

## CURRICULUM VITA

- Name: Vassilis G S Vasdekis
- Present position: Professor of Statistics, Department of Statistics,  
Athens University of Economics and Business
- Email: [vasdekis@aueb.gr](mailto:vasdekis@aueb.gr)
- Degrees: B.Sc in Mathematics (University of Athens), 1988  
M.Sc. in Applied Statistics (University of Oxford, St. Peter's College), 1989  
D.Phil in Statistics (University of Oxford, St. Peter's College), 1993
- Academic positions: Tutor for Queen's College and University College of the Oxford University, 1992-1993.  
Temporary Assistant Professor, Department of Psychology, University of Crete, 1994-1998.  
Lecturer in Statistics, Department of Statistics, Athens University of Economics and Business, 1999-2003.  
Assistant Professor, Department of Statistics, Athens University of Economics and Business, 2003.  
Associate Professor, Department of Statistics, Athens University of Economics and Business, 2009.  
Professor, Department of Statistics, Athens University of Economics and Business, 2016.
- Administration: Director of postgraduate studies, Department of Statistics, AUEB from November 2013-  
November 2016.  
Head of Department of Statistics, AUEB from September 2016-2020.  
Vice-Rector of Academic Affairs and Personnel, AUEB, 2020-2024.  
Rector, AUEB, 2024-
- Fields of interest: Longitudinal data modeling, categorical data, latent variable models, composite likelihood methods, MCMC proposals, clinical trials data analysis.

## PUBLICATIONS

1. Vlachonikolis, I. G. and Vasdekis, V. G. S. (1994). *On a class of change-point models in Covariance Structures for Growth Curves and Repeated Measurements*, Communications in Statistics (Theory and Methods), Vol. 23, No 4, 1087-1102.
2. Vasdekis, V. G. S. (1996). *A Note on the Difference Between Two Likelihood Based Methods in Growth Curves*. Communications in Statistics (Theory and methods), Vol. 25, No 9, 2093-2100.
3. Vasdekis, V.G.S. (1998). Models for the analysis of repeated categorical data. *Psychologia*, 5, 113-122.
4. Naska A., Vasdekis V.G.S. and Trichopoulou A. (2000). Fruit and vegetable availability among 10 European countries-how does it compare with five-a-day recommendation?. *British Journal of Nutrition*, 84, 549-556.
5. Vasdekis, V.G.S and Trichopoulou, A. (2000). Non parametric estimation of individual food availability along with bootstrap confidence intervals in household budget surveys. *Statistics and Probability letters*, **46**, 337-345.
6. Vasdekis, V.G.S., Stylianou, S. and Naska, A. (2001). Estimation of age- and gender-specific food availability from household budget survey data. *Public Health Nutrition*, 4(5B), 1149-1151.
7. Naska, A., Vasdekis, V.G.S. and Trichopoulou, A. (2001). A preliminary assessment of the use of household budget survey data for prediction of individual food consumption. *Public Health Nutrition*, 4(5B), 1159-1165.
8. Vasdekis, V.G.S (2003). Form and selection of covariance adjusted estimators in repeated measures models. *Journal of Statistical Planning and Inference*, **113**, 239-248.
9. Kokkinaki, T. and Vasdekis, V.G.S. (2003). A cross-cultural study on early vocal imitative phenomena in different relationships. *Journal of Reproductive and Infant Psychology*, **21**, 85-101
10. Kamma, J.J, Giannopoulou, C., Vasdekis, V and Baegni, P.C. (2003). The short-term effect of diode laser (980 nm) curettage on aggressive periodontitis. *Journal of Dental Research*, 82, B228, 1738, Sp. Iss B

11. Kamma, J.J., Giannopoulou, C. Vasdekis, V.G.S. and Mombelli, A. (2004). Cytokine profile in gingival crevicular fluid of aggressive periodontitis: influence of smoking and stress. *Journal of Clinical Periodontology*, 31 (10), 894-902.
12. Vasdekis, V.G.S. and Vlachonikolis, I.G. (2005). On the difference between ML and REML estimators in the modeling of multivariate longitudinal data. *Journal of Statistical Planning and Inference*, 134 (1), 194-205.
13. Kamma, J.J., Vasdekis, V.G.S. and Romanos, G.E (2006). The short-term effect of diode laser (980 nm) treatment on aggressive periodontitis. Evaluation of clinical and microbiological parameters. *Journal of Oral Laser Applications*, 2, 111-121.
14. Kamma, J.J., Romanos, G.E and Vasdekis, V.G.S. (2006). A 980 nm diode laser effect on clinical and microbial parameters of aggressive periodontitis (2006). *Journal of Clinical Periodontology*, 33, 105.
15. Giannopoulou, C., Mombelli, A., Tsinidou, K., Vasdekis, V. and Kamma, J. (2008). Detection of gingival crevicular fluid cytokines in children and adolescents with and without fixed orthodontic appliances. *Acta Odontologica Scandinavica*, 66 (3), 169-173.
16. Karlis, D., Vasdekis, V.G.S and Banti, M. (2009). Heteroscedastic semiparametric models for domestic water consumption. Accepted by the *Environmental and Ecological Statistics*.
17. Vasdekis, V.G.S (2008). A comparison of REML and covariance adjustment method in the estimation of growth curve models. *Comms in Statistics-theory and methods*, 37 (20), 3287-3297.
18. Cagnone S., Moustaki, I. and Vasdekis V. (2009). Latent variable models for multivariate longitudinal ordinal responses. *British Journal of Mathematical and Statistical Psychology*, 62, 401-415.
19. Kamma, J.J., Mombelli, A., , Tsinidou, K., Vasdekis, V. and Giannopoulou, C. (2009). Cytokines in gingival crevicular fluid of adolescents and young adults. *Molecular Oral Microbiology*, 24(1), 7-10.
20. Papanas, N., Steiropoulos, P., Nena, E., Tzouvelekis, A., Skarlatos, A., Konsta, M., Vasdekis, V., Maltezos, E. and Bouros, D. (2010). *Vascular Health Risk Management*, 6(6), 281-286.
21. Andreadou, E., Anagnostouli, M., Vasdekis, V., Kararizou, E., Retzos, M., Kantaxis, T. and Evdokimidis, I. (2011). The impact of comorbidity and other clinical and sociodemographic factors on health-related quality of life in Greek patients with Parkinson's disease. *Aging Mental Health*, 15(7), 913-921.
22. Papathomas, M., Dellaportas, P. and Vasdekis V.G.S. (2011). A novel reversible jump algorithm for generalized linear models. *Biometrika*, 98(1), 231-236.
23. Vasdekis, V.G.S., Cagnone, S. and Moustaki, I. (2012). A composite likelihood inference in latent variable models for ordinal longitudinal responses. *Psychometrika* 77(3), 425-441.
24. Vasdekis, V.G.S, Rizopoulos, D., Moustaki, I. (2014). Weighted composite likelihood estimation for a general class of random effects models. *Biostatistics*, 15(4), 677-689.
25. Kokkinaki, T. and Vasdekis, V.G.S. (2015). Comparing emotional coordination in early spontaneous mother-infant and father-infant interactions. *European Journal of Developmental Psychology*, 12 (1), 69-84.
26. Florios, K., Moustaki, I., Rizopoulos, D. and Vasdekis, V.G.S. (2015). A modified weighted pairwise likelihood estimator for a class of random effects models. *Metron*, 73(2), 217-228.
27. Litou, Chara and Vertzoni, Maria and Goumas, Constantinos and Vasdekis, Vassilis and Xu, Wei and Kesisoglou, Filippos and Reppas, Christos (2016). Characteristics of the Human Upper Gastrointestinal Contents in the Fasted State Under Hypo- and A-chlorhydric Gastric Conditions Under Conditions of Typical Drug--Drug Interaction Studies. *Pharmaceutical Research*, 33(6), 1399-1412.
28. Geronikolou, S., Vasdekis, V.G.S., Cokkinos, D., Chrousos, G. and Kanaka-Gantenbein, C. (2016). High sensitivity C-Reactive Protein (hsCRP) levels as predictors of salivary cortisol acute response to mental stress and/or mobile phone call in healthy adolescents. *Hormone research in Paediatrics*, 86, 154.
29. Kokkinaki, T. and Vasdekis, V.G.S. (2016). A Study of Cognitive (Attentional Focus) and Mentalizing Comments of Maternal Speech: Relationship to Infant Birth Order. *International Journal of Psychology Research*, 11(2).
30. Zoga, Margarita and Nikou, Thomas and Ioannidis, Anastasios and Tzavellas, Elias and Paparrigopoulos, Thomas and Lambrokostopoulos, Konstantinos Th and Vasdekis, Vassilis G and Magana, Maria and Chatzipanagiotou, Stylianos, (2017). Alteration of  $\alpha$ -N-

acetylgalactosaminidase (nagalase) concentration in alcohol-dependent individuals without liver disease, during the detoxification therapy. *Drug and alcohol dependence*, 170, 147-151.

31. Kokkinaki, Theano S and Vasdekis, V.G.S. and Koufaki, Zaharenia E and Trevarthen, Colwyn B. (2017). Coordination of Emotions in Mother--Infant Dialogues. *Infant and Child Development*, 26(2).
32. Korre, A. and Vasdekis, V.G.S. (2018). Goodness-of-fit tests for random effect models with binary responses, *Statistics in Medicine*, 37(29), 4571-4587.
33. Korre, A. and Vasdekis, V.G.S. (2020) Weighted cumulative sum tests for random effect models with binary responses, *Statistical Methods in Medical Research*, <https://doi.org/10.1177%2F0962280219886614>
34. Kokkinaki, T.S., Vasdekis, V.G.S. and Devpouche, E. (2020). Maternal and Paternal infant-directed speech to girls and boys: An exploratory study. *European Journal of Developmental Psychology*, 17(3),379-414.
35. Kokkinaki, T. and Vasdekis, V.G.S (2020). Beyond the Words: Comparing Interpersonal Engagement Between Maternal and Paternal Infant-Directed Speech Acts, *Frontiers in Psychology* 11, 523-551.
36. L Guastadisegni, S Cagnone, I Moustaki, V Vasdekis (2021). The asymptotic power of the lagrange multiplier tests for misspecified IRT models, *Quantitative Psychology*, 275-284.
37. L Guastadisegni, S Cagnone, I Moustaki, V Vasdekis (2022). Use of the Lagrange multiplier test for assessing measurement invariance under model misspecification, *Educational and Psychological Measurement* 82 (2), 254-280.
38. T Kokkinaki, M Markodimitraki, VGS Vasdekis (2023). Maternal speech to singleton and first-born dizygotic twin infants: a four-month longitudinal and naturalistic study, *European Journal of Developmental Psychology*, 1-32.
39. T Kokkinaki, M Markodimitraki, VGS Vasdekis, (2023). Comparing speech acts and complexity of maternal speech to singleton and first-born dizygotic twin infants, *Early Child Development and Care*, 1-19.
40. Korre, A. and Vasdekis, V.G.S. (2023). Bias Correction in random effects models with sparse binary responses. *Statistical Methods in Medical research*, 32(11), 2226-2239.
41. L Guastadisegni, S Cagnone, I Moustaki, V Vasdekis (2024). The generalized Hausman test for detecting non-normality in the latent variable distribution of the two-parameter IRT model, accepted for publication by the *British Journal of Mathematical and Statistical Psychology*.

Citations: 1184

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## WORKING PAPERS

1. Vasdekis, V.G.S, Moustaki, I., Rizopoulos, D. And Florios, K. (2016). A Dantzig selector composite likelihood approach for multivariate generalized linear mixed models.
2. Florios, K., Moustaki, I. and Rizopoulos, D, Vasdekis, V.G.S. (2018). A weighted composite likelihood estimator through an information criterion.

## CHAPTERS IN BOOKS

- Kokkinaki, T and Vasdekis, V.G.S. (2009). Gender as a determinant of emotional expressions in spontaneous infant-father interactions: an exploration study. In *New Directions in Developmental Psychology*, ed. Glemyn, B.C. and Zini, R.P., Nova Science.

## CONFERENCE PROCEEDINGS

1. Nestoros J. N., Patakou-Parassiri, V., Sfakianakis, G. and Vasdekis, V. G. S. (1997). *Clinical hypnosis in Ancient and Modern Greece*. In P. J. Hawkins (Editor): Hypnosis in Europe.
2. Vasdekis, V. G. S. and Vlachonikolis I. G. (1997). ML and REML Estimation of Multivariate Repeated Measurements with Random Effects Covariance Structure. *Computing Science and Statistics*, **28**, 514-520
3. Vassilakou T, Vasdekis VGS, Giannakoulia M and Trichopoulou A (1997). *Difference of food availability between men and women in single person families*. Proceedings of "Health and Woman" Conference, Athens 1997, 133-137.
4. Vasdekis, V.G.S. and Trichopoulou, A. (2000). Bootstrap CI in estimated curves using penalized least squares; An example to household budget surveys data. Proceedings of the 12<sup>th</sup> Panhellenic Statistical Conference, Spetses.
5. Kamma, JJ., Romanos, G., Vasdekis, V. And Baehni, P.C. (2003). The short term effect of Diode Laser (980nm) curettage on aggressive periodontitis. *Journal of Dental Research*, 82 (special issue B):B228, abstract 1738 p.55.
6. Vasdekis V.G.S. (2004). Unconstrained covariance adjusted estimators in growth curve models. Proceedings of the 16<sup>th</sup> Panhellenic Statistical Conference, Lefkada
7. Kamma, JJ., Tsinidou, K., Vasdekis, V., Mombelli, A. And Giannopoulou, C. (2004). Detection of GCF cytokines in children and adolescents. *Journal of Dental Research*, 83 (special issue B):B0438.
8. Kamma, JJ., Romanos, G. and Vasdekis, V. (2006). A 980 nm diode laser effect on clinical and microbial parameters of aggressive periodontitis. *Journal of clinical Periodontology*, 33 (supplement 7) abstract 209, 105
9. Kamma, JJ., Romanos, G. and Vasdekis, V. (2006). Effect of 980 nm diode laser on microbial parameters of aggressive periodontitis. *Laser Zahnheilkunde*, 2, (special issue abstracts of the 10<sup>th</sup> meeting of ISLD and 15<sup>th</sup> Annual Congress of DGL, Berlin, may 18-20, 2006), p.119.
10. Romanos, G., Kamma, JJ. and Vasdekis, V. (2006). Effect of diode laser (980 nm) treatment on clinical parameters of aggressive periodontitis. *Laser Zahnheilkunde*, 2, (special issue abstracts of the 10<sup>th</sup> meeting of ISLD and 15<sup>th</sup> Annual Congress of DGL, Berlin, may 18-20, 2006), p.144.
11. Kamma, J.J, Giannopoulou, C., Vasdekis, V and Baegni, P.C. (2003). The short-term effect of diode laser (980 mm) curettage on aggressive periodontitis. *Journal of Dental Research*, 82, B228, 1738, Sp. Iss B
12. Vasdekis, V.G.S., Cagnone, S. and Moustaki, I. (2010). A comparison of a pseudo-likelihood estimation and full information maximum likelihood estimation for fitting multivariate longitudinal ordinal data Proceedings of SIS 2010 Conference, Padua, 16-18 June 2010.
13. Vasdekis, V.G.S., Moustaki, I. and Rizopoulos, D. (2013). A weighted pairwise likelihood estimator for a class of latent variable models, *Advances in Latent variable models, Methods, Models and Applications*. Proceedings of SIS 2013 Conference, Brescia, 19-21 June 2013.

## CONFERENCES

1. Vlachonikolis I. G. and Vasdekis V. G. S. (1991). *Non-Linear Models of Covariance Structures in Growth Curves and Repeated Measurements*. Paper presented in the "European Conference of Statistics and Applied Probability" organized by the Bernoulli Society and held in Barcelona.
2. Nestoros, I. N., Vasdekis, V.G.S. and Research Group of the Department of Psychology of the University of Crete (1996). *Research results in the Psychotherapy of Schizophrenia*. Paper presented in the 14th Panhellenic Psychiatric Conference.
3. Vasdekis, V.G.S., Kokkinaki, N. and Kougioumoutzakakis, I. (1996). *Ways of Modern Microanalysis and Statistical Analysis in Developmental Psychology*. Paper presented in the Panhellenic Conference of the Hellenic Psychological Society.
4. Vasdekis, V. G. S. and Vlachonikolis I. G. (1996). *ML and REML Estimation of Multivariate Repeated Measurements with Random Effects Covariance Structure*. Paper presented in the "Sydney International Statistical Congress" held in Sydney, Australia.
5. Vasdekis, V. G. S. and Vlachonikolis I. G. (1996). *ML and REML Estimation of Multivariate Repeated Measurements with Random Effects Covariance Structure*. Paper presented in the RSS Conference held in Guildford, Surrey, UK.

6. Vasdekis, V.G.S (1996). *Models for the Analysis of Categorical Repeated Measures*. Paper presented in a Symposium under the title "Methodological Matters in Psychology" organized by the Laboratory of General Psychology of the Department of Psychology of the University of Crete.
7. Kalaitzaki, A. E., Nestoros, J. N., Hawkins, P. J. and Vasdekis, V. G. S. (1997). *The impact of schizophrenic symptoms on family's psychological well-being*. Paper presented in the 1st European Conference on Psychotherapy held in Athens, September 11-14, 1997.
8. Friel S, Kelleher C and the DAFNE II group, (1997). *Use of the Irish Household Budget Survey for food availability Estimation*. Conference of the Irish Section of the Nutrition Society.
9. Trichopoulou A, Vasdekis V and the DAFNE Group, (1997). *Alcoholic beverage availability at the household level in five European countries*. 1st International Scientific Congress "Wine and Health", Madrid.
10. Vasdekis, V. G. S. and Trichopoulou, A. (1999). Bootstrap CI in estimated curves using splines: An example to household budget survey data. 12<sup>th</sup> Panhellenic Statistical Conference, Spetses.
11. Karidis I., Giannakopoulou I., Trikallinou A., Giannatou E., Adamidis S., Vasdekis V. and Panos G. (2001). Στατιστικό μοντέλο καταγραφής του ρυθμού μεταβολής των κυττάρων CD4 και του ιικού φορτίου από την έναρξη της αντιρετροϊκής αγωγής σε πεπειραμένους HIV (+) ασθενείς. 13<sup>ο</sup> Πανελλήνιο συνέδριο AIDS, Αθήνα. 31 Οκτωβρίου-2 Νοεμβρίου 2001.
12. Karidis I., Giannakopoulou I., Trikallinou A., Giannatou E., Adamidis S., Vasdekis V. and Panos G. (2001). Στατιστικό μοντέλο καταγραφής του ρυθμού μεταβολής των κυττάρων CD4 και του ιικού φορτίου από την έναρξη της αντιρετροϊκής αγωγής σε μη πεπειραμένους HIV (+) ασθενείς. 13<sup>ο</sup> Πανελλήνιο συνέδριο AIDS, Αθήνα, 31 Οκτωβρίου-2 Νοεμβρίου 2001.
13. Giannakopoulou J., Karydis I., Trikkalinou E., Giannatou E., Panos G. and Vasdekis V. (2001). Statistical model tracing the rate of CD4-cell change since initiation of antiretroviral treatment in non-experienced HIV+ patients. Paper presented in the 8<sup>th</sup> European Conference on clinical aspects and treatment of HIV infection held in Athens, October 28-31, 2001.
14. Trikkalinou E., Karydis I., Giannakopoulou J., Giannatou E., Vasdekis V. and Panos G. (2001). Statistical model tracing the rate of CD4-cell change since initiation of antiretroviral treatment in experienced HIV+ patients. Paper presented in the 8<sup>th</sup> European Conference on clinical aspects and treatment of HIV infection held in Athens, October 28-31, 2001.
15. Kamma, J.J., Romanos, G., Vasdekis, V.G.S., Baehni, P. (2003). Diode laser short-term effect on Periodontitis. Evaluation of clinical and microbiological parameters. Poster presented in the 81st General Session of the International Association for Dental Research.
16. Vasdekis, V.G.S. (2004). Unconstrained covariance adjusted estimators in growth curve models. 17<sup>th</sup> Panhellenic Statistical Conference, Lefkada.
17. Vasdekis, V.G.S. and Dellaportas, P. (2005). An approach to the analysis of multivariate ordinal repeated measures. 18<sup>th</sup> Panhellenic Statistical Conference, Rhodes.
18. Vasdekis, V.G.S. and Dellaportas, P. (2005). An approach to the analysis of multivariate ordinal repeated measures. EMR, 2<sup>nd</sup> Conference of Biometric Society, Corfu.
19. Papatomas, M., Dellaportas, P., Vasdekis, V.G.S. (2006). Proposal distributions for reversible jump Markov Chain Monte Carlo. Valencia 8-ISBA 2006 World Meeting on Bayesian Statistics, Spain, June 2006.
20. Cagnone, S., Vasdekis, V. and Moustaki, I. (2006). Dynamic factor analysis for categorical and metric variables. SMABS, EAM Conference 2006, Budapest.
21. Vasdekis, V.G.S. and Kamma, J. (2008). REML estimation for joint mean-covariance models of unequally spaced longitudinal data: a periodontitis data example. International Conference on Computational Statistics (COMPSTAT 2008), August 24-29, Porto Portugal.
22. Vasdekis, V., Cagnone, S. and Moustaki, I. (2009). Full and limited information methods for latent variable models for ordinal longitudinal data. Paper presented in 16<sup>th</sup> International Meeting of Psychometric Society, July 2009, Cambridge, UK.
23. Vasdekis, V.G.S., Cagnone, S. and Moustaki, I. (2010). A [comparison of a pseudo-likelihood estimation and full information maximum likelihood estimation for fitting multivariate longitudinal ordinal data](#). Paper presented in the 2010 Conference of the Italian Statistical Society, Padua, 16-18 June 2010.
24. Vasdekis, V., Cagnone, S. and Moustaki, I. (2010). Pairwise likelihood inference in latent variable models for ordinal longitudinal responses. Paper presented in the 28<sup>th</sup> European Meeting of Statisticians, August 17-22, Peiraeus, Greece.
25. Vasdekis, V., Cagnone, S. and Moustaki, I. (2010). Limited and full information estimation methods for factor analysis models for longitudinal ordinal variables. RSS International Conference, Brighton September 13-17, 2010.

26. Vasdekis, V.G.S., Moustaki, I. and Rizopoulos, D. (2012). A weighted pairwise likelihood estimator for a class of latent variable models. Invited talk, Workshop on composite likelihood methods held at BIRS, Banff Canada, April, 21-26, 2012.
27. Vasdekis, V.G.S., Moustaki, I. and Rizopoulos, D. (2013). A weighted pairwise likelihood estimator for a class of latent variable models, Invited talk, Advances in Latent variable models, SIS 2013 held in the University of Brescia, June 19-21, 2013.
28. Florios, K., Moustaki, I., Rizopoulos, D. and Vasdekis, V.G.S. (2015). A modified weighted pairwise likelihood estimator for a class of random effects models. Paper presented in the 14<sup>th</sup> Conference on Research on Economic Theory and Econometrics, 12-16 July, 2015.
29. Vasdekis, V.G.S., Florios, K., Moustaki, I. and Rizopoulos, D. (2015). A dantzig selector composite likelihood approach for multivariate generalized linear mixed models. Paper presented in the IMPS 2015, Beijing, China.
30. Vasdekis, V.G.S., Florios, K., Moustaki, I. and Rizopoulos, D. (2017). A weighted composite likelihood estimator through an information criterion. Paper presented in the 9<sup>th</sup> EMR-IBS and Italian Region Conference 2017, Thessaloniki, Greece.
31. Vasdekis, V.G.S., Florios, K., Moustaki, I. and Rizopoulos, D. (2018). Model average weighted estimators for latent variable models in a longitudinal data setting. Paper presented in the ERCIM2019 held in Piza, Italy.
32. L Guastadisegni, I Moustaki, S Cagnone, V Vasdekis (2022). Detecting latent variable non-normality through the generalized Hausman test. Paper presented in the IMPS2022 held in Bologna, Italy.

## OTHER PUBLICATIONS

1. Nestoros J. N., Patakou-Parassiri, V., Sfakianakis, G. and Vasdekis, V. G. S. (1997). *Clinical hypnosis in Ancient and Modern Greece*. In P. J. Hawkins (Editor): Hypnosis in Europe (in press).
2. European Commission - Cooperation in Science and Technology with Central and Eastern European countries, COST 99 - Food consumption and composition data, DAFNE (DAta Food NETworking) - Network for the Pan-European Food Data Bank based on Household Budget Surveys (HBS) data. Methodology for the exploitation of HBS food data and results on food availability in 5 European countries (ed. Trichopoulou A, Lagiou P.) EUR 17909 EN. Office for Official Publications of the European Communities, Luxembourg 1997.
3. DAFNE 2 (DAta Food NETworking) - Network for the Pan-European Data Bank based on Household Budget Surveys (HBS) data. Methodology for the exploitation of HBS food data and results on food availability in six European countries. Final report (1998).
4. Trichopoulou, A., Lagiou, P., Nelson, M., Remaut-De Winter, A-M., Kelleher, C. Leohhauser, I., Moreiras, O., Schmitt, A., Wlodzimierz, S., Trygg, K. Zajkas, G. for the DAFNE I and II Projects of the European Commission (1999). Food Disparities in 10 European Countries: Their Detection Using Household Budget Survey Data-The Data Food Networking (DAFNE) Initiative. *Nutrition Today*, **34**, 3, 129-139.

## REVIEWER

- 2005: Computational Statistics and Data Analysis (1)  
Quality Technology and Quantitative Management (1)
- 2006: Computational Statistics and Data Analysis (1), Journal of the Royal Statistical Society, Series A (1), Πρακτικά του Συνεδρίου του Ελληνικού Ινστιτούτου (1), Journal of Multivariate Analysis (1)
- 2007: Mathematical Reviews (1)
- 2008: Mathematical Reviews (1), Computational Statistics and Data Analysis (1)
- 2009: Mathematical Reviews (1), Psychometrika (1)
- 2010: Mathematical reviews (1), Psychometrika (1), Computational Statistics and data Analysis (1), Πρακτικά του Συνεδρίου του Ελληνικού Ινστιτούτου (1)
- 2011: British Journal of Mathematical and Statistical Psychology (1), Mathematical Reviews (3), Public Helath Nutrition (1), Πρακτικά του Συνεδρίου του Ελληνικού Ινστιτούτου (1)
- 2012: Psychometrika (1), Mathematical Reviews (2), Πρακτικά του Συνεδρίου του Ελληνικού Ινστιτούτου (1)

- 2013: Journal of the Royal Statistical Society Ser. A, (1), Biometrics (1), Journal of Multivariate Analysis (1), Mathematical reviews (4).
- 2014: Computational Statistics and Data Analysis (1), European Urban and Regional Studies (1), BMC Medical Research Methodology (1), Statistical Methods in Medical research (1), Educational and Psychological Measurement (1), Mathematical Reviews (4)+Review of Agresti's categorical Data Analysis, Wiley for Mathematical Reviews.
- 2015: Educational and Psychological Measurement (1), Computational Statistics and Data Analysis (1), Public Health Nutrition (1), Journal of Computational and Graphical Statistics (1), Mathematical Reviews (1)+ Review of Multivariate Bonferroni type inequalities, theory and applications, Chapman and Hall for Mathematical Reviews.
- 2016: Statistical Science (1), Structural Equation Modelling (1), Journal of Computational and Graphical Statistics (1), Statistics and Probability Letters (1), Biometrical Journal (1), International Journal of Production Research (1).
- 2017: Journal of Multivariate Analysis (1), Behavioral Research Methods (1), Journal of Applied Statistics (1).
- 2018- : Computational Statistics and Data Analysis (1), South African Statistical Journal (1), WIRE Computational Statistics (1), PLOS ONE (1), Biometrical Journal (1), Psychometrika (1), Statistics in Medicine (1), Mathematics (1), Statistical Methods in Medical Research (4), Journal of the Royal Statistical Society C (1).

## LECTURE NOTES

1. Vasdekis, V. (1995). Statistics for Psychologists, Lecture notes, Department of Psychology, University of Crete
2. Vasdekis, V. (1999). Lecture notes on distribution theory and applications on a computer. Lecture notes, Department of Statistics, Athens University of Economics and Business.
3. Vasdekis, V. and Psarakis, S. (2001). Design of experiments and analysis of variance. Lecture notes, Department of Statistics, Athens University of Economics and Business.
4. Vasdekis, V. and Moustaki, I. (2005). Analysis of categorical data. Lecture notes, Athens University of Economics and Business.
5. Vasdekis, V. (2010). Analysis of Longitudinal Data, Lecture notes, Athens University of Economics and Business.
6. Vasdekis, V. (2013). Applied Linear Models. Lecture notes, Department of Statistics, Athens University of Economics and Business.

## TEACHING

### Undergraduate:

1. Statistics for Psychologists
2. Design and Analysis of Experiments
3. Linear Models
4. Multivariate Analysis Methods
5. Statistical Methods in Medicine

### Postgraduate:

6. Generalized Linear Models
7. Analysis of Longitudinal Data
8. Clinical Trials
9. Categorical data analysis

## PROFESSIONAL EXPERIENCE

- September 1996-January 1997: In cooperation with E.K.K.E «Understanding the “Stranger”: Racism in Greece».



- “Statistical analysis of Zyban administration against Placebo to smokers with COPD (2003). Project supported by the pharmaceutical industry GLAXO-WELLCOME.
- “Statistical analysis of the open multicenter observational study investigating the long term administration of Topiramate as supplemental therapy to adults suffering from epilepsy (2002). Project supported by the pharmaceutical industry JANSSEN-CILAG.
- “An investigation of mycosis occurrence frequency in Greece: the HERMES project” (2003). Project supported by the pharmaceutical industry JANSSEN-CILAG.
- “Statistical analysis of the safety clinical study (PASS) investigating Risperidone administration as antipsychotic treatment, to adults chronic psychotic patients” (2003). Project supported by the pharmaceutical industry JANSSEN-CILAG.
- “Statistical analysis of the open multicenter study investigating the effect of Epoetin-alfa administration during surgery, to patients suffering from CaP or BTCC” (2004). Project supported by the pharmaceutical industry JANSSEN-CILAG.
- “Statistical analysis of the open observational study investigating the effect of galantamine administration to patients suffering from mild to moderately severe senility of Alzheimer type” (2004). Project supported by the pharmaceutical industry JANSSEN-CILAG.
- “Statistical analysis of a retrospective study comparing three therapeutic substances for the treatment of Alzheimer disease” (2005). Project supported by the pharmaceutical industry JANSSEN-CILAG.
- “Statistical analysis of the open, observational, safety study, investigating Reminyl administration to patients suffering from mild to moderately severe Alzheimer disease” (2006). Project supported by the pharmaceutical industry JANSSEN-CILAG.
- “Statistical analysis of the non interventional clinical study (PASS) investigating the effect of Rabeprazole administration to patients suffering from gastroesophageal reflux” (2006). ). Project supported by the pharmaceutical industry JANSSEN-CILAG.
- “Statistical analysis of the open observational study investigating the effect of Rabeprazole administration to adults suffering from H. pylori” (2006). Project supported by the pharmaceutical industry JANSSEN-CILAG.
- Teaching of applied statistics and SPSS statistical package to Health professionals sponsored by the pharmaceutical industry JANSSEN-CILAG from 2007 to 2012.
- Other smaller consulting projects for JANSSEN-CILAG since 2012.

## RESEARCH PROJECTS

- January 1997-May 2001: Cooperation with the Greek Institute of Food during the European projects  
 DAFNE I: Methodology for the exploitation of Household Budget Surveys food data and results on food availability in 5 European countries.  
 DAFNE II: Network for the Pan-European food data bank based on Household Budget Surveys. Methodology for the exploitation of HBS food data and results on food availability, in six European countries.  
 FAIR-97-3096: Compatibility and Individual Nutrition Surveys in Europe and Disparities in Food Habits.
- “PYTHAGORAS project: Research teams support to Universities”. Project title: Analysis of correlated binary data through synthesis of classic and Bayesian inferential techniques (2004) (50,000E).
- “A pairwise likelihood inference in latent variable models for ordinal responses”: Funded by the Basic Research Funding Programme, Athens University of Economics and Business, Academic year 2009/10 (4000E).
- “Composite likelihood inference in dynamic latent variable models for ordinal data”: Funded by the Basic Research Funding Programme, Athens University of Economics and Business, Academic year 2010/11 (6000E).
- “Composite likelihood inference in dynamic latent variable models for longitudinal multivariate contingency tables”, Funded by program ARISTEIA II, 2014-2015 (100,000E).

## POSTGRADUATE THESES SUPERVISED

1	Αθανασοπούλου	Ιωάννα	2003	Estimation Using Generalized Estimating Equations in Complex Repeated Measures Data: An Application to Periodontitis Data
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2	Αντωνίου	Νικολέττα	2011	Introducing Meta-analysis Methods for Formulating, Evaluating and Combining Information from Medical Studies
3	Βαρέλη	Αικατερίνη	2001	Semiparametric Generalized Additive Models: An Application to Periodontitis Data
4	Γεωργούντζου	Αθανασία	2006	Joint-Mean-Covariance Models with Applications to Longitudinal Data
5	Γιαννακοπούλου	Ιουδήθ	1999	Tracing the Rate of CD4-Cells and Viral Load since Initiation of Antiretroviral Treatment of HIV+ Patient
6	Γιαννούλη	Αικατερίνη	2011	Assessing the Sensitivity of Meta-Analysis to Selection Bias
7	Καράκου	Σοφία-Χρυσούλα	1998	Estimation of Age and Gender Food Availability from Household Budget Survey Data
8	Καραμανλής	Ορέστης	2000	A Longitudinal Data Analysis Using Linear Mixed Effects Models
9	Κορρέ	Αντωνία	2002	An Application of the Generalized Estimating Equations Methodology to Ordered Categorical Outcomes. Analyzing the Effect of SRP Procedure (Scaling and Root Planning), on Early Onset Periodontitis Patients
10	Κρανιά	Κωνσταντίνα	2010	Meta-Analysis: Formulating, Evaluating, Combining & Reporting
11	Μπακογεώργου	Μαρία	2003	A Linear Mixed Effects Application to Data Coming from Patients Suffering from Periodontitis
12	Μπαλάτ	Βασιλική	2001	A Comprehensive Analysis of Clinical Longitudinal Data, Using Linear Mixed-Effects Models
13	Παπακώστα	Παναγιώτα	2005	Generalized Linear Mixed Models with the New PROC NLMIXED Procedure
14	Ριζόπουλος	Χαράλαμπος	2008	A Pairwise Likelihood Estimation Approach to an Underline Latent Variable for Ordinal Responses
15	Ροδόπουλος	Θεόδωρος	2005	A Computational Comparison Between SPSS and SAS Statistical Packages in the Analysis of the Linear Mixed Effect Models
16	Σαμαρτσίδης	Παντελής	2011	An Overview of Methods for Estimating the Between-study Variance-Covariance Matrix in Random Effects Multivariate Meta-analysis
17	Τσαμπαρδούκα	Θεοδώρα	2011	Estimation of Discrete Choice Experiments Using Multinomial Logit Models
18	Χατζηγαγόπουλου	Λάζαρος	2008	Pairwise Likelihood Estimation in Longitudinal Data Analysis; A Comparison With Full Likelihood Approach
19	Χατζόπουλος	Μιχάλης	2009	An Application of Nonlinear Mixed Models for Longitudinal Data
20	Χατζόπουλος	Αγησίλαος	1999	Προγράμματα Κατάρτισης Ευπαθών Κοινωνικών Ομάδων και Συνοδευτικές Υποστηρικτικές Υπηρεσίες
1	Βασιλείου	Αλεξάνδρα	2002	Εφαρμογή της Μεθοδολογίας των Εκτιμητών GEE (Generalized Estimating Equations) στη Στατιστική Ανάλυση Εναλλακτικών Θεραπειών για τη Ρευματοειδή Αρθρίτιδα

2	Γεωργίου	Ευάγγελος	2007	Η εφαρμογή των GEE μοντέλων παλινδρόμησης σε επαναλαμβανόμενες μετρήσεις Poisson δεδομένων επιληπτικών κρίσεων, με τη χρήση του στατιστικού πακέτου SAS
3	Δελημπέη	Ελένη	2006	Εκτίμηση Συμφωνίας στη Σύγκριση Μεθόδων
4	Καρούση	Τιτίκα-Ευθαλία	2011	Χρήση του Ασβεστίου ή Ασβέστιο σε Συνδυασμό με Βιταμίνη D Συμπληρωμάτων για την Πρόληψη των Καταγμάτων και της Οστικής Απώλειας σε άτομα ηλικίας 50 ετών και άνω: Μία META-ΑΝΑΛΥΣΗ
5	Κατσαβριάς	Γεώργιος	2010	Αξιολόγηση της Αποτελεσματικότητας της Εισαγωγής Φθορίου στους Συγκολλητικούς Παράγοντες της Ορθοδοντικής στην Πρόληψη της Απασβεστίωσης με τη Μέθοδο της META-ΑΝΑΛΥΣΗΣ
6	Κονσολάκη	Ελένη	2007	Εφαρμογή Μοντέλων Μεικτών Επιδράσεων στη Μελέτη Νευρωνικής Δομής σε Ζωικό Μοντέλο Επιταχυνόμενης Γήρανσης
7	Κοντοδήμας	Αθανάσιος	2009	Μελέτη Φαρμακοκινητικής Συμπεριφοράς της Ινδομεθασίνης με Εφαρμογή μη Γραμμικών Μοντέλων σε Δεδομένα Επαναλαμβανόμενων Μετρήσεων
8	Λυκουρίνα	Άννα	2008	Using a Multinomial Logit Model to evaluate the demand for Pharmaceutical Drugs in the Greek market
9	Μασκίνη	Βικτωρία	2010	Έλεγχος Μέτρησης της Συμφωνίας Διαφορετικών Μεθόδων στην Ιατρική
10	Μαυροειδή	Μαρία	2010	Μια Αναθεώρηση των Στατιστικών Μεθόδων σε META-ΑΝΑΛΥΣΗ
11	Μπισμπιρούλα	Αγορίτσα	2008	Μέτρηση Συμφωνίας ως Μέθοδος Σύγκρισης Μελετών
12	Νούλας	Νικόλαος	2007	Στατιστική Μελέτη Περιφερικών Νευρικών Αποκλεισμών του Κάτω Άκρου για Επίτευξη Αιαισθησίας σε Αρθροσκοπήσεις Γόνατος
13	Οικονομάκη	Θεοδώρα	2008	Η ΣΙΝΑΚΑΛΣΕΤΗ ΣΕ ΜΕΤΑΜΟΣΧΕΥΜΕΝΟΥΣ ΑΣΘΕΝΕΙΣ
14	Παναγιωτίδου	Μαρία	2003	Έρευνα για την Ανίχνευση των Βασικών Χαρακτηριστικών και Προβλημάτων που Αντιμετωπίζουν οι Επωφελούμενοι της Κάριτας Αθήνας Προσφυγικό Έργο
15	Σιδηροπούλου	Παρασκευή	2001	Ανάλυση Δεδομένων Αποτελέσματος της Μεθόδου "Scale and Root Planning" στην Μείωση Συγκέντρωσης Μικροβίων στο Στόμα σε Ασθενείς που Πάσχουν από Περιοδοντίτιδα
16	Σιμιτσής	Παναγιώτης	2011	Η Επίδραση της Θεραπείας με Ενδοφλέβια Ινότροπα στην Ενδονοσοκομειακή Θνητότητα Ασθενών με Οξεία Καρδιακή Ανεπάρκεια: Μια Ανάλυση με Propensity Score Matching
17	Σταθάκου	Ελένη	2008	Μετά-Ανάλυση: Σχεδιασμός, Αξιολόγηση, Συνδυασμός και Αναφορά
18	Σωτηρόπουλος	Νικόλαος	2001	Εκτίμηση της Αποτελεσματικότητας της Υδροχλωρικής Σεβελαμέρης ως Νέου Φωσφοροδεσμευτικού φαρμάκου στην αντιμετώπιση της υπερφωσφαταιμίας των χρόνιων αιμοκαθαιρόμενων ασθενών
19	Ταλούμης	Μιχαήλ	2010	Έλεγχος Συμφωνίας Μετρήσεων Διαφορετικών Μεθόδων στην Ιατρική

20	Τσάγκα	Ειρήνη	2010	Υπολογισμός του MANTEL-HAENSZEL και PETO ESTIMATOR από Πολλές Έρευνες για Διαφορά Δύο Θεραπειών
21	Χάδου	Δέσποινα	2004	Μελέτη Παραδειγμάτων Βιοστατιστικού Περιεχομένου με τη Βοήθεια του Στατιστικού Πακέτου NCSS-PASS
22	Χαραλάμπους	Άλκηστη	2005	Εφαρμογή της GEE Μεθόδου σε Επαναλαμβανόμενες Δίτιμες Μετρήσεις: Συμπερασματολογία και Έλεγχος Υποθέσεων

## DOCTORATE AND POSTDOCTORATE STUDENTS

Evgenia Tzompanaki, Thesis title: ‘Using and Expanding Hybrid Latent Variable Models For Modelling Missing Data and For Discovering Influential Points’, 2014

Antonia Korre, Thesis title: ‘Goodness-of-fit statistics in Correlated Binary Data’, 2016

Ioanna Athanassopoulou, Thesis title: ‘A Modeling Approach to Correlated Binary Outcomes’, 2017

Current Doctorate student: Fay Tasouli “Topics in estimation and Goodness-of-fit in mixed latent variable models”

Kostas Florios, worked as a postdoctorate student on ARISTEIA II project ‘Composite likelihood inference in dynamic latent variable models for longitudinal multivariate contingency tables’.

Antonia Korre, worked as a postdoctorate student on “Reduced bias estimators for meta-analysis under extreme sparsity”.

## MISCELLANEA

Fellow of the Royal Statistical Society (UK),

Fellow of Bernoulli Society.

Fellow of the American Mathematical Society.

Languages: Greek, English, French.