Editor for the *Journal of the Royal Statistical Society C (Applied Statistics)*.

2019-2020 Guest Editor for the *IMA Journal of Management Mathematics* for the special volume *Mathematics in Sports*.

Reviewer in journals: Total of 37 journals, 84 articles; last updated on 16/11/2019.

1. American Statistician (2),
2. Annals of Statistics (1),
3. Astin Bulletin (3),
4. Australian and New Zealand Journal of Statistics (1)
5. Bayesian analysis (5),
6. Biometrika (4),
7. BMC Bioinformatics (1),
8. Canadian Journal of Statistics (1),
9. Communications in Statistics (7),
10. Computational Statistics and Data Analysis (7),
11. Econometrics and Statistics (1)
12. Electronic Journal of Statistics (2),
13. IMA Journal of Management Mathematics (2),
14. Journal of Computational and Graphical Statistics (4),
15. Journal of Multivariate Analysis (1),
16. Journal of Quantitative Analysis in Sports (4),
17. Journal of Sports Analytics (1),
18. Journal of Statistical Planning and Inference (2),
19. Journal of Statistical Computation and Simulation (1)
20. Journal of Statistical Software (2),
21. Journal of the American Statistical Association (3),
22. Journal of the Royal Statistical Society A (2),
23. Law, Probability and Risk (1),
24. Lifetime and Data Analysis (1),
25. Metrika (1)
26. Multivariate Behavioral Research (1),
27. North American Actuarial Journal (3),
28. Pakistan Journal of Statistics (1),
29. Psychometrika (1),
30. R Journal (1),
31. Royal Society Open Science (1),
32. Statistical Methods and Applications (2),
33. Statistical Modeling (3),
34. Statistical Papers (2),
35. Statistics and Computing (6),
36. Statistics in Medicine (1),
37. Stochastic Environmental Research and Risk Assessment (1).

References

- Professor Guido Consonni, Department of Statistical Science, Universita Cattolica del Sacro Cuore, Italy, e-mail: Guido.Consonni@unicatt.it, tel. +39 02 7234 3049.
- Professor Petros Dellaportas, Dept. of Statistics, Athens University of Economics and Business, 76 Patission Street, 10434, Athens Greece, e-mail: petros@aueb.gr, tel. +30 2108203567 (moving to UCL from September 2015).
- Professor Jonathan J. Forster, Department of Mathematics, University of Southampton, United Kingdom, email: jjf@maths.soton.ac.uk, tel. +44 (0)23 80595130.
- Professor Nial Friel, School of Mathematical Sciences, University College Dublin, Ireland, email: nial.friel@ucd.ie, tel. +353 1 716 2368.

Research Activity

Published Books

1. Ntzoufras I. (2009). *Bayesian Modeling Using WinBUGS: An Introduction*. Wiley Series in Computational Statistics, NJ: Hoboken, USA. (ISBN: 978-0-470-14114-4, 520 pages).
2. Ντζούφρας, Ι., Καρλής, Δ. (2015). Εισαγωγή στον προγραμματισμό και στη στατιστική ανάλυση με R. [e-book] Αθήνα: Σύνδεσμος Ελληνικών Ακαδημαϊκών Βιβλιοθηκών (Athens: Hellenic Academic Libraries link); available at <http://hdl.handle.net/11419/2601>.

Scientific Editing/Translation of Textbooks in Greek

1. Field A., Miles J. & Field (2019). *Discovering Statistics with R*. Propompos Publications.

Refereed Publications in Journals

1. Tzoumerkas G., Fouskakis D. and Ntzoufras I. (2022). Comparison of Power-Expected-Posterior Priors in Shrinkage Regression, *Journal of Statistical Theory and Practice* (to appear).
2. Charamis E, Marmarinos C, Ntzoufras I. (2022). Estimating team possessions in high-level European basketball competition. *International Journal of Sports Science & Coaching* (to appear), doi:10.1177/17479541211070788; on line first: 24 January 2022.
3. Kondakis M., Demiris N., Ntzoufras I. and Papanikolaou N.E. (2022). Inference and model determination for Temperature-Driven non-linear Ecological Models. *Environmental and Ecological Statistics*. **29**, 509–555
4. Papastamoulis, P. and Ntzoufras, I. (2022). On the identifiability of Bayesian factor analytic models. *Statistics and Computing*, **32**:23; <https://doi.org/10.1007/s11222-022-10084-4>.
5. Marsman, M., Huth, K., Waldorp, L. J., & Ntzoufras, I. (2022). Objective Bayesian edge screening and structure selection for networks of binary variables. *Psychometrika*, **87**, 47–82.
6. Fouskakis D. and Ntzoufras I. (2021). Power-Expected-Posterior Priors as Mixtures of g-Priors in Normal Linear Models. *Bayesian Analysis*, Advance Publication (to appear); DOI: 10.1214/21-BA1288.
7. Manasis V., Ntzoufras I. and Reade J.J. (2022). Competitive balance measures and the uncertainty of outcome hypothesis in European football. *IMA Journal of Management Mathematics*, **33**, 19–52.
8. Karlis D., Ntzoufras I. and Repoussis P. (2021). Mathematics meet sports. *IMA Journal of Management Mathematics*, **32**, 381–383.
9. Ntzoufras I, Palaskas V. and Drikos S. (2021). Bayesian Models for Prediction of the Set-Difference in Volleyball. *IMA Journal of Management Mathematics*, **32**, 491–518.
10. Staerk, C., Kateri, M. and Ntzoufras, I. (2021). High-dimensional variable selection via low-dimensional adaptive learning. *Electronic Journal of Statistics*, **15**, no. 1, 830–879. doi:10.1214/21-EJS1797. <https://projecteuclid.org/euclid.ejs/1611284540>.

11. Egidi, L., Ntzoufras, I. (2020). A Bayesian Quest for Finding a Unified Model for Predicting Volleyball Games *Journal of the Royal Statistical Society C (Applied Statistics)*, **69**, 1307–1336.
12. Fouskakis, D., Ntzoufras, I. (2020). Bayesian Model Averaging Using Power-Expected-Posterior Priors. *Econometrics*, **8**, issue 17.
13. Fouskakis D., Ntzoufras I. and Perrakis K. (2020). Variations of Power-Expected-Posterior Priors in Normal Regression Models, *Computational Statistics and Data Analysis*, **143**, Article 106836; Arxiv: <https://arxiv.org/abs/1609.06926>.
14. Drikos, S., Ntzoufras, I., and Apostolidis, N. (2019). Bayesian Analysis of Skills Importance in World Champions Men’s Volleyball across Ages. *International Journal of Computer Science in Sport*, **18**, 24–44.
15. Ntzoufras, I., Tarantola, C., and Lupparelli, M. (2019). Probability Based Independence Sampler for Bayesian Quantitative Learning in Graphical Log-Linear Marginal Models. *Bayesian Analysis*, **14**, 777–803.
16. Perrakis, K. and Ntzoufras I. (2018). Bayesian Variable Selection using the hyper-g prior in WinBUGS. *WIREs Computational Statistics*, **10**, Issue 6, e1442; <https://doi.org/10.1002/wics.1442>.
17. Fouskakis, D., Ntzoufras I. and Perrakis, K. (2018). Power-Expected-Posterior Priors for Generalized Linear Models. *Bayesian Analysis*, **13**, 721–748; arXiv:1508.00793v3 [stat.ME].
18. Consonni G., Fouskakis D., Liseo B., and Ntzoufras I. (2018). Prior Distributions for Objective Bayesian Analysis. *Bayesian Analysis*; **13**, 627–679.
19. Charitidou, E., Fouskakis, D. and Ntzoufras, I. (2018). Objective Bayesian transformation and variable selection using default Bayes factors. *Statistics and Computing*, **28**, 579–594.
20. Malesios, C., Demiris, N., Kalogeropoulos, K. and Ntzoufras I. (2017). Bayesian spatio-temporal epidemic models with applications to sheep pox. *Statistics in Medicine*, **36**, 3216–3230; arXiv:1403.1783 [stat.AP].
21. Fouskakis, D. and Ntzoufras, I. (2017). Information consistency of the Jeffreys power-expected-posterior prior in Gaussian linear models. *Metron*, **75**, 371–380.
22. Vitoratou, S. and Ntzoufras, I. (2017). Thermodynamic assessment of probability distribution divergencies and Bayesian model comparison. *Statistics and Computing* **27**, 1165–1180.
23. 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**(03), 647–664; arXiv:1307.2449 [stat.CO].
24. 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; arXiv:1307.2435v1 [stat.CO].
25. Vitoratou, S., Ntzoufras, I. and Moustaki I. (2016). Explaining the behavior of joint and marginal Monte Carlo estimators in latent variable models with independence assumptions. *Statistics and Computing*, **26**, 333–348; arXiv:1311.0656 [stat.CO].
26. Charitidou, E., Fouskakis, D. and Ntzoufras I. (2015). Bayesian transformation family selection: moving towards a transformed Gaussian universe. *The Canadian Journal of Statistics*, **43**, 600–623; doi: 10.1002/cjs.11261; arXiv:1312.3482 [stat.ME].

27. Perrakis, K. and Ntzoufras, I. (2015). Stochastic Search Variable Selection (SSVS). *Wiley StatsRef: Statistics Reference Online*, DOI: 10.1002/9781118445112.stat07829.
28. Vitoratou, S., I. Ntzoufras, C. Theleritis, N. Smyrnis, N.C. Stefanis (2015). Temperament and character dimensions assessed in general population, in individuals with psychoactive substance dependence and in young male conscripts. *European Psychiatry*, **30**, 474–479
29. Fouskakis, D., Ntzoufras, I. and Draper, D. (2015). Power–Expected–Posterior Priors for Variable Selection in Gaussian Linear Models. *Bayesian Analysis*, **10**, 75–107.
30. Manasis, V. and Ntzoufras, I. (2014). Between–seasons Competitive Balance in European Football: Review of Existing and Development of Specially Designed Indices. *Journal of Quantitative Analysis in Sports*, **10**, 139–152.
31. Perrakis, K., Ntzoufras, I. and Tsonas, E.G. (2014). On the Use of Marginal Posteriors in Marginal Likelihood Estimation via Importance–Sampling. *Computational Statistics and Data Analysis*, **77**, 54–69.
32. Mavridis, D. and Ntzoufras I. (2014). Stochastic Search Item Selection for Factor Analytic Models. *British Journal of Mathematical and Statistical Psychology*, **67**, 284–303.
33. Vitoratou, S., Ntzoufras, I and Moustaki, I. (2014). Marginal likelihood estimation from the Metropolis output: tips and tricks for efficient implementation in generalized linear latent variable model. *Journal of Statistical Computation and Simulation*, **84**, 2091–2105 ; DOI: 10.1080/00949655.2013.783580.
34. Tarantola, C., Ntzoufras, I. and Lupparelli, M. (2013). Graphical Marginal Log–Linear Models: a Bayesian Perspective (discussion). *Sociological Methodology*, **43**, 109–113.
35. Ntzoufras I. and Tarantola C. (2013). Conjugate and Conditional Conjugate Bayesian Analysis of Discrete Graphical Models of Marginal Independence. *Computational Statistics and Data Analysis*, **66**, 161–177.
36. 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.
37. Lykou, A. and Ntzoufras, I (2013). On Bayesian Lasso Variable Selection and the Specification of the Shrinkage Parameter. *Statistics and Computing*, **23**, 361–390.
38. Manasis, V., Avgerinou, V., Ntzoufras, I. and Reade, J. (2013). Quantification of competitive balance in European football: Development of specially designed indices. *IMA Management Mathematics*, **24** (3), 363–375.
39. Dellaportas, P, Forster, J.J. and Ntzoufras, I. (2012). Joint Specification of Model Space and Parameter Space Prior Distributions. *Statistical Science*, **27**, 232–246.
40. Tarantola C., Vicard P. and Ntzoufras I. (2012). Monitoring and Improving Greek Banking Services Using Bayesian Networks: an Analysis of Mystery Shopping Data. *Expert Systems with Applications*, **39**, 10103–10111.
41. Manasis, V. and Avgerinou, V. and Ntzoufras, I. and Reade, J.J., (2011). Measurement of competitive balance in professional team sports using the Normalized Concentration Ratio. *Economics Bulletin*, **31**, 2529–2540.
42. Lykou, A. and Ntzoufras, I (2011). WinBUGS: A Tutorial (invited). *WIREs Computational Statistics*, **3**, 385–396.
43. Karlis, D. and Ntzoufras, I. (2010). Robust fitting of football prediction models. *IMA Journal of Management Mathematics*, **22**, 171–182.

44. Tseloni, A., Ntzoufras, I., Nicolaou, A. and Pease, K. (2010). Concentration of personal and household crimes in England and Wales. *European Journal of Applied Mathematics*, **21**, 325–348.
45. Iliopoulos, G., Kateri, M. and Ntzoufras I. (2009). Bayesian Model Comparison for the Order Restricted RC Association Model. *Psychometrika*, **74**, 561–587.
46. 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 C (Applied Statistics)*, **58**, 383–403.
47. Fouskakis, D., Ntzoufras, I. and Draper, I. (2009). Bayesian variable selection using cost-adjusted BIC, with application to cost-effective measurement of quality of health care. *Annals of Applied Statistics* **3**, 663–690.
48. Eleftheraki, A.G., Kateri, M. and Ntzoufras, I. (2009). Bayesian Analysis of Two Dependent 2x2 Contingency Tables. *Computational Statistics and Data Analysis*, **53**, 2724–2732.
49. Karlis, D. and Ntzoufras, I. (2009). Bayesian modelling of football outcomes: using the Skellam’s distribution for the goal difference. *IMA Journal of Management Mathematics*, **20**, 133–146.
50. Vitoratou, S. Ntzoufras, I., Smyrnis, N. and Stefanis, N.C. (2009). Factorial composition of the Aggression Questionnaire: a multi sample study in Greek adults. *Psychiatry Research*, **168**(1), 32–39.
51. Iliopoulos G. , Kateri M. and Ntzoufras I. (2007). Bayesian Estimation of Unrestricted and Order-Restricted Association Models for a Two-Way Contingency Table. *Computational Statistics and Data Analysis*, **51**, 4643–4655.
52. Karlis D. and Ntzoufras, I. (2006). Bayesian analysis of the differences of count data. *Statistics in Medicine*, **25**, 1885–1905.
53. Stefanis, N.C. , Vitoratou, S., Ntzoufras, I., Smyrnis, N., Evdokimidis, I., Stefanis, C.N. (2006). Psychometric properties of the Greek version of the Schizotypal Personality Questionnaire (SPQ) in young male obligatory conscripts: A two years test-retest study. *Personality and Individual Differences*, **41**, 1275–1286.
54. Stefanis N.C., Vitoratou S., Smyrnis N., Constantinidis T., Evdokimidis I., Hatzimanolis I., Ntzoufras I. and Stefanis C. (2006). Mixed handedness is associated with the Disorganization dimension of schizotypy in a young male population. *Schizophrenia research* **87**, 289–296.
55. Katsis, A. and Ntzoufras, I. (2005). Testing Hypotheses for the Distribution of Insurance Claim Counts Using the Gibbs Sampler. *Journal of Computational Methods in Sciences and Engineering*, **5**, 201–214.
56. Iliopoulos, G., Karlis, D. and Ntzoufras, I. (2005) Bayesian estimation in Kibble’s bivariate gamma distribution. *Canadian Journal of Statistics*, **33**, 571–589 .
57. Karlis, D. and Ntzoufras, I. (2005). Bivariate Poisson and Diagonal Inflated Bivariate Poisson Regression Models in R. *Journal of Statistical Software*, Volume **14**, Issue 10.
58. Ntzoufras, I., Katsis, A. and Karlis, D. (2005). Bayesian Assessment of the Distribution of Insurance Claim Counts Using Reversible Jump MCMC. *North American Actuarial Journal*, **9**, 90–108.
59. Kateri, M., Nicolaou, A. and Ntzoufras, I. (2005). Bayesian Inference for the RC(m) Association Model. *Journal of Computational and Graphical Statistics*, **14**, 116–138.

60. Stefanis, N.C., Smyrnis, N., Avrampoulos, D., Evdokimidis, I., Ntzoufras, I. and Stefanis, C.N. (2004). Factorial composition of self rated schizotypal traits amongst young males undergoing military training: The ASPIS. *Schizophrenia Bulletin*, **30**, 335 – 350.
61. Karlis, D. and Ntzoufras, I. (2003). Analysis of Sports Data Using Bivariate Poisson Models. *Journal of the Royal Statistical Society, D*, (Statistician), **52**, 381 – 393.
62. Ntzoufras, I., Dellaportas, P. and Forster, J.J. (2003). Bayesian Variable and Link Determination for Generalized Linear Models. *Journal of Statistical Planning and Inference*, **111**, 165 – 180.
63. Ntzoufras, I. (2002). Gibbs Variable Selection Using BUGS. *Journal of Statistical Software*, Volume **7**, Issue 7, 1 – 19 .
64. Ntzoufras, I. and Dellaportas, P. (2002). Bayesian Modelling of Outstanding Liabilities Incorporating Claim Count Uncertainty (with discussion). *North American Actuarial Journal*, **6**, 113–128.
65. Dellaportas, P., Forster, J.J. and Ntzoufras, I. (2002). On Bayesian Model and Variable Selection Using MCMC. *Statistics and Computing*, **12**, 27–36.
66. Ntzoufras, I., Forster, J.J. and Dellaportas, P. (2000). Stochastic Search Variable Selection for Log-linear Models. *Journal of Statistical Computation and Simulation*, **68**, 23–38.
67. Karlis, D. and Ntzoufras, I. (2000). On Modelling Soccer Data. *Student*, **3**, 229–244.

Refereed Publications in Books/Volumes

- Manasis, V., Avgerinou, V. and Ntzoufras, I. (2011). A New Approach for the Measurement of Seasonal Competitive Balance. In *Europäische Sportmodelle – Gemeinsamkeiten und Differenzen in international vergleichender Perspektive (European sports models – similarities and differences in international comparative perspective)*, Emrich E., Pierdzioch C., Büch P.–M. (eds.) in collaboration with Bischoff F., *Reihe Sportökonomie (Series of Sports Economics)*, Volume 13, Hofmann–Verlag GmbH & Co, Germany.
- Ntzoufras, I. (2010). Bayesian Analysis of the Normal Regression Model. In *Rethinking Risk Measurement and Reporting: Uncertainty, Bayesian Analysis and Expert Judgement: Volume I*, (K. Bocker, ed.). Risk Books. ISBN–10: 1–906348–40–5, ISBN–13: 978–1–906348–40–3, pp. 69–106.
- Dellaportas, P., Forster, J.J. and Ntzoufras, I. (2000). Bayesian Variable Selection Using the Gibbs Sampler. *Generalized Linear Models: A Bayesian Perspective* (D.K.Dey, S.Ghosh and B. Mallick, eds.). New York: Marcel Dekker, 271 – 286.
- Ntzoufras, I. (1999). Discussion on ‘Bayesian Model Averaging and Model Search Strategies’. in *Bayesian Statistics 6* (J.M.Bernardo, A.P.Dawid and A.F.M. Smith, eds.). Oxford University Press, 178 – 179.

Publications in Conference Proceedings and Volumes

1. Nikolakopoulos, S, and Ntzoufras, I. (2020): Evidence Synthesis Using Bayes Factors, *Proceedings of the 32nd Panhellenic Statistics Conference*, 377–391

2. Egidi L. and Ntzoufras I. (2019). Modelling volleyball data using a Bayesian approach. *Proceedings of MathSport 2019 International Conference*, pp. 86–95; 1–3 July 2019, Athens, Greece.
3. Leriou I., Ntzoufras I. and Karlis D. (2019). Survival Modelling of Goal Arrival Times in Champions League. *Proceedings of MathSport 2019 International Conference*, pp. 234–240; 1–3 July 2019, Athens, Greece.
4. Mantzouni A., Tarantola C., Ntzoufras I. (2016). Power Priors for Bayesian Analysis of Graphical Models of Conditional Independence in Three Way Contingency Tables. *Proceedings of the 49th Scientific Meeting of the Italian Statistical Society (SIS 2018)*, 1635–1640.
5. Mantzouni A., Ntzoufras I., Kateri M. (2016). Bayesian Inference and Model Selection for Association models in Contingency tables. *Proceedings of the 29th Panhellenic Statistics Conference*, 345–359.
6. Staerk, C., Kateri, M., Ntzoufras, I. (2016): An adaptive subspace method for high-dimensional variable selection. *Proceedings of 31st International Workshop on Statistical Modelling*, pp. 295–300.
7. Drikos S. and Ntzoufras I. (2015). Skills Importance across Ages for Men’s Volleyball. *Proceedings of the 5th International Conference on Mathematics in Sport*, Loughborough University, U.K. (29 June 1 July 2015), Kay A., Owen A., Halkon B., King M. (eds.), p. 24–31; available at <http://www.mathsportinternational.com/MathSport2015Proceedings.pdf>.
8. Perrakis, K., Fouskakis, D. and Ntzoufras, I. (2015). Bayesian Variable Selection for Generalized Linear Models Using the Power–Conditional–Expected–Posterior Prior. *Statistics from Methods to Models and Applications* **126**, Frühwirth–Schnatter, S., Bitto, A., Kastner, G. & Posekany, A. (eds.), Springer Proceedings in Mathematics & Statistics, Springer International Publishing, pp. 59–73.
9. Charitidou, E., Fouskakis, D., Ntzoufras, I. (2014). On Bayesian transformation selection: Problem formulation and preliminary results. *The Contribution of Young Researchers to Bayesian Statistics: Proceedings of BAYSM2013*, Lanzarone E. and Ieva F. (eds.), Springer Proceedings in Mathematics and Statistics, 63, 11–14.
10. Tarantola, C. and Ntzoufras, I. (2014). Bayesian Analysis of Discrete Bi–directed Graphical Models via Augmented DAG Representation. *Advances in Latent Variables (Proceedings of the conference Advances in Latent Variables – Methods, Models and Applications)*, Brentari E., Carpita M., Vita e Pensiero (eds.), Springer; also available at <http://meetings.sis--statistica.org/index.php/sis2013/ALV/schedConf/presentations>.
11. Tarantola, C. and Ntzoufras, I. (2009). Bayesian Analysis Of D–Decomposable Bidirected Graphical Models For Discrete Data. *Complex Data Modeling and Computationally Intensive Statistical Methods for Estimation and Prediction (S.Co.2009)*; <http://www2.mate.polimi.it/convegni/viewabstract.php?id=104&cf=7>.
12. Eleftheraki, A., Kateri, M. and Ntzoufras, I. (2006). Bayesian Analysis of Corellated 2×2 Contingency Tables (in Greek) *Proceedings of the Greek Statistical Institute*, **19**, 213–220.
13. Ntzoufras, I. and Katsis, A. (2004). Bayesian Comparison of Discrete Distributions Using MCMC. *Proceedings of the Greek Statistical Institute*, **17**, 543 – 550.
14. Ntzoufras, I., Katsis, A. and Karlis, D. (2003). A Bayesian Statistical Modelling Approach for the Distribution of Insurance Claim Counts. *Proceedings of the International Conference of Computational Methods in Sciences and Engineering*, **2003**, 470 – 473.

15. Karlis, D. and Ntzoufras, I. (2003). Bayesian and Non-Bayesian Analysis of Soccer Data Using Bivariate Poisson Regression Models. *Proceedings of the Greek Statistical Institute*, **16**, 605–612.
16. Ntzoufras, I., Dellaportas, I. and Forster, J.J. (2003). On Prior Distributions for Bayesian Model Selection. *Proceedings of the Greek Statistical Institute*, **15**, vol.B, 760–767.
17. Kateri, M., Nicolaou, A. and Ntzoufras, I. (2003). Evaluation of the fit of the RC(M) Association Model: A Bayesian Perspective. *Proceedings of the Greek Statistical Institute*, **15**, vol.B, 723–730 .
18. Ntzoufras, I. (2002). Bayesian Model and Variable Selection Using MCMC: Applications in Medicine. *Proceedings of the Greek Statistical Institute*, **14**, 631 – 638.
19. Ntzoufras, I. and Dellaportas, I. (2002). Bayesian Modelling for Prediction of Outstanding Automobile Claim Amounts. *Proceedings of the Greek Statistical Institute*, **14**, 639 – 646.
20. Ntzoufras, I., Dellaportas, P. and Forster, J.J. (1999). Specification and Interpretation of Prior Distributions for Variable Selection in Linear Models. *Proceedings of the Fourth Hellenic-European Conference on Computer Mathematics and its Applications* (E.A.Lipitakis, eds.). Athens: LEA, 451–458.
21. Karlis, D. and Ntzoufras, I. (1999) Statistical Modelling for Soccer Games: The Greek League. *Proceedings of the Fourth Hellenic-European Conference on Computer Mathematics and its Applications* (E.A.Lipitakis, eds.). Athens: LEA, 541–548.
22. Ntzoufras, I., Dellaportas, P. and Forster, J.J. (1996). A Comparison of Markov Chain Monte Carlo Methods for Log-Linear Model Selection. *Proceedings of the Third Hellenic-European Conference on Mathematics and Informatics* (E.A.Lipitakis, eds.). Athens: LEA, 506–514.

Submitted Work

1. Nikolakopoulos, S. and Ntzoufras, I. (2021). *Evidence Synthesis of Bayes Factors*. arXiv:2103.13236 [stat.ME].
2. Tzai L., Ntzoufras I., Vassalos V. and Dimitriou S. (2021). Expert Systems With Applications Predictions of European Basketball Match Results with Machine Learning Algorithms.
3. Basini F., Tsouli V., Ntzoufras I. and Friel N. (2021). Assessing competitive balance in the English Premier League for over forty seasons using a stochastic block model. arXiv:2107.08732 [stat.AP].

Presentations in Conferences

1. 6–8 September 2019, 5th Meeting on Statistics: Statistics5@Aegina, Aegina island, Greece, “How can we make Objective Bayesian Model comparisons in a subjective Bayes world?”.
2. 19–22 December 2018, Greek Stochastics κ' : Statistical Learning, Athens, Greece, “Can we make Objective Bayesian Model comparisons in a subjective Bayes world?”.
3. 22–23 October 2018, Challenges in Categorical Data Analysis, Aachen, Germany, “Objective Bayes Model Comparisons for Categorical Data” (short presentation).
4. 24–29 June 2018, ISBA 2018 World Meeting, Edinburgh, Scotland “Probability Based Independence Sampler for Bayesian Quantitative Learning in Graphical Log-Linear Marginal Models” (poster presentation).

5. 14–17 July 2017, Greek Stochastics ι' : Model Determination, Milos, Greece, “Properties of Variations of Power–Expected–Posterior Priors”.
6. 3–5 July 2017, Statistics@Florence, Italy, “Properties of Variations of Power–Expected–Posterior Priors”.
7. 8–12 May 2017, 9th Conference of the Eastern Mediterranean Region of the International Biometric Society (EMR–IBS 2017), Thessaloniki, Greece, “Power–Expected–Posterior Priors for Generalized Linear Models”.
8. 29–30 November 2017, AUEB Sports Analytics Workshop, Athens University of Economics and Business, Greece, “Measuring Competitive Balance in Sports”.
9. 13–17 June 2016, ISBA 2016 World Meeting, Sardinia, Italy, “Power–Expected–Posterior Priors in Generalized Linear Models” (poster presentation).
10. 29 June – 1 July 2015, MathSport International 2015, Loughborough, UK, Measuring Competitive Balance and Uncertainty of Outcome Hypothesis in European Football.
11. 24 – 26 June 2015, 3rd Meeting on Statistics: Athens, Greece, Power expected posterior priors in Generalized Linear Models; slides are available at <https://www.dropbox.com/s/i6w80nz0oi1qtaq/Ntzoufras.pdf?dl=0>.
12. 1 – 3 June 2015, Objective Bayes Workshop: Valencia 2015, Valencia, Spain, Power expected posterior priors in Generalized Linear Models (invited presentation with discussion); slides are available at <http://stat-athens.aueb.gr/~jbn/papers/obayes15.htm>.
13. 24–25 June 2013, High–Dimensional Inference with Applications Workshop (in Honor of Professor Philip Brown), University of Kent, Canterbury, UK “*Joint Specification of Model Space and Parameter Space Prior Distributions*”, (poster presentation).
14. 5–7 June 2013, Leuven, Belgium, MathSport International 2013, “*Modelling goal arrival times in Association Football*”.
15. 25–28 August 2012, Kalamata, Greece, Greek Stochastics δ , “*Joint Specification of Model Space and Parameter Space Prior Distributions*”.
16. 1–5 June 2011: Crete, Greece, Hierarchical Models and Markov Chain Monte Carlo Conference in Honour of Professor Adrian F.M.Smith., “*On Bayesian Lasso Variable Selection and the Specification of the Shrinkage Parameter*” (poster presentation).
17. 23–25 September 2010: Sardinia, Italy, 2nd Greco Italian Meeting on Statistics, “*On Bayesian Variable Selection Using Lasso*”.
18. 30 May – 1 June 2010: CRISM, University of Warwick, UK, Workshop on Model Uncertainty, “*Population–Based Reversible–Jump MCMC for Bayesian Variable Selection and Evaluation Under Cost–Limit Restrictions*”.
19. June 2008: Mati, Attica, Greece, First Athens–Pavia Meeting on Statistics, “*Bayesian Model Comparison for the Order Restricted RC Association Model*”.
20. 29/7–2/8/2007: Alexandroupolis, Greece 28th Annual Conference of the International Society for Clinical Biostatistics, “*Incorporating cost in the Bayesian inference for the assessment of health care quality*”.
21. 11–14 April 2007, Nicosia, Cyprus, 20th Hellenic Statistical Conference, Greek Statistical Institute, “*Bayesian Score Merging for the Order Restricted RC Association Model*”.

22. 1 – 6 June 2006: Benidorm, Spain, Valencia/ISBA 8th World Meeting on Bayesian Statistics, “*Bayesian Analysis of Order–Restricted Association Models for Two–Way Contingency Tables*” (poster presentation)
23. 28–31 October 2005: Limassol, Cyprus, 3rd EMR–IBS International Conference, “*Bayesian Analysis of Bivariate Count Data*”.
24. May 2005: Corfu, Greece, 3rd EMR–IBS International Conference, “*Bayesian Analysis of Count Difference Data*” (Poster Presentation).
25. April 2004: Lefkada, Greece, 17th Hellenic Statistical Conference, Greek Statistical Institute, “*Bayesian Comparison of Discrete Distributions Using MCMC*” (Oral Presentation).
26. April 2003: Kavala, Greece, 16th Hellenic Statistical Conference, Greek Statistical Institute, “*Bayesian Tests for Poisson Difference Data*” (Oral Presentation).
27. 6 – 12 July, 2002: Chania, Greece, 17th International Workshop on Statistical Modeling, Tutorial “*Introduction to MCMC*” (with Petros Dellaportas).
28. June 2002: Tenerife, Spain, 7th Valencia International Meeting in Bayesian Statistics, “*Some Thoughts on Prior Distributions and Posterior Model Probabilities*” (poster presentation).
29. May 2002: Ioannina, Greece, 15th Hellenic Statistical Conference, Greek Statistical Institute, “*On Prior Distributions for Bayesian Model Selection*” (Oral Presentation).
30. August 2001: Spetses, Greece, Workshop on MCMC Model Choice Methods, “*Some Thoughts on Prior Distributions and Posterior Model Odds*” (oral presentation).
31. April 2001: Skiathos, 14th Hellenic Statistical Conference, Greek Statistical Institute,
 - “*Bayesian Model and Variable Selection Using MCMC: Applications in Medicine*” (Presentation of Lefkopoulion Award).
 - “*Bayesian Modelling for the Prediction of Outstanding Automobile Claim Amounts*” (Oral Presentation).
32. January 2001: Athens, Greece, Inaugural EuroConference, Eastern Mediterranean Region, International Biometric Society, “*Markov Chain Monte Carlo Bayesian Variable Selection for Parametric Survival Models*” (poster presentation).
33. September 1998: Athens, Greece, Fourth Hellenic–European Conference on Mathematics and its Applications, “*Specification and Interpretation of Prior Distributions for Variable Selection in Linear Models*” (Oral presentation).
34. September 1998: Athens, Greece, Fourth Hellenic–European Conference on Mathematics and its Applications, “*Statistical Modelling for Soccer Games: The Greek League*” (Oral presentation).
35. May 1998: Valencia Spain, Sixth International Meeting in Bayesian Statistics, “*Aspects of Bayesian Model Choice*” (poster presentation).
36. July 1997, Nottingham, United Kingdom, RSS97 Conference, “*Bayesian Prediction for Insurance Companies*” (poster presentation).
37. September 1996: Athens, Greece, Third Hellenic–European Conference on Mathematics and Informatics, “*A Comparison of Markov Chain Monte Carlo Methods for Log–Linear Model Selection*” (oral presentation).

Participation in workshops/courses

- 7–13 October 2001: Lugano, Switzerland, ECAS course 2001, Bayesian Statistics and Financial Econometrics.
- August 1997: Skoerping, Denmark, European Summer School on Advanced MCMC Methods.

Seminar Talks/Presentations

- 17 April 2019, *Computational Methods for Bayesian Variable Selection*, First One Day Workshop of the School of Information Sciences and Technology, AUEB.
- 4 April 2019: *How can we make Objective Bayesian Model comparisons in a subjective Bayes world?*, Department of Psychology, UVA, Amsterdam.
- 6 February 2019: *Football Analytics: Problems, methods, and funfacts*, Hub Science, Athens, Greece; video available at <https://www.blod.gr/lectures/football-analytics-problimata-methodoi-kai-diaskedastiki-statistiki/> (in Greek).
- 13 May 2016: *Bayesian Variable Selection Using Power–Expected–Posterior Priors in GLMs*, Department of Mathematics, National Technical University of Athens.
- 28 April 2015: *Using Regression Models in Psychometric Data*, Aeginitio University Hospital, University of Athens.
- 5 November 2013, “*Uncertainty, Competitive Balance and Professional Team Sports*”, STARf Thinking Seminar Series, Department of Statistics, Athens University of Economics and Business.
- 4 July 2013, “*Power–Expected–Posterior Priors for Variable Selection in Gaussian Linear Models*”, Institute of Statistics, RWTH Aachen University, Germany.
- 7 December 2010, “*On Bayesian Variable Selection Using Lasso and the specification of the shrinkage parameter*”, US+US Seminar Series, Department of Statistics, Athens University of Economics and Business.
- 2 June 2010, “*Incorporating cost in Bayesian Variable Selection, with application to cost-effective measurement of quality of health care*”, Department of Mathematical Sciences, University of Bath, UK.
- 25 September 2009, “*Incorporating cost in Bayesian Variable Selection, with application to cost-effective measurement of quality of health care*”, Department of Statistics, London School of Economics, London, UK.
- 23 September 2009, “*Population–Based Reversible–Jump MCMC for Bayesian Variable Selection and Evaluation Under Cost–Limit Restrictions*”, Actuarial Mathematics and Statistics, School of Mathematical and Computer Sciences, Heriot–Watt University, Edinburgh, UK.
- 8 November 2008, “*Incorporating cost in Bayesian Variable Selection, with application to cost-effective measurement of quality of health care*”, Department of Decision Sciences, Bocconi University, Italy.
- 26 June 2007, “*Bayesian Score Merging for the Ordered RC Model*”, Department of Mathematics, University of Lancaster, UK.

- 6 June 2007, “*Bayesian Score Merging for the Ordered RC Model*”, Department of Statistics, Athens University of Economics and Business, Athens, Greece.
- 22 January 2001, “*On Bayesian Model and Variable Selection Using MCMC*”, Department of Business Administration, University of Macedonia, Thessaloniki, Greece.
- 18 January 2000, “*On Bayesian Model and Variable Selection Using MCMC*”, Department of Statistics and Insurance Science, University of Piraeus, Piraeus, Greece.

Research Visits

- 9–14 October 2016: University College Dublin, Dublin, Ireland (research collaboration with Professor Nial Friel).
- 1–9 July 2014: Institute of Statistics of RWTH Aachen University, (research collaboration with Professor Maria Kateri funded by IKYDA2014).
- 4–5 July 2013: Institute of Statistics of RWTH Aachen University, (research collaboration with Professor Maria Kateri).
- 4–10 December 2011: University College Dublin, Dublin, Ireland (research collaboration with Professor Nial Friel).
- 9–15 October 2011: University of Pavia, Department of Economics and Quantitative Methods (joint work with Claudia Tarantola).
- 1–6 November 2010: University of Pavia, Department of Economics and Quantitative Methods (joint work with Claudia Tarantola).
- 25 September 2009: London School of Economics, Department of Statistics, London, UK (research meeting with Dr. I.Moustaki and S.Vitoratou).
- 21–24 September 2009: Heriot–Watt University, School of Mathematical and Computer Sciences, Edinburgh, UK (discussions for possible collaboration with Dr. George Streftaris).
- 7 – 17 December 2008: Imperial College, Centre for Biostatistics, London, UK (joint work with Leonardo Bottolo and Sylvia Richardson).
- September–November 2008: University of Pavia, Department of Economics and Quantitative Methods (joint work with Claudia Tarantola).
- 7–12 October 2007, 21–27 January 2007, July 2006: University of Pavia, Department of Economics and Quantitative Methods (joint work with Claudia Tarantola).

Teaching Experience

International Workshops and Summer Courses (in English) (Updated 28/5/2020)

- **23 – 27 September 2019:** *Summer school on Advanced Bayesian Methods* “Bayesian Variable Selection Methods”, Interuniversity Institute for Biostatistics and statistical Bioinformatics, Leuven, Belgium (Invited; Main tutor, total of 18 hours).

- 22 – 23 June 2015:** *Summer School in Bayesian Modelling and Variable Selection Using WinBUGS and R*, 22 – 23 June 2015, Athens University of Economics and Business, Greece (GLMs using WinBUGS, Bayesian Variable Selection Using WinBUGS and BAS; total of 6 hours) (organizer and tutor - 5 teaching hours out of the total 14); http://stat-athens.aueb.gr/~athens-meeting-stats/winbugs_2015/home.html.
- 2 March – 3 April 2015:** Second Spring School in R AUEB (Tutor in 2 modules \times 3 hours – Bayesian Statistics module).
- 23 – 27 June 2014:** First Summer School in R AUEB (Tutor in 2 modules \times 6 hours – Introductory module and Bayesian Statistics module).
- 5 – 6 December 2011:** MCMC, WinBUGS and Bayesian Model Selection, Irish Statistical Association (ISA) Short courses, University College Dublin, Dublin Ireland (6 hours out of 12 hours in total; jointly taught with Professor Nial Friel).
- 24 – 25 August 2010 :** Workshop on Bayesian Modeling Using WinBUGS, Workshop co-organized in Athens, Greece by Athens University of Economics and National Technical University.
- 8 – 12 July 2002:** Tutorial ‘Introduction to MCMC’, introductory short course at 17th International Workshop on Statistical Modeling (with P. Dellaportas).

Teaching in English (Courses/Short courses/M.Sc. courses) (Updated 28/5/2020)

- 11–16 May 2020:** *Bayesian Statistics*. PhD program in Statistics, University of Milano–Bicocca, Italy (6th time, 18 hours).
- 13–17 May 2019:** *Bayesian Statistics*. PhD program in Statistics, University of Milano–Bicocca, Italy (5th time, 18 hours).
- 14–25 May & 4–8 June 2018 :** *Statistical Modelling (Part 3 – Bayesian Modeling Using WinBUGS)*, M.Sc. in Economics, University Cattolica Del Sacro Cuore. (3rd time – 26 hours).
- 14 May – 5 June 2018:** *Bayesian Statistics*. PhD program in Statistics, University of Milano–Bicocca, Italy (4th time, 12 hours).
- 25–30 September 2017:** *Bayesian Statistics*. PhD program in Statistics, University of Milano–Bicocca, Italy (3rd time, 12 hours).
- 27–29 October 2016:** *A Short Introduction to Bayesian Modelling Using WinBUGS*, Department of Economics and Management, University of Pavia, Italy (6 hour undergraduate seminar – invited by the University of Pavia).
- 23 May – 4 June 2016:** *Statistical Modelling Part 3: Bayesian Modeling Using WinBUGS*, M.Sc. in Economics, University Cattolica Del Sacro Cuore, Italy (2nd time, 26 hours).
- 11–16 April 2016:** *Bayesian Statistics*. PhD program in Statistics, University of Milano–Bicocca, Italy (2nd time, 12 hours).
- 11–15 May 2015:** *Bayesian Statistics: Modelling, computation and testing (part A)*. PhD program in Statistics, University of Milano–Bicocca, Italy (1st time, 12 hours).
- 23 February – 6 March 2015:** *Statistical Modelling Part 3: Bayesian Modeling Using WinBUGS*, M.Sc. in Economics, University Cattolica Del Sacro Cuore, Italy (1st time, 26 hours).

- 30 October 2014 – 29 December 2015:** *Statistics for Business Analytics I*, M.Sc. in Business Analytics, Department of Management Science and Technology, Athens University of Economics and Business, Greece. (1 time, $9 \times 3 = 27$ hours in total and additional $3 \times 3 = 9$ hours of lab sessions).
- 3–11 April & 8–10 May 2013:** Computational Statistics Part III: Bayesian Modeling Using WinBUGS, Msc Course in Statistics, La Sapienza University, Rome, Italy (1 time, 23 hours in total).
- 2–5 November 2010:** *A Short Introduction to Bayesian Modelling Using WinBUGS*, Department of Economics and Quantitative Methods, University of Pavia, Italy (6 hour undergraduate Erasmus course).
- 22 September 2009:** *An Introductory Tutorial on Bayesian Variable Selection*, School of Mathematical and Computer Sciences, Heriot–Watt University, Edinburgh, UK.

Postgraduate Courses (in Greek) (Updated 28/5/2020)

- ***M.Sc. in Statistics, Athens University of Economics and Business:***
 1. Advanced Data Analysis (with R) (2014–2020, 6 times, $14 \times 4 = 52$ hours).
 2. Bayesian Models in Statistics (2017–18 & 2019–20, 2 times, 18 hours)
- ***Part-time M.Sc. in Applied Statistics, Athens University of Economics and Business:***
 1. Applied Bayesian Statistics (2019–2020, 1 time, 24 hours)
- ***Part-time M.Sc. in Statistics, Athens University of Economics and Business:***
 1. Biostatistics (2015–2018, 3 times, 18 hours)
 2. Epidemiology and applications using WinBUGS (2010–2015, 5 times, 18–21 hours)
 3. Analysis of Variance (2006–2014, 9 times, 12 hours)
 4. Data Analysis (Case Studies) (2012–13, 1 time, 18 hours)
 5. Epidemiology (2006–2010, 3 times, 18 hours)
 6. Generalized linear models (2004–2014, 10 times, 21 hours)
- ***M.Sc. in Business Analytics (PT & FT), Athens University of Economics and Business:***
 1. Statistics for Business Analytics I (2014–2020; 11 times, 10 times with other colleagues (15–18 hours), total course: 60 hours)
- ***M.Sc. in Data Science (PT & FT), Athens University of Economics and Business:***
 1. Bayesian Statistics and Simulation (2016–2020; 4 times jointly taught with other colleagues; 18 hours out of 30 hours in total)
 2. Elements of Statistics and Probability (2015–2017; 4 times; 18 hours)
- ***M.Sc. in Business Administration, University of the Aegean:***
 1. Statistics and Data Analysis (2001–2004, 3 times, 2 times jointly with Prof. Aggelis)
 2. Operational Research and Management (2001–2004, 3 times, 2 with Prof. Aggelis).
- ***M.Sc. in Biostatistics, Medical School of Athens:***
 1. Bayesian Statistics [2002–2004, 3 times, jointly with P.Tsiamyrtzis (2004, 2005) and P.Dellaportas (2002)].

- *M.Sc. in Professional and Environmental Health, Management and Economic Evaluation, Medical School of Athens:*
 1. Biostatistics II (2006–2012, 4 times).

Undergraduate Courses (in Greek) (Updated 27/5/2020)

- *Dep. of Statistics, Athens University of Economics and Business:*
 1. Data Analysis (2006–2015, 4 times; 3 jointly with other tutors),
 2. Biostatistics and Epidemiology (2005–2014; 11 times, 3 jointly with N.Demiris),
 3. Multivariate Techniques (2007–2015, 7 times ; 6 jointly with D.Karlis),
 4. Introduction to Programming Using Splus/R (2005–2019, 16 times; 5 jointly with D.Karlis, 1 with P.Tsiamyrtzis).
- *Dep. of Economics, Athens University of Economics and Business:*
 1. Statistics (2004–2006, 2 times).
- *Dep. of Business Administration, University of the Aegean:*
 1. Mathematics (2001–2004, 3 times)
 2. Operational Research (2001–2004, 3 times jointly with V.Aggelis)
 3. Data Analysis I (2001–2004, 3 times)
 4. Data Analysis II (2001–2004, 3 times)
- *Dep. of Statistics and Actuarial Science, University of the Aegean:*
 1. Mathematics (2001–2004, 3 times)
 2. Probability Theory II (2004–2005, 1 time)
- *Dep. of Business Administration, Open University of Greece:*
 1. ΔEO13: Quantitative Methods (for 6 academic seasons, 2007–2011, 2013–2015).

Supervision

Supervision of Post–doctoral researchers

2017–2021: Stavros Nikolakopoulos,

- 2020–2021: “Bayesian Variable Selection for Network Meta Analysis of Regression Models” (6/2/2020–5/2/2021); funded for one year by AUEB Research Support Program – Action 2
- 2017–2018: “Using Evidence Synthesis Techniques in Bayesian Variable Selection for large n – small p datasets” (1/3/2017–28/2/2018); funded for one year by AUEB Research Support Program – Action 2.

2014–2016: Konstantinos Perrakis, “*Bayesian Variable Selection Using Power–Expected–Posterior Priors*”; funded by

- **2014–15:** European Union (European Social Fund–ESF) and by Greek national funds through the Operational Program Education and Lifelong Learning of the National Strategic Reference Framework (NSRF)–Research Funding Program: Aristeia II/PEP–BVS (1/6/2014–31/5/2015).
- **2015–16:** AUEB Research Support Program – Action 2 2015–2016 (1/11/2016–31/10/2016).

- 2013–2015:** Manasis Vasilios, “*Measuring Competitive Balance in European Football*” (24/3/2013–23/3/2014 and 11/9/2014–10/9/2015); funded for one year by AUEB Research Support Program – Action 2 (11/9/2014–10/9/2015).
- 2012–2013:** Dimitrakopoulou Vasiliki, “*Bayesian Variable Selection in Cluster Analysis Using a Joint Parameter and Model Space Prior*”; funded by AUEB Research Support Program – Action 2 (11/12/2012–10/12/2013).
- 2011–2012:** Petralias Athanasios, “*Bayesian Analysis of Marginal Association Log–Linear Models with Graphical*”; funded by BRFP–3 (IIEBE–3) of Athens University of Economics and Business (9/2011–8/2012).
- 2009–2010:** Lykou Anastasia, “*Bayesian Variable Selection Using LASSO and Related Methods*”; funded by BRFP–1 (IIEBE–1) of Athens University of Economics and Business (3/2009–2/2010).

Supervision of Completed Ph.D. Theses

- 5/11/2019:** Alexios Polymeropoulos; Title: *Objective Variable Selection in Multinomial Logistic Regression: a Conditional Latent Approach*; Department of Statistics and Quantitative Methods, Ph.D program in Statistics and Mathematics for Finance – XXXI Cycle; University of Milano–Bicocca [2nd active co–supervisor; Main Supervisor: Guido Consonni].
- 26/4/2018:** Christian Staerk; Title: *Adaptive Subspace Methods for High–Dimensional Variable Selection*, Faculty of Mathematics Faculty of Mathematics, Computer Science and Natural Sciences, Aachen University (Germany) [2nd active supervisor, Main supervisor: Prof. Maria Kateri].
- 28/4/2017:** Sotiris Drikos; Title: *Development and implementation of a math model in explaining skills’ importance in men’s volleyball* (Thesis in Greek), School of Physical Education and Sport Science, University of Athens [2nd active supervisor] – Defence date 28/4/2017; Graduation date: 14/7/2018.
- 27/10/2016:** Charitidou Efstratia; Title: *Family Transformation Selection in Bayesian Statistical Models: Methodology and Applications*, School of Mathematical and Physical Sciences, National Technical University of Athens [2nd active supervisor; co–supervised with Dimitris Fouskakis].
- 19/12/2013:** Vitoratou Vasiliki; Title: *Efficient Bayesian marginal likelihood estimation in generalised linear latent trait models*, Department of Statistics, Athens University of Economics and Business [main supervisor, co–supervised with I.Moustaki, external examiners: D.Dunson, Duke, USA and N. Friel, USD, Ireland]; 2005–2013.
- 20/2/2012 :** Manasis Vasilios; Title: *Quantification of Competitive Balance in European Team Sports; Implementation and Empirical Investigation in European Football*, Department of Sports Management, University of Peloponnese [2nd active supervisor, external examiners: S. Kesenne, University of Antwerp and Catholic University of Leuven, Belgium and J. Reade, , UK]; 2007–2012.

Supervision of Ph.D. Theses (in progress)

- 2017: Kostis Matzorakis, Department of Statistics, Athens University of Economics and Business.

2016: Ilias Leriou, Department of Statistics, Athens University of Economics and Business.

2013: Mantzouni Katerina, Department of Statistics, Athens University of Economics and Business.

Supervision of Completed M.Sc. Theses (updated: 16/1/2018)

M.Sc. in Statistics, Athens University of Economics and Business: Full-time: 7 (in English); Part-Time: 11 (in Greek).

M.Sc. in Business Analytics, Athens University of Economics and Business: 3 (in English).

M.Sc. in Biostatistics, Medical School of Athens: 8 (in Greek).

M.Sc. in Business Administration, University of the Aegean: 6 (in Greek).

Total of 35 M.Sc. theses (10 in English); detailed list is available at <http://stat-athens.aueb.gr/~jbn/courses/diplomatikes/home.html>.

Supervision of Completed B.Sc. Theses: Co-supervisor in the thesis of Giagos, Vasilios (2005). (B.Sc. in Statistics and Actuarial Science. Department of Statistics and Actuarial Science, University of the Aegean).