

# CURRICULUM VITAE

**Chrysseis Caroni**

**Professor,  
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**Degrees** B.Sc. in Mathematics, University of Athens, Greece  
M.Sc. in Applied Statistics, University of Southampton, U.K.  
Ph.D., Faculty of Mathematical Studies, University of Southampton, U.K.  
Thesis: “*Multivariate Statistical Outliers*”

## **Teaching experience**

### **Undergraduate courses**

#### **in University of Southampton, UK**

- “Probability and Statistics”, Department of Economics and Econometrics

#### **in NTUA**

- “Regression Analysis” (7<sup>th</sup> semester) and “Models for Reliability and Survival” (9<sup>th</sup> semester) in School of Applied Mathematical and Physical Sciences
- Various courses on probability and statistics in other Engineering Schools, NTUA

### **Postgraduate courses**

#### **in NTUA**

- Statistical Modelling (M.Sc. in “Mathematical Modelling in Modern Technologies and the Economy”)
- Statistical Modelling (M.Sc. in “Data Science and Machine Learning”)
- Reliability and Survival Analysis (M.Sc. in “Applied Mathematical Sciences”/ “Mathematical Modelling in Modern Technologies and the Economy” )
- Generalised Linear Models (M.Sc. in “Applied Mathematical Sciences” )

### **European Programmes**

- *Lectures* on Statistical Modelling for the Statistical Data Mining course of the Masters Programme of the Department of Mathematics at the University of Seville, Spain, January 2018
- *Erasmus* programme: seminars on Regression Models for Reliability and Survival Data at the University of Seville, Spain, November 2016

- *Erasmus* programme: seminars on Lifetime Data Analysis (Reliability and Survival Analysis) at the Aberta University of Lisbon, Portugal, September 2016
- *Erasmus* programme: seminars on Regression Models for Lifetime Data at the Aberta University of Lisbon, Portugal, September 2015
- *Erasmus* programme: course on Reliability and Survival Analysis at the University of Perugia, Italy, November 2014
- *Erasmus* programme: seminars on Regression Models for Lifetime Data at the Universite de Technologie de Compiegne, France, May 2014
- *Socrates* programme: course on Reliability and Survival Analysis at the University of Perugia, Italy, September 2006
- *Tempus* programme: course on Statistical Modelling at the Polytechnic of Tirana, Albania, December 2003

### **Dissertation Supervision**

- **Supervision of doctoral theses**
  - 1) Supervisor of four completed Ph.D. theses in NTUA
    - (i) V. Karioti (2002), currently Assistant Professor in the University of Patras, Patras, Greece
    - (ii) P. Economou (2007), currently Assistant Professor in the University of Patras, Patras, Greece
    - (iii) A. Stavropoulos (2009), Director, Hellenic Statistical Authority, Piraeus, Greece
    - (iv) D. Stogiannis (2012), currently Research Manager at Zenith Optimedia, Athens
  - 2) Advisory committee of 7 completed and 1 ongoing thesis in NTUA
  - 3) Advisory committee of 2 completed and 1 ongoing thesis in other Greek universities
  - 4) Examining committee of 1 thesis in the Universite de Technologie de Compiegne, France
  - 5) External Examiner of 1 PhD thesis at the University of Brighton, UK
  - 6) Examining committee of 11 Ph.D. theses, 6 in NTUA and 5 in other Greek universities
- **Supervision** of 20 completed M.Sc. dissertations in NTUA
- **Supervision** of 1 completed M.Sc. dissertation (jointly with the University of Compiegne) and 2 ongoing (jointly with the University of Seville)
- **Supervision** of 35 completed undergraduate dissertations in NTUA

### **Statistical Computing**

- Programming in FORTRAN, S-Plus, R and STATA.
- Use of statistical packages R, SAS, SPSS, STATA and MINITAB.  
Organising Statistics Lab lectures and applications using these packages.
- Seminars on the use of the SAS system for statistical analysis, National Technical University.
- Author of notes: “*The SAS System*”, “*Probability and Statistics with MINITAB*” and “*Statistical Models with MINITAB*” (in Greek), NTUA

## **Research Interests**

- Reliability and Survival Analysis
- Multivariate Statistical Methods
- Statistical Models: model-building, diagnostics, goodness-of-fit
- Outlier Detection Methods

## **Scientific Activities**

### **Member of**

- American Statistical Association
- International Chinese Statistical Association
- International Statistical Institute Committee on Risk Assessment
- Hellenic Statistical Institute
- Hellenic Mathematical Society

### **Associate Editor of**

- *Lifetime Data Analysis* (since 2004)
- *Communications in Statistics – Theory and Methods* (since 2007)
- *Communications in Statistics – Computation and Simulation* (since 2007)
- *Communications in Statistics – Case Studies and Data Analysis* (since 2015)
- **Referee for at least 36 journals** in the fields of statistics, probability and engineering, including *Journal of the Royal Statistical Society* (Series A and Series B), *Computational Statistics and Data Analysis*, *Journal of Multivariate Analysis*
- **Member of organizing committee** of 10 international conferences
- **Participation in 6 Research Programmes**

“Development of a system of automatic classification of images for supporting dermatological diagnosis”. Programme “Archimedes”, NTUA.

“Long-term statistical analysis of characteristics of waves and the response of ships and floating structures in Greek seas”. General Secretariat of Research and Technology, Greece.

“Land use around metro stations and travel patterns of urban rail transit”. Organisation for Planning and Environmental Protection, Athens.

“Historical, cultural and social factors in sustainable urban development: Kypseli and Aghios Renti, Athens.” School of Architecture, NTUA.

“Update to injecting drug user/problem drug user size estimates for Athens and Greece”. European Centre for Disease Control.

“Analysis of outliers in statistical data. Development of statistical tools for outlying points or outlying series in sets of time series”. NTUA.

## **Publications**

### **1) Books Author of 3 books**

- C. Caroni (2017). *First Hitting Time Regression Models*. Wiley-ISTE  
in Greek
- C. Caroni (2009). *Models for Reliability and Survival Analysis*. Symeon Publications, Athens
- C. Caroni and P. Economou (2017). *Statistical Regression Models with MINITAB and R*. (2<sup>nd</sup> ed.) Symeon Publications, Athens

### **2) 61 papers in international journals and edited books**

F. Pierri and C. Caroni (2017). "Bankruptcy prediction by survival models based on current and lagged values of time-varying financial data", *Communications in Statistics – Case Studies and Data Analysis*, **3**, 62-70.

C. Stefanaki, A. Ieronymaki, T. Matoula, C. Caroni, E. Polythodoraki, S. Chryssou, G. Kontochristopoulos and C. Antoniou (2017). "Six-year retrospective review of hospital data on antimicrobial resistance profile of *Staphylococcus aureus* isolated from skin infections from a single institution in Greece", *Antibiotics* **6(4)**, **39**; doi:10.3390/antibiotics6040039.

C. Caroni and D. Panagoulia (2016). "Non-stationary modelling of extreme temperatures in a mountainous area of Greece", *Revstat*, **14**, 217-228.

S. Gizani, G. Petsi, S. Twetman, C. Caroni, M. Makou, L. Papagianoulis (2016). "Effect of the probiotic bacterium *Lactobacillus reuteri* on white spot lesion development in orthodontic patients", *European Journal of Orthodontics*, **38**, 85-89

P. Economou, S. Malefaki and C. Caroni (2015). "Bayesian threshold regression model with random effects for recurrent events", *Methodology and Computing in Applied Probability*, **17**, 871-898.

S. Malefaki, P. Economou and C. Caroni (2015). "Modelling times between events with a cured fraction using a first hitting time regression model with individual random effects". In C. Kitsos, T. Oliveira, A. Rigas, S. Gulati (eds). "*Theory and Practice of Risk Assessment*", Springer. Heidelberg, pp. 45-65.

C. Stefanaki, X. Fasoulaki, A. Kouris, C. Caroni, K. Papagianaki, P. Mavrogianni, E. Nicolaidou, S. Gregoriou and C. Antoniou (2015). "A randomized trial of efficacy of beta-sitosterol and its glucoside as adjuvant to cryotherapy in the treatment of anogenital warts". *Journal of Dermatological Treatment*, **26**, 139-42.

M. Papadimitriou, S. Kaptanis, E. Polymeropoulos, G. Mitsopoulos, D. Stogiannis, C. Caroni, G. Vaiopoulos, J. Panayiotides, P. Karakitsos (2015). "The nuclear grade plus proliferation grading system for Invasive Ductal Carcinoma of the breast: validation in a tertiary referral hospital cohort". *American Journal of Clinical Pathology*, **144**, 837-843.

S. Flamee, S. Gizani, C. Caroni, L. Papagiannoulis and S. Twetman (2015). "Effect of a chlorhexidine/thymol and a fluoride varnish on caries development in erupting permanent molars: a comparative study", *European Archives of Paediatric Dentistry*, **16**, 449-454.

C. Caroni (2014). "Applicability of the Weibull distribution and its extensions in the biosciences". In T. Oliveira, K.-E. Biebler, A. Oliveira, B. Jager (eds). "*Statistical and Biometrical Challenges*", Shaker-Verlag. Aachen, pp. 53-66.

- C. Caroni and P. Economou (2014). "A hidden competing risk model for censored observations". *Brazilian Journal of Probability and Statistics*, **28**, 333-352.
- D. Panagoulia, P. Economou and C. Caroni (2014). "Stationary and non-stationary GEV modelling of extreme precipitation over a mountainous area under climate change". *Environmetrics* **25**, 29–43).
- D. Stogiannis and C. Caroni (2013). "Issues in fitting inverse Gaussian first hitting time regression models for lifetime data". *Communications in Statistics - Simulation and Computation*, **42**, 1948–1960.
- A. Stavropoulos, M. G. Akritas and C. Caroni (2013). "Likelihood ratio type statistics for repeated measures designs with heterogeneous covariance matrices". *Communications in Statistics – Theory and Methods*, **42**, 1070-1086.
- D. Stogiannis and C. Caroni (2012). "Tests for outliers in the inverse Gaussian distribution, with application to first hitting time models". *Journal of Statistical Computation and Simulation*, **82**, 73-80.
- C. Caroni (2011). "Cox regression for interval censored and current status data". *International Journal of Applied Mathematics and Statistics*, **24**, 125-132.
- D. Stogiannis, C. Caroni, C.E. Anagnostopoulos and I.K. Toumpoulis (2011). "Comparing first hitting time and proportional hazards regression models". *Journal of Applied Statistics*, **38**, 1483-1492.
- C. Caroni (2011). "Testing for undetected withdrawal in a follow-up study of times to events". *Statistical Methodology*, **8**, 213-220.
- M. Konstandinidou, Z. Nivolianitou, E. Kefalogianni and C. Caroni (2011). "In-depth analysis of the causal factors of incidents reported in the Greek petrochemical industry". *Reliability Engineering & System Safety*, **96**, 1448-1455.
- C. Caroni (2011). "Graduation and attrition of engineering students in Greece". *European Journal of Engineering Education*, **36**, 63-74.
- C. Caroni (2010). "Testing for outliers in the power-law growth parameters of sets of recurrent events data". *Statistical Methodology*, **7**, 632-637.
- C. Caroni (2010). " 'Failure limited' data and TTT-based trend tests in multiple repairable systems". *Reliability Engineering & System Safety*. **95**, 704-706.
- C. Caroni, M. Crowder and A. Kimber (2010). "Proportional hazards models with discrete frailty". *Lifetime Data Analysis*, **16**, 374-384.
- C. Caroni (2010). "Testing for the Marshall–Olkin extended form of the Weibull distribution". *Statistical Papers*, **51**, 325-336.
- C. Stefanaki, I. Stefanaki, P. Verra, M. Hadjivassiliou, C. Caroni, G. Bethimoutis, H. Papadogeorgaki, P. Stavropoulos, M. Kostaki, C. Antoniou and A. Katsambas (2010). "Atopic patients with genital warts have a more protracted clinical course and a greater probability of recurrences". *International Journal of STD & AIDS*, **21**, 723 – 727.
- C. Stefanaki, I. Stefanaki, G. Bethimoutis, C. Caroni, P. Mavrogianni, M. Hadjivassiliou, C. Antoniou, P. Stavropoulos, M. Kostaki and A. Katsambas (2010). "Human papillomavirus (HPV) type persistence in males with genital warts". *Journal of Clinical Dermatology*, **1**, 49-52.

- M. G. Akritas, A. Stavropoulos and C. Caroni (2009). "Asymptotic theory of weighted  $F$ -statistics based on ranks". *Journal of Nonparametric Statistics*, **21**, 177-191.
- P. Economou and C. Caroni (2009). "Fitting parametric frailty and mixture models under biased sampling". *Journal of Applied Statistics*, **36**, 53-66.
- C.Stefanaki, M.Hadjivassiliou, I. Katzouranis, G. Bethimoutis, E. Nicolaidou, V. Anyfantakis, E.Lagogianni, C. Caroni, A. Panagiotopoulos, C. Antoniou and A. Katsambas (2009). "Prognostic factors for the response to treatment in males with genital warts" *Journal of European Academy of Dermatology and Venereology*, **23**, 1156-1160.
- C. Caroni (2008). "Tests for censored paired data". *Statistical Methodology*, **5**, 528-534.
- A. Stavropoulos and C. Caroni (2008). "Rank test statistics for unbalanced nested designs". *Statistical Methodology*, **5**, 93-105.
- P. Economou and C. Caroni (2008). "Closure properties and diagnostic plots for the frailty distribution in proportional hazards models". In F. Vonta, M. Nikulin, N.Limnios and C. Huber-Carol (eds). "*Statistical Models and Methods for Biomedical and Technical Systems*", Birkhauser. Boston, pp. 43-53.
- P. Economou and C. Caroni (2008). "Graphical tests for the frailty distribution in the shared frailty model". *Communications in Statistics - Simulation and Computation*, **37**, 978-992.
- H. Papadogeorgakis, C. Caroni, A. Katsambas, J. M. Pimenta, C. Avdeliodi, T. Kotrotsou, E. Frangoulis and J. S. Smith (2008). "Herpes simplex virus seroprevalence among children, adolescents and adults in Greece", *International Journal of STD & AIDS*, **19**, 272-278.
- P. Economou and C. Caroni (2007). "Parametric proportional odds frailty models". *Communications in Statistics - Simulation and Computation*, **36**, 1295-1307.
- C. Caroni and N. Billor (2007). "Robust detection of multiple outliers in grouped multivariate data". *Journal of Applied Statistics*, **34**, 1241-1250.
- M. Hadjivassiliou, C. Stefanaki, E. Nicolaidou, G. Bethimoutis, V. Anyfantakis, C. Caroni and A. Katsambas (2007). "Human papillomavirus assay in genital warts - correlation with symptoms". *International Journal of STD & AIDS*, **18**, 329-334.
- V. Karioti and C. Caroni (2006). "Properties of the GAR(1) model for time series of counts". *Journal of Modern Applied Statistical Methods*, **5**, 140-151.
- H. Papadogeorgaki, C. Caroni, E. Frangouli, A. Fliemetakis, A. Katsambas and M. Hadjivassiliou (2006) "Prevalence of sexually transmitted infections in female sex workers in Athens, Greece – 2005". *European Journal of Dermatology*, **16**, 662-665.
- P. Economou and C. Caroni (2005). "Graphical tests for the assumption of Gamma and inverse Gaussian frailty distributions". *Lifetime Data Analysis*, **11**, 565-582.
- C. Caroni and V. Karioti (2004). "Detecting an innovative outlier in a set of time series". *Computational Statistics and Data Analysis*, **46**, 561-570.
- C. Caroni and A. Kimber (2004). "Detection of frailty in Weibull lifetime data using outlier tests". *Journal of Statistical Computation and Simulation*, **74**, 15-23.
- V. Karioti and C. Caroni (2004). "Simple detection of outlying short time series". *Statistical Papers*, **45**, 267-278.

- C. Caroni (2004). "Diagnostics for Cox's proportional hazards model". In M.S. Nikulin, N. Balakrishnan, M. Mesbah and N. Limnios (eds) "*Parametric and Semiparametric Models with Applications to Reliability, Survival Analysis, and Quality of Life*" in honour of Prof. Catherine Huber, Birkhauser, Boston, pp. 27-38.
- C. Caroni (2002). "Modelling the reliability of ball bearings". *Journal of Statistics Education*, **10**, no. 3, [www.amstat.org/publications/jse/v10n3/datasets.caroni.html](http://www.amstat.org/publications/jse/v10n3/datasets.caroni.html), 1-7.
- C. Caroni and P. Prescott (2002). "Comparison of multivariate outlier detection methods". *The Statistician*, **51**, 395-396.
- C. Caroni (2002). "The correct ball bearings data". *Lifetime Data Analysis*, **8**, 395-399.
- C. Caroni and P. Prescott (2002). "Inapplicability of asymptotic results on the minimal spanning tree in statistical testing". *Journal of Multivariate Analysis*, **83**, 487-492.
- V. Karioti and C. Caroni (2002). "Detecting outlying series in sets of short time series". *Computational Statistics and Data Analysis*, **39**, 351-364.
- C. Caroni (2000). "Outlier detection by robust principal components analysis". *Communications in Statistics - Simulation and Computation*, **29**, 139-151.
- C. Caroni (1998). "Wilks' outlier test in more than one multivariate sample". *Communications in Statistics - Simulation and Computation*, **27**, 79-94.
- S. A. Yannikakis, A. S. Zissis, G. L. Polyzois and C. Caroni (1998). "Color stability of provisional resin restorative materials". *The Journal of Prosthetic Dentistry*, **80**, 533-539.
- C. Caroni (1996). "Letter to the Editors: Detecting multivariate outliers". *Applied Statistics*, **45**, 495.
- C. Caroni (1996). "Advances in testing for multivariate outliers". Volume in honour of Professor I. Liakis, University of Macedonia, 404-421.
- C. Caroni and P. Prescott (1995). "On Rohlfs method for the detection of outliers in multivariate data". *Journal of Multivariate Analysis*, **52**, 295-307.
- C. Caroni and P. Prescott (1995). "Union-intersection testing for outliers in multivariate normal data". *Journal of Statistical Computation and Simulation*, **51**, 185-196.
- C. Caroni and P. Prescott (1992). "Sequential application of Wilks's multivariate outlier test". *Applied Statistics*, **41**, 355-364.
- C. Caroni and P. Prescott (1991). "Multivariate outlier tests with structured covariance matrices". *Journal of Statistical Computation and Simulation*, **38**, 165-179.
- C. Caroni (1987). "Residuals and influence in the multivariate linear model". *The Statistician*, **36**, 365-370.
- C. Caroni, G. Tziafetas and G. Pantoglou (1987). "Atmospheric pollution and mortality in the Greater Athens area". *Zeitschrift fur Meteorologie*, **37**, 169-172.

**3) 32 papers in refereed conference proceedings. The most recent are:**

- C. Caroni (2019). "The wide variety of regression models for lifetime data". *The 18th Conference of the Applied Stochastic Models and Data Analysis International Society*.

F. Pierri and C. Caroni (2019). "Analysing the risk of bankruptcy of firms: survival analysis, competing risks and multistate models". *The 18th Conference of the Applied Stochastic Models and Data Analysis International Society*.

N. Defteraios, I. Ziomas, C. Caroni, Z. Nivolianitou and O. Aneziris (2017). "RBIM in refineries, case study: predicting H<sub>2</sub> corrosion. *Safety and Reliability, Theory and Applications (ESREL)*, CRC Press, June-18-22, 2017, Portoroz, Slovenia

C. Caroni, S. Malefaki and P. Economou (2015). "First hitting time regression for recurrent events with random effects", In M. Guillen, A. Juan, H. Ramalhinho, I. Serra, C. Serrat (eds). "*Current Topics on Risk Analysis: ICRA6 and RISK 2015 Conference*", FundacionMapfre, Madrid, Spain. pp. 195-202.

C. Caroni, D. Panagoulia and P. Economou (2015). "Non-stationary modelling of extremes of precipitation and temperature over mountainous areas under climate change", In M. Guillen, A. Juan, H. Ramalhinho, I. Serra, C. Serrat (eds). "*Current Topics on Risk Analysis: ICRA6 and RISK 2015 Conference*", FundacionMapfre, Madrid, Spain. pp. 203-209.

D. Panagoulia and C. Caroni (2011). "Modelling maximum precipitation in a mountainous area of Greece under global warming", In: *Hydroclimatology: Variability and Change: Proceedings of symposium J-H02*, July 2011, Melbourne, Australia, *IAHS-AISH Publication 344*, pp. 176-181.

C. Caroni and D. Stogiannis (2011). "Testing for outliers in sets of repairable systems", ICRA 4, May 26-29, 2011, Limassol, Cyprus, pp. 69-72.

Z. Nivolianitou, M. Konstandinidou, C. Caroni and I. Kefalogianni (2010). "Analysis of the factors involved in incidents reported in the Greek petrochemical industry", European Safety & Reliability (ESREL), 5-9 September, Rhodes, pp. 1198-1203.

#### **4) 60 presentations at international conferences. The most recent are:**

F. Pierri, C. Caroni (2019). "Quantitative methods for analysing the risk and timing of bankruptcy of Small and Medium Enterprises". 8<sup>th</sup> International Conference on Risk Analysis and Design of Experiments, 23-26 April, Vienna, Austria.

F. Pierri, C. Caroni, E. Stanghellini (2018). "Failure of small business enterprises: A competing risks analysis". CFE 2018 and CMStatistics 2018. 14 – 16 December, 2018, Pisa, Italy.

C. Caroni, F. Pierri and E. Stanghellini (2018). "Issues and solutions in the statistical analysis of the occurrence of bankruptcy of small and medium enterprises", 17th International Conference on Informatics in Economy, May 17-18, 2018, Iasi, Romania.

Z. Nivolianitou, N. Defteraios, I. Ziomas, C. Caroni and O. Aneziris (2017). "RBIM in refineries, case study: predicting H<sub>2</sub> corrosion", ESREL 2017, June 18-22, 2017, Portoroz, Slovenia.  
(+ *Proceedings*)

F. Pierri and C. Caroni (2016). "Bankruptcy prediction by survival models based on current and lagged values of time-varying financial data", ERCIM, December 9-11, 2016, Seville, Spain.

C. Caroni, S. Malefaki and P. Economou (2015). "Analysing recurrent events with a first hitting time regression model", 16<sup>th</sup> Applied Stochastic Models and Data Analysis (ASMDA), June 30-July 4, 2015, Piraeus, Greece.



- S. Flamee, S. Gizani, C. Caroni, L. Papagiannoulis and S. Twetman (2015). “Caries preventive effect of a chlorhexidine/thymol varnish and a fluoride one in erupting permanent molars: a comparative study”, 25<sup>th</sup> Congress IAPD, July 1-4, 2015, Glasgow, UK.
- C. Caroni (2015). “Patient survival analysed by first hitting time and Cox’s prortional hazards models”, 1<sup>st</sup> International Conference on Research in Health Care, June 5-7, 2015, Athens, Greece.
- C. Caroni, S. Malefaki and P. Economou (2015). “First hitting time regression for recurrent events with random effects”, International Conference on Risk Analysis (ICRA 6/RISK 2015), May 26-29, 2015, Barcelona, Spain. (+ *Proceedings*)
- C. Caroni, D. Panagoulia and P. Economou (2015). “Non-stationary modelling of extremes of precipitation and temperature over mountainous areas under climate change”, International Conference on Risk Analysis (ICRA 6/RISK 2015), May 26-29, 2015, Barcelona, Spain. (+ *Proceedings*)
- M. Papadimitriou, S. Kaptanis, E. Polymeropoulos, G. Mitsopoulos, D. Stogiannis, C. Caroni, G. Vaiopoulos, J.G. Panayiotides and P. Karakitsos (2014). “The nuclear grade plus proliferation grading system for Invasive Ductal Carcinoma of the breast: validation in a tertiary referral hospital cohort in a white Caucasian population”, 26<sup>th</sup> European Congress of Pathology, August 30-September 3, 2014, ExCeL, London, UK.
- S. Malefaki, P. Economou and C. Caroni (2014). “A generalized threshold regression model for time-to-event data”, 11th International Vilnius Conference on Probability Theory and Mathematical Statistics, June 30-July 4, 2014, Vilnius, Lithuania.
- S. Gizani, G. Petsi, S. Twetman, C. Caroni and L. Papagiannoulis (2014). “Effect of probiotic bacterium *Lactobacillus reuteri* on oral health in orthodontic patients”, 12th Congress of the EAPD, June 5-8, 2014, Sopot, Poland.
- S. Gizani, S. Flamee, C. Caroni, S. Twetman and L. Papagiannoulis (2013). “The effect of 1% chlorhexidine varnish on the prevention of caries in erupting permanent molars”, 60th Congress of the European Organisation for Caries Research (ORCA), July 3–6, 2013, Liverpool, UK.
- P. Economou, S. Malefaki and C. Caroni (2013). “Threshold regression models with random effects for recurrent events”, 5th International Conference on Risk Analysis (ICRA5), May 30-June 1, 2013, Tomar, Portugal.
- D. Panagoulia, P. Economou and C. Caroni (2013). “Scale parameters in stationary and non-stationary GEV modeling of extreme precipitation”. European Geosciences Union, General Assembly 2013, 07-12 April 2013, Vienna, Austria.
- S. Malefaki, C. Caroni and P. Economou (2012). “Threshold regression models with random effects for recurrent events”, Bayesian Methods in Biostatistics and Bioinformatics (IRB), December 17-19, 2012, Barcelona, Spain.
- P. Economou and C. Caroni (2012). “A hidden competing risk model for survival data with a cured fraction”. COMPSTAT 12, 27-31 August, 2012, Limassol, Cyprus.
- C. Caroni and D. Stogiannis (2012). “Outlier testing in some time-to-event models”. 21<sup>st</sup> Applied Statistics Symposium (ICSA 2012), June 23-26, 2012, Boston, USA.
- C. Caroni and D. Stogiannis (2011). “Tests for outliers in power-law and inverse Gaussian models for event times”. 4<sup>th</sup> International Conference on Computing and Statistics (ERCIM’11), December 17-19, 2011, London, UK.

K. Diamanti, I. Chronis, Z. Nivolianitou and C. Caroni (2011). "Application of reach legislation on the use of hazardous substances in the wood and furniture", XIX World Congress on Safety and Health at Work, September 11-15, 2011, Istanbul, Turkey.

S. Gizani, A. Agouropoulos, C. Caroni and L. Papagiannoulis (2011). "Caries prevalence in Greek young children: social, biological and family related factors", 23<sup>rd</sup> Congress IAPD, June 15-18, 2011, Athens, Greece.

C. Caroni and D. Stogiannis (2011). "Tests for outliers in some models for recurrent events", 14<sup>th</sup> International Conference, Applied Stochastic Models and Data Analysis (ASMDA), June 7-10, 2011, Rome, Italy.

C. Caroni and D. Stogiannis (2011). "Testing for outliers in sets of repairable systems", 4<sup>th</sup> International Conference on Risk Analysis (ICRA4), May 26-29, 2011, Limassol, Cyprus.

D. Panagoulia and C. Caroni (2011). "Modelling maximum monthly precipitation in temporal climate evolution", European Geosciences Union, General Assembly, April 3-8, 2011, Vienna, Austria.

**5) 22 presentations at Greek Statistical Institute and other conferences in Greece**