

CURRICULUM VITAE

1. PERSONAL DATA

SURNAME: BATSIDIS
FIRST NAME: APOSTOLOS
FATHER'S NAME: DIMITRIOS
POSITION: ASSISTANT PROFESSOR
DEPARTMENT OF MATHEMATICS
UNIVERSITY IOANNINA
DATE OF BIRTH: 27-10-1977
PLACE BIRTH: THESSALONIKI
CITIZENSHIP: GREEK
MARITAL STATUS: MARRIED- 2 DAUGHTERS
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2. EDUCATION

SEPT. 1995- JUNE 1999: Undergraduate studies at the Department of Mathematics University of Ioannina, Greece (Grade: 7.22/10). Specialization in Statistics and Operational Research.

Note: Scholar of the State Scholarship Foundation (IKY) in Ak. Years 1995-1998.

Oct. 1999- Oct.. 2001: Postgraduate Diploma in Statistics and Operational Research. Department of Mathematics, Faculty of Sciences, University of Ioannina.

Title of Master Thesis: Testing univariate and multivariate normality: A review and an application. (in Greek, Ο έλεγχος της μονοδιάστατης και πολυδιάστατης κανονικότητας: Μία ανασκόπηση και μία εφαρμογή). Supervisor: K. Zografos

Dec. 2001- Dec. 2005: Ph.D. in the Section of Probability, Statistics and Operational Research of the Department of Mathematics of the University of Ioannina.

Title of Ph D Thesis: Aspects of multivariate analysis with Elliptical Distributions and Monotone Missing Data (in Greek, Θέματα Πολυδιάστατης Ανάλυσης με Ελλειπτικές Κατανομές και Μονότονα Ελλιπή Δεδομένα).

Three-member Advisory Committee.: K. Zografos, S. Loukas, M. Koutras. Supervisor: K. Zografos

Note: This research was co-funded by the European Union in the framework of the program "Heraklitos" of the "Operational Program for Education and Initial Vocational Training" of the 3rd Community Support Framework of the Hellenic Ministry of Education, funded by 25% from national sources and by 75% from the European Social Fund (ESF). (Main Researcher: K. Zografos).

Languages

English (Cambridge 2005, State Certificate of Foreign Language Proficiency, Level of Knowledge Good, 2005).

3. PROFESSIONAL POSITIONS

05 June 2018-today: Assistant Professor (Permanent), Department of Mathematics, University of Ioannina, GREECE.

03 Sep. 2014-4 June 2018: Assistant Professor (Temporary), Department of Mathematics, University of Ioannina, GREECE.

18 April 2008-02 Sept. 2014: Lecturer, Department of Mathematics, University of Ioannina, GREECE.

November 2007-April 2008: Lecturer (Temporary), Department of Mathematics, University of Ioannina, GREECE.

May 2007- August 2007: Lecturer, Department of Pre-School Education, University of Crete, Greece.

March 2007-July 2007: General Department of Sciences, Technological Educational Institute of Larissa, Greece: teaching as research adjunct.

Sep. 2004- July 2005: Technological Educational Institute of Epirus, Greece: teaching as laboratorial adjunct.

4. RESEARCH INTERESTS

- Multivariate Analysis
- Monotone Missing Data.
- Statistical Distributions.
- Goodness-of-fit tests
- Statistical Inference
- Model selection

5. TEACHING & ACADEMIC WORK**5.1 TEACHING**

I have taught the following undergraduate lessons:

COURSE	SEMESTER	Academic Years
Decision and Bayes Theory Dep. Mathematics, University of Ioannina	7 th	2007-2010, 2012-today
Stochastic Processes Dep. Mathematics, University of Ioannina	5 th	2011-today
Biostatistics Department of Biological Applications & Technology, University of Ioannina	2 nd	2011-2016
Statistics II	8 th	2014-2015

Department of Philosophy, Education and Psychology		
Statistical Analysis Dep. Mathematics, University of Ioannina	8 ^o	2007-2009, 2010-today
Probability Theory and Statistics Dep. Mathematics, University of Ioannina	5 ^o	2008-2011
Introduction to Statistics Department of Primary Education, University of Ioannina	5 th	2007-2008
Non Parametric Statistics Dep. Mathematics, University of Ioannina	8 th	2008-2010
Statistical Inference Dep. Mathematics, University of Ioannina.	6 th	2009-2012, 2017-2018
Regression and Analysis of Variance Dep. Mathematics, University of Ioannina	7 th	2018-2019
Financial Mathematics Technological Educational Institute of Epirus, Greece	Winter and Spring	2003-2004
Business Statistics Technological Educational Institute of Epirus, Greece	Winter and Spring	2003-2004
Statistics Technological Educational Institute of Epirus, Greece	Winter and Spring	2003-2004
Statistics in Education Department of Pre-School Education, University of Crete, Greece.	2 nd	From 1-5-2007 to 31-8-2007
Mathematics I	Spring	2006-2007

POSTGRADUATE STUDIES

I have taught the following postgraduate lessons:

COURSE	SEMESTER	Academic Years
Mathematical Statistics	1 st	2009-σήμερα
Statistical Analysis and Statistical Packages	2 nd	2007-2010, 2012-σήμερα
Special Topics in Statistics (1/4 των διαλέξεων. Διδάχθηκε από όλα τα μέλη Δ.Ε.Π. του Τομέα Πιθανοτήτων-Στατιστικής και Επιχειρησιακής Έρευνας)	2 nd	2009-2010, 2012-2013
Biostatistics and Statistical Packages Postgraduate Programme «Research Methodology in Biomedicine, Biostatistics and Clinical Bioinformatics at University of Thessaly» (8/33 of the course)	1 st	2015-2019

<p style="text-align: center;">Advanced Statistical Models Postgraduate Programme «Research Methodology in Biomedicine, Biostatistics and Clinical Bioinformatics at University of Thessaly» (1/2 of the course)</p>	2 nd	2015-2019
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5.2 Class notes

In the context of teaching the undergraduate courses of NON-PARAMETRIC STATISTICS and STATISTICAL DATA ANALYSIS of the curriculum of the Department of Mathematics of the University of Ioannina, I have written the following class notes (in brackets the date of their last revision)

1. A.Batsidis (2014). Non-Parametric Statistics (Class notes, in Greek).
2. A. Batsidis (2014). Statistical Data Analysis with SPSS (Class notes, in Greek).

5.3 Supervision of Master Thesis

I have supervised 4 M.Sc Thesis (in Greek).

1. Veroniki, A. (2010). Elliptically contoured distributions: Estimation-Hypothesis Tests. A review and an application.
2. Koutsoupia, K. (2013). Univariate truncated Cauchy distributions.
3. Bardakas, K. (2013). Testing separate families. A critical review.
4. Tzimopoulos, A. (2014). Testing univariate symmetry. A critical review.

5.4 Participation in Examination-Advisory Committees

I have participated as a member of the examination committee of 13 MSc Theses, which have been submitted in the Department of Mathematics of the University of Ioannina.

I was a member of the seven-member committee for the evaluation of two Ph.D. theses (Dep. Of Mathematics, University of Ioannina 2013 and Department of Statistics and Insurance Science, University of Piraeus, 2019).

Finally, I was a member of the three-member Advisory Committee of the candidate Dr. Avogiaris Georgios, who obtained recently his Ph D from the Department of Mathematics of the University of Ioannina.

5.5 Member of Editorial Board-Reviewer responsibilities

Associate Editor:

Journal of Statistical Theory and Applications ISSN: 1538-7887, Atlantis Press.
 (Nov 2016-today: 7 papers)

Refereed for: Advances and Applications in Statistics (1), Aligarh Journal of Statistics (1), American Journal of Mathematical and Management Sciences (1), Applied Mathematical Modelling (1), Applied Stochastic Models in Business and Industry (1), Chemistry Education Research and Practice (1), Com. Statistics Theory and Methods (4), Com Statistics Simulation and Computation (6), Entropy (3), Earth Science Informatics (1), ESAIM: Probability and Statistics (1), IEEE Transactions on Reliability (1), International Journal of Computer

Mathematics (2), Journal of Applied Statistics (2), Journal of Classification (1), Journal of Computational and Applied Mathematics (1), Journal of Data Science (1), Journal of Modern Applied Statistical Methods (1), Journal of Multivariate Analysis (7), Journal of Statistical Computation and Simulation (4), Journal of Statistical Distributions and Applications (1), Journal of Statistical Theory and Practice (5), Journal of the Korean Statistical Society (1), Mathematical Methods of Statistics (2), Mathematical Methods in Applied Sciences (1), Mathematics and Computers in Simulation (1), Metrika (1), Pakistan Journal of Statistics and Operation Research (3), Pattern Recognition Letters (5), Physica A (1), Probability and Mathematical Statistics (1), Statistical Methodology (3), Statistical Papers (4), Statistics (1), Statistics and Probability Letters (5), Stats(1), Stochastics and Quality Control (1), Stochastic Models (1), Transactions on Reliability (2).

Reviewer for Conferences

I was a reviewer for 6 papers for conference proceedings of the Greek Statistical Institute. I was a reviewer for 1 paper of the 21st European Young Statisticians Meeting to be held under the Bernoulli Society by the Department of Mathematics of the Belgrade University (Belgrade 29 July - 2 August).

Reviewer of research proposals

I was a reviewer for a research proposal submitted to the Research Councils UK (RCUK)

Reviewer

I am reviewer for the Mathematical Reviews/MathSciNet (June 2008-today ID: 062110, 20 reviews) and reviewer for the ZentralblattMathReviewer Database (16 reviews).

Critical reader

I was critical reader of the following two monographs (in Greek):

1. Aspects of Statistical Inference by Stavros Kourouklis et al.
2. Sampling and Applications by Nikolaos Farmakis

5.6 Other activities

External program partner for a PhD

I am an external contributor (no salary) of the program to obtain a doctorate titled "Matematicas" by the Department of Statistics of the University of Seville, Spain

Member of Unions

I am member of the Greek Statistical Institute.

Supervision of student internships

I have supervised more than 100 student internships

Member of the Organizing Committee of Conferences

2nd Congress of Young Researchers in Mathematical Science Πανεπιστημίου Ιωαννίνων (Ioannina, Greece, June 2018)

32nd Panhellenic Statistics Conference which will be held in Ioannina (30 May-1 June 2019).

21th European Young Statisticians Meeting (will be held in Belgrade 29 July- 2 August 2019).

Member of the Scientific Committee of Conferences

32nd Panhellenic Statistics Conference (Lamia, Greece, 2018).

31st Panhellenic Statistics Conference (Ioannina, 30 May -1 June 2019).

21th European Young Statisticians Meeting (Belgrade 29 July- 2 August 2019).

6. Research work

6.1 Dissertations

1. Batsidis A. (2001). Testing univariate and multivariate normality: A review and an application. (in Greek, *Ο έλεγχος της μονοδιάστατης και πολυδιάστατης κανονικότητας: Μία ανασκόπηση και μία εφαρμογή*). M. Sc. Thesis, Department of Mathematics, University of Ioannina, Greece.
2. Batsidis A. (2005). Aspects of multivariate analysis with Elliptical Distributions and Monotone Missing Data (in Greek, *Θέματα Πολυδιάστατης Ανάλυσης με Ελλειπτικές Κατανομές και Μονότονα Ελλιπή Δεδομένα*). Ph. D. Thesis, Department of Mathematics, University of Ioannina, Greece.

Note both of them under the supervision of K. Zografos

6.2 Articles in refereed international journal

1. Batsidis, A. and Zografos, K. (2006). Statistical inference for location and scale of elliptically contoured models with monotone missing data. *Journal of Statistical Planning and Inference*, **136**, 2606-2629. (Citations: 5)
2. Batsidis, A. and Zografos, K. (2006). Discrimination of observations into one of two elliptic populations based on monotone training samples. *Metrika*, **64**, 221-241. (Citations: 9)
3. Batsidis, A., Zografos, K. and Loukas, S. (2006). Errors in discrimination with monotone missing data from multivariate normal populations. *Computational Statistics and Data Analysis*, **50**, 2600-2634. (Citations: 10)
4. Batsidis, A. and Zografos, K. (2008). Multivariate linear regression model with elliptically contoured distributed errors and monotone missing dependent variables. *Commun. in Statistics-Theory and Methods*, **37**, 349-372. (Citations: 3)
5. Batsidis, A. (2010). Robustness of the likelihood ratio test for detection and estimation of a mean change point in a sequence of elliptically contoured observations. *Statistics*, **44**, 17-24. (Citations: 8)
6. Batsidis, A. and Zografos, K. (2011). Errors of misclassification in discrimination of dimensional coherent elliptic random field observations. *Statistica Neerlandica*, **65**, 446-461. (Citations: 9)
7. Batsidis, A. (2012). Errors of misclassification in discrimination with data from truncated t-populations. *Statistical Papers*, **53**, 281-298. (Citations: 2)

8. Batsidis, A. and Zografos, K. (2013). A necessary test of fit of specific elliptical distributions based on an estimator of Song's measure. *Journal of Multivariate Analysis*, **113**, 91-105. (Citations: 11)
9. Batsidis, A., Martín, N., Pardo, L. and Zografos, K. (2013). A necessary power divergence type family tests of multivariate normality. *Commun. in Statistics-Simulation and Computation*, **42**, 2253-2271. (Citations: 6)
10. Batsidis, A., Horváth, L., Martín, N., Pardo, L., Zografos, K. (2013). Change-point detection in multinomial data using phi-divergence test statistics. *Journal of Multivariate Analysis*, **118**, 53-66. (Citations: 7)
11. Batsidis, A., Martín, N., Pardo, L. and Zografos, K. (2014). A necessary power divergence type family tests for testing elliptical symmetry. *Journal of Statistical Computation and Simulations*, **84**, 57-83. (Citations: 6)
12. Batsidis, A. and Lemonte, A.J. (2015). On Harris extended family of distributions. *Statistics*, **49**, 1400-1421. (Citations: 9)
13. Batsidis, A., Economou, P. and Tzavelas, G. (2015). Tests of fit for a lognormal distribution. *Journal of Statistical Computation and Simulations*, **86**, 215-235. (Citations: 3)
14. Jimenez-Gamero, M.D., Batsidis, A., Alba-Fernandez, M.V. (2016). Fourier methods for model selection. *Annals of the Institute of Statistical Mathematics*, **68**, 105-133 (Citations: 5)
15. Batsidis, A., Martín, N., Pardo, L. and Zografos, K. (2016). Φ -divergence based procedure for parametric change-point problems. *Methodology and Computing in Applied Probability*, **18**, 21-35. (Citations: 2)
16. Alba-Fernandez, M.V, Batsidis, A., Jimenez-Gamero, MD, Jodra, P. (2017). A class of tests for the two-sample problem for count data. *Journal of Computational and Applied Mathematics*, **318**, 220-229. (Citations: 4)
17. Jimenez-Gamero, M.D and Batsidis, A. (2017). Minimum distance estimators for count data based on the probability generating function with applications. *Metrika*, **80**, 503-545. (Citations: 1)
18. Batsidis, A., Jimenez-Gamero, M.D. and Lemonte, A. (2019). On goodness-of-fit tests for the Bell distribution. *Metrika* Available on line. <https://doi.org/10.1007/s00184-019-00733-6>.
19. Economou, P, Batsidis, A, Tzavelas, G., Alexopoulos, P. and Alzheimer's Disease Neuroimaging Initiative (2019). Berkson's paradox and weighted distributions: An application to Alzheimer's disease. *Biometrical Journal*, just accepted.

6.3 Articles in edited refereed volumes

1. Batsidis, A. and Zografos, K. (2004) Measures of multivariate association and dependence, In *Soft methodology and Random Information Systems*. Collections of papers presented at the Second International Conference on Soft Methods in Probability and Statistics, SMPS' 2004, Oviedo, Spain, 2-4 September 2004 (Series: Advances in

Soft Computing, eds. López-Díaz, M., Gil, M.A., Grzegorzewski, P., Hryniewicz, O., Lawry, J.), Springer-Verlag, p. 371-378.

2. Zografos K. and Batsidis A. (2008). An overview of procedures for classification and testing hypotheses for elliptic populations and monotone missing data. The Pyrenees International Workshop on Statistics, Probability and Operations Research, SPO 2007, p. 83-93.
3. Alba-Fernandez, M. Virtudes, Batsidis, Apostolos, Jimenez-Gamero, M. Dolores and Jodra, Pedro (2016). A class of tests for the two-sample problem for count data based on the empirical probability generating function. Proceedings of the 16th International Conference on Computational and Mathematical Methods in Science and Engineering, CMMSE 2016, Costa Ballena, Cadiz, Spain, p. 29-34.

6.4 Abstracts in books of abstracts of international conferences

1. Batsidis, A. and Zografos, K. (2004). *Monotone missing data and elliptical distributions*. 6th World Congress of the Bernoulli Society and the 67th Annual Meeting of the Institute of Mathematical Statistics, Barcelona 2004, p. 68.
2. Batsidis, A. and Zografos, K. (2004). *Classification rules for elliptical distributions with monotone missing data*. 6th World Congress of the Bernoulli Society and the 67th Annual Meeting of the Institute of Mathematical Statistics, Barcelona, p. 206.
3. Batsidis, A. and Zografos, K. (2005). *Inferential and Classification Procedures for elliptic populations with Monotone missing data*. 25th European Meeting of Statisticians, Oslo, Norway, 22-28 July 2005, p. 190.
4. Batsidis, A. and Zografos, K. (2007). *Aspects of classification analysis in the presence of monotone missing training samples from elliptical populations*. XIIth International Conference on Applied Stochastic Models and Data Analysis (ASMDA 2007) Chania, Crete, Greece, May 29, 30, 31 and June 1, 2007, p.18.
5. Batsidis, A. and Zografos, K. (2010). *Multivariate linear regression model with elliptically contoured distributed errors and monotone missing dependent variables*. 28th European Meeting of Statisticians, Piraeus, Greece, p.22.
6. Batsidis, A. and Zografos (2010). *Errors in discrimination of dimensional coherent elliptic random field observations*. Prague Stochastics 2010, Prague August 30-September 3, p.61.
7. Batsidis, A. and Zografos (2011). *A test for detecting departures from a specific elliptic distribution*. 14th Applied Stochastic Models and Data Analysis, ASMDA 2011, Rome, Italy, June 7-10, 2011, p. 137.
8. Batsidis, A. (2012). *Testing departures from elliptical symmetry and specific elliptic distributions*. 5th International Conference of the ERCIM WG on Computing & Statistics. 1-3 December 2012, Conference Centre, Oviedo, Spain, p. 83.
Note: Invited Session Speaker Talk in the Organized session ES34 Model Validation.
9. Jimenez-Gamero, M D., Batsidis, A. and Alba-Fernandez, M. V. (2013). *Fourier methods for model selection*. 6th International Conference of the ERCIM WG on Computing & Statistics. 14-16 December 2013, UK, London, p. 86.

10. Economou, P., Batsidis, A. and Tzavelas, G. (2014). Goodness of fit tests for the lognormal distribution. 21st International Conference on Computational Statistics, Compstat 2014, Geneva, Switzerland, August 19-22, 2014, p. 30-31.
11. Batsidis, A., Economou, P. and Tzavelas, G. (2014). Tests of fit for the lognormal distribution. CFE-ERCIM 2014, 6-8 December 2014, Pisa, Italy, p.181.
12. Jimenez-Gamero, M D., Batsidis, A. and Alba-Fernandez, M. V. (2015). Tests for model selection and separate families of distributions based on the empirical characteristic function. The 16th Conference of the Applied Stochastic Models and Data Analysis International Society, 30 June - 4 July 2015, University of Piraeus, Greece, p.73-74.
13. Batsidis, A. Jimenez-Gamero, M D. and Novoa-Munoz, F. (2015). Minimum distance estimators for count data based on the probability generating function with applications. 8th International Conference of the ERCIM WG on Computational and Methodological Statistics 9th International Conference on Computational and Financial Econometrics Senate House, University of London, UK, 12-14 December 2015, p.65.
Note: Invited Session Speaker Talk in the Organized session ES34 MODEL ASESMENT
14. Alba-Fernandez, M. V., Jimenez-Gamero, M D. and Batsidis, A. (2016). Testing for the generalized Poisson-inverse Gaussian distribution. 22nd International Conference on Computational Statistics Auditorium/Congress Palace Principe Felipe, Oviedo, Spain 23-26 August 2016, p. 18.
15. Batsidis A., Jimenez-Gamero, M D. and Alba-Fernandez, M. V. (2016). Testing for the generalized Poisson-inverse Gaussian distribution. 9th International Conference of the ERCIM WG on Computational and Methodological Statistics 10th International Conference on Computational and Financial Econometrics Higher Technical School of Engineering, University of Seville, Spain 9-11 December 2016, p.52
Note: Invited Session Speaker Talk in the Organized session ES34 Model specification tests.
16. Economou P., Tzavelas, G. and Batsidis A. (2017). Modelling a dynamic size biased sampling. The 17th Conference of the Applied Stochastic Models and Data Analysis International Society. London, 6-9 June 2017, p. 80.
17. Batsidis, A. and Jimenez-Gamero, M. D. (2017). Model selection tests for count models based on the empirical probability generating function. 31st European Meeting of Statisticians, Helsinki, 24-28 July 2017, p.32.
18. Tzavelas, G. , Batsidis, A. and Economou P. (2018). Statistical Inference based on r-size biased sample with application to statistical process monitoring. 5th Stochastic Modeling Techniques and Data Analysis International, Chania, Greece, 12-15 June 2018, p. 112.
19. A. Batsidis, P. Economou, , G. Tzavelas and P. Alexopoulos (2019). Berkson's paradox and weighted distributions: an application to Alzheimer's disease 32nd European Meeting of Statisticians, Palermo, July 22-25, p. 61.
20. Economou, P., Batsidis, A. Tzavelas, G and Alexopoulos, P. (2019). Berkson's Paradox, What Next? Extracting Information for the Entire Population: An Application to Alzheimer's Disease. 10th International Workshop on Simulation and Statistics. September 2 - 6, 2019 Salzburg, Austria, p. 36

6.5 Abstracts in books of abstracts of Greek conferences

I am an author/co-author of 12 such abstracts. .

6.6 Participation in conferences-seminar- invited talks etc.**I. Invited talks/Academic visits**

Department of Statistics, Universidad Carlos III de Madrid, Spain. *Seminar talk: Statistical Inference and Classification Procedures in the Elliptic Family of Multivariate Distributions with Monotone Missing Data.*

Southampton Statistical Sciences Research Institute (S3RI). University of Southampton. Seminar Talk: *Model selection tests for count models based on the empirical probability generating function.*

Department of Civil Engineering, University of Patras, Greece. Seminar talk: *Methods of model selection and validity of a predictive algorithm*

II. Participation in international conferences**i) Invited speaker in Organized Sessions.**

1. *Testing departures from elliptical symmetry and specific elliptic distributions*, στο 5th International Conference of the ERCIM WG on Computing & Statistics. 1-3 December 2012. Conference Centre, Oviedo, Spain.

2. *Minimum distance estimators for count data based on the probability generating function with applications*. 8th International Conference of the ERCIM WG on Computational and Methodological Statistics 9th International Conference on Computational and Financial Econometrics Senate House, University of London, UK, 12-14 December 2015.

3. *Testing for the generalized Poisson-inverse Gaussian distribution*. 9th International Conference of the ERCIM WG on Computational and Methodological Statistics 10th International Conference on Computational and Financial Econometrics Higher Technical School of Engineering, University of Seville, Spain 9-11 December 2016.

ii) Contributed talk or Poster

1. 6th World Congress of the Bernoulli Society and the 67th Annual Meeting of the Institute of Mathematical Statistics, Barcelona, 25-31 July 2004.
2. XIIth International Conference on Applied Stochastic Models and Data Analysis (ASMDA 2007) Chania, Crete, Greece, May 29, 30, 31 and June 1, 2007.
3. 28th European Meeting of Statisticians, Piraeus, 17-22 August 2010, Greece.
4. Prague Stochastics 2010, Prague, August 30-September 3.
5. 14th Conference of the Applied Stochastic Models and Data Analysis International Society, Rome, Italy, 7-10 June 2011
6. CFE-ERCIM 2014, 6-8 December 2014, Pisa, Italy.

7. The 16th Conference of the Applied Stochastic Models and Data Analysis International Society, 30 June - 4 July 2015, University of Piraeus, Greece.
8. 31st European Meeting of Statisticians, Helsinki, 24-28 July 2017.

III. Organizer of Sessions in international conferences

1. Organizer of the session EO054: Multivariate analysis in the 8th International Conference of the ERCIM WG on Computational and Methodological Statistics and 9th International Conference on Computational and Financial Econometrics.
2. Co-organizer of the session Statistical design, modelling and inference in the 9th International Conference of the ERCIM WG on Computational and Methodological Statistics, 10th International Conference on Computational and Financial Econometrics, Higher Technical School of Engineering, University of Seville, Spain, 9-11 December 2016.

IV. Participation in Greek conferences

1. 16th Pan-Hellenic Congress of Statistics, Greek Statistical Institute, Kavala, 30 April-3 May 2003.
2. 17th Pan-Hellenic Congress of Statistics, Greek Statistical Institute, Lefkada, 14-18 April 2004.
3. 18 Pan-Hellenic Congress of Statistics, Greek Statistical Institute, Rhodes, 4-7 May 2005.
4. 23 Pan-Hellenic Congress of Statistics, Greek Statistical Institute, Veroia, Greece, 7-11 April 2010.
5. 24 Pan-Hellenic Congress of Statistics, Greek Statistical Institute, Patra, Greece, 27 April – 1 May 2011.
6. 25 Pan-Hellenic Congress of Statistics, Greek Statistical Institute, Volos, Greece, 18-22 April 2012.
7. 26 Pan-Hellenic Congress of Statistics, Greek Statistical Institute, Greece, 8-12 May 2013.
8. 28 Pan-Hellenic Congress of Statistics, Greek Statistical Institute, Athens, Greece, 15-18 April 2015.
9. 29 Pan-Hellenic Congress of Statistics, Greek Statistical Institute, Naoussa, Greece, 4-7 May 2016.
10. 31 Pan-Hellenic Congress of Statistics, Greek Statistical Institute, Lamia, Greece, 4-6 May 2018.
11. 32 Pan-Hellenic Congress of Statistics, Greek Statistical Institute, Ioannina, Greece, 30 May to 1 June 2019.

6.6 Technical Reports- Archiv papers

Batsidis, A. and Zografos, K. (2005). Multivariate linear regression model with elliptically contoured distributed errors and monotone missing dependent variables. Technical Report, Department of Mathematics, University of Ioannina, Number 14, Volume June 2005. Note: The paper b 4 is an updated version of this technical report.

Zografos, K. and Batsidis, A. (2010). A Balakrishnan type Skew Unified Normal Distribution. Technical Report, Department of Mathematics, University of Ioannina, Greece, June 2010, Number 21, p.45-65.

Batsidis, A., Martin, N., Pardo, L. and Zografos, K. (2011). Change point for multinomial data using phi-divergence test statistics. Working paper 11-01, Statistics and Econometrics Series 01 January 2011 Universidad Carlos III De Madrid. Note: An update version of this technical report is the paper b.10

Archiv papers

The following two archiv papers are preliminaries results of the paper b.15.

Batsidis, A., Martin, N., Pardo, L. and Zografos, K. (2011). A procedure for the change point problem in parametric models based on phi-divergence test-statistics.

Batsidis, A., Martin, N., Pardo, L. and Zografos, K. (2011). Change point analysis of an exponential model based on Phi-divergence test-statistics: simulated critical points case.

7 Citations

I. Ph Thesis, MSc Thesis, Monographs

1. Young, Phil D. (2009). *Topics in dimension reduction and missing data in statistical discrimination*. Ph D Thesis. Graduate Faculty of Baylor University.

Citation to 6.2.3

2. Zollanvari, A. (2010). Analytic study of performance of error estimators for linear discriminant analysis with applications in genomics. Dissertation for the degree of Doctor of Philosophy. Texas A&M University.

Citation to 6.2.2

3. Tercero-Gómez, Victor Gustavo (2011). *Nonparametric change-point for observations following a random walk with drift*. Ph D Thesis in Systems and Engineering Management. Graduate Faculty of Texas Tech University.

Citation to 6.2.5

4. Pérez Blanco, Ángel Salvador (2013) Detección del punto de cambio mediante el uso secuencial de cartas de control y estimadores de máxima verosimilitud. PhD thesis, Universidad Autónoma de Nuevo León.

Citation to 6.2.5

5. Unakafov, A. M. (2015). Ordinal-patterns-based segmentation and discrimination of time series with applications to EEG data (Doctoral dissertation, University of Lübeck).
Citation to 6.2.10
6. Benjamin James Pickering (2015). Change point detection for acoustic sensing signals (Doctoral dissertation, Lancaster University).
Citation to 6.2.10
7. Hamedani, G and Maadooliat, M. (2017). Characterizations of recently introduced univariate continuous distributions. Nova Science Pub Inc.
Citation to 6.2.12
8. ABDUL-WAHAB SHUAIBU (2017). A STRUCTURAL EQUATION MODELING APPROACH TO FACTORS INFLUENCING ADOPTION OF URBAN SELF-SUPPLY WATER SYSTEM IN YOLA, NIGERIA (Doctoral dissertation, Universiti Teknologi Malaysia).
Citation to 6.2.11.
9. Rivas Martínez, G.I. (2017). Aproximación a la distribución de ciertos estadísticos en contrastes sobre modelos de regresión no paramétrica. (Tesis Doctoral Inédita). Universidad de Sevilla, Sevilla.
Citation to 6.2.16
10. Taylor, Matthew (2018) Investigation of Novel Nanoparticles for Biomedical Applications. MPhil thesis, University of York.
Citation to 6.2.13
11. Lina DREIŽIENĖ (2019). Classification risk of Gaussian spatial data using linear discriminant functions (Doctoral dissertation, VILNIUS University).
Citation to 6.2.2 and 6.2.6

II. Journal papers

1. Richards, Donald and Yamada, Tomoya (2010). The Stein Phenomenon for Monotone Incomplete Multivariate Normal Data. *Journal of Multivariate Analysis*, 101, 657-678.
Citation to 6.2.3 and 6.2.4.
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8 Administrative duties

I am or I was member of many committees at the Department of Mathematics University of Ioannina, Greece. I will mention in the sequel the most important ones: Student Affairs Committee (Academic Year: 2009-2010 until today), the University of Ioannina to submit an integrated draft proposal for the support of students with disabilities (March 2016 to date)

9 PARTICIPATION IN RESEARCH PROJECTS

Participation in the following research projects

1. **Mar. 2004- Dec. 2004 and Jan 2006-Mar 2006:** “Solving Toeplitz Systems and Applications in Stochastic Models”. Supervisor of research project Professor Dimitrios Noutsos, Department of Mathematics, University of Ioannina (Program “Pythagoras”).
2. *Topics of Multivariate Analysis with elliptic distributions and monotone missing data.* This research was co-funded by the European Union in the framework of the program “*Heraklitos*” of the “Operational Program for Education and Initial Vocational Training” of the 3rd Community Support Framework of the Hellenic Ministry of Education, funded by 25% from national sources and by 75% from the European Social Fund (ESF). (Main Researcher: K. Zografos).
3. **Feb. 2002- Jan. 2003:** «Measures of multivariate statistical dependence and tests of independence » (Program “Dakaris”). Supervisor of research project Professor K. Zografos, Department of Mathematics, University of Ioannina.