Athanassios Katsis, Ph.D.

Professor

Statistics in Educational Research

Contact

katsis@uop.gr / a.katsis@gmail.com

(tel) 30-27410-74987 / (fax) 30-27410-74990

Curriculum Vitae *(pdf Format)*

Education

Ph.D., Statistics, The George Washington University, USA, 1997

Master of Philosophy, Statistics, The George Washington University, USA, 1995

B. Sc., Mathematics, University of Athens, Greece, 1990

Employment

- Department of Social and Educational Policy, University of Peloponnese, Korinthos, Greece, 2004—present

- Department of Statistics and Actuarial Science, University of the Aegean, Samos, Greece, 2002-2004

- Center for Educational Research, Athens, Greece, 2000-2002
- The World Bank, Washington, 1996-1998
- Visiting Assistant Professor, University of Cyprus & University of Toledo, Ohio, USA

Research interests

Bayesian Statistics, sample size determination, economics of education, statistical modeling in educational data

Journal articles

1. Chrysani, A., Kalogerakis, P., Katsis, A. (2017). "The road to resilience: breaking the cycle of disandvantage", Educational Journal of the University of Patras UNESCO Chair, 4(1), p.71-82

2. Sideridis, G. Tsaousis, I. Katsis, (2014). A. An Attempt to Lower Sources of Systematic Measurement Error Using Hierarchical Generalized Linear Modeling (HGLM), Journal of Applied Measurement , 15, 4, 1-24

3. Gouvias, D., Katsis, A., & Limakopoulou, (2012). A. School achievement and family background: A new exploration of an omnipresent relationship, International Studies in Sociology of Education, 22:2, 125-45

4. Hatzinikita, V., Katsis, A., & Petrogiannis, K. (2011) Hellenic Open University student views on Supplementary Digitized Educational Material. Open Education. The Journal for Open and Distance Education and Educational Technology, Vol. 7, 2, 5-19

5. Moniarou-Papaconstantinou V., Tsatsaroni, A., Katsis, A., Koulaidis, V., (2010). LIS as a field of study: socio-cultural influences on students' decision making, Aslib Proceedings: New Information Perspectives, Vol. 62, 3, 321-344

6. Katsis, A., Nistazakis, H. E. and Tombras, G. S. (2009). Bayesian and frequentist estimation of the performance of free space optical channels under weak turbulence conditions. Journal of the Franklin Institute, 346, 4, 315-327.

7. Apostolopoulos, C., Psalidas, A., Hatzinikita, V., and Katsis, A. (2008). Studying Greek

Students' Performance on PISA Science Items. The International Journal of Learning, 15, 8, 1-10.

8. Katsis, A., Martzoukos, S., and Yannacopoulos, A. (2008). Bayesian Statistical Expert Opinion in Option Pricing. Journal of Statistical Theory and Applications, 7, 33-50.

9. Stamey, J., and Katsis, A. (2007). A sample size determination for comparing two Poisson rates with underreported counts. Communications in Statistics, Statistics and Simulation, 36, 483-492.

10. Katsis, A., and Nistazakis H. E. (2007). A flexible Bayesian algorithm for sample size determination in the case of misclassification. Applied Mathematics and Computation, 184, 86-92.

11. Limakopoulou, A., and Katsis A. (2006). Bayesian sample size calculations involving the reliability coefficient of a scale in social sciences. Journal of Statistical Theory and Applications, 4, 381-390.

12. Koulaidis, V., Dimopoulos, K., Tsatsaroni, A., and Katsis, A. (2006). Young People's relations to Education: The Case of Greek Youth. Educational Studies, 32, 343-359.

13. Katsis, A., and Ntzoufras, I. (2005). Bayesian Hypothesis Testing for the Distribution of Insurance Claim Counts Using the Gibbs Sampler. Journal of Computational Methods in Science and Engineering, 5, 201-214.

14. Katsis, A., and Nistazakis, H. E. (2005). An interval-based criterion for sample size determination in the case of misclassification. Journal of Statistical Theory and Applications, 4, 325-340.

15. Katsis, A. (2005). Sample size determination of binomial data with the presence of

misclassification. Metrika, 62, 323-329.

16. Ntzoufras, I, Katsis, A., Karlis, A. (2005). Bayesian Assessment of the Distribution of Insurance Claim Counts Using the Reversible Jump Algorithm. North American Actuarial Journal, 9, 90-105.

17. Katsis, A. (2004). Sample size for testing the homogeneity of two a priori dependent binomial populations using the Bayesian approach. Journal of Applied Mathematics and Decision Sciences, 8, 33-42.

18. Katsis, A., and Toman, B. (2004). A Bayesian Double Sampling Scheme for Classifying Binomial Data. The Mathematical Scientist, 29, 49-53.

19. Katsis, A. (2003). New Bayesian Criteria for Optimizing the Combined Sample Size for Dependent Binomial Populations. Journal of Statistical Theory and Applications, 2, 267-277.

20. Katsis, A. and Toman, B. (2002). A Bayesian Design for the Optimal Allocation of Binomial Samples. Journal of Applied Statistical Science, 11, 297-306. (έχει αναδημοσιευθεί στο Focus on Applied Statistics (2003), editor: Ahsanullah, M., 185-194, Nova Science Publishers, New York).

21. Katsis, A. (2001). Calculating the Optimal Sample Size for Binomial Populations. Communications in Statistics, Part A, Theory & Methods, 30, 665-678.

22. Katsis, A., and Toman, B. (1999). Bayesian Sample Size calculations for binomial experiments. Journal of Statistical Planning and Inference, 81, 349-362.

23. Katsis, A., Psacharopoulos, G., and Mattson, R. (1999). Explaining the Educational Development in Pakistan: An Analysis of the 1991 Household Survey. Journal of Educational Planning and Administration, XII, 17-36.

24. Drosos, G., Stavropoulos, N., Katsis, A., Kesidis, K., Kazakos, K., and Verettas, D (2008). Post-Operative Pain After Knee Arthroscopy and Related Factors. The Open Orthopaedics Journal, 2, 110-114.

25. Halkiadakis, I., Kipioti, A., Emfietzoglou, I., Grigoropoulos, V., Katsis, A., Alimisi, S., Vergados, I., Theodossiadis, P., and Theodossiadis, G. (2008). Comparison of Optical Coherence Tomography and Scanning Laser Polarimetry in Glaucoma, Ocular Hypertension, and Suspected Glaucoma. Ophthalmic Surgery, Lasers & Imaging, 39, 2, 125-132.

International research projects

1. “Harnessing the Learning Assets within the SME Business Community”, Erasmus+ / Strategic Partnerships, 2014-16

2. “Creative Approach to Key Competence Building for Marginalized Young Adults”, Erasmus+ 2015-17

3. “An innovative toolkit for inclusive decision making policies”, Erasmus+/2015-18

4. “Learning for Female African Migrants’ Solidarity: Help-Desks for Female African Migrants in the Eastern Mediterranean Region”, Coordinator, 2013-15

5. “Education Statistics: Lot 2: Methodological development for computing and collecting data on completion rates and average duration in higher education”, Statistical expert, Eurostat tender, 2014-15

6. “Differential Mortality Rates among Mexican and Mexican-American Infants”, The George Washington University, USA, 1993-1994.