




Professor Ioannis Kosmidis

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RESEARCH INTERESTS

penalized and pseudo likelihood theory and methods; statistical computing and algorithms for regression models; methods for clustering; interdisciplinary data-analytic applications; software development.

EDUCATION

10/2004 – 09/2007 **PhD in Statistics, University of Warwick** viva 21/09/2007
01/2003 – 06/2003 Department of Probability and Statistics, **University of Sheffield** (ERASMUS exchange)
09/2000 – 06/2004 **BSc (Statistics), Athens University of Economics and Business**

EMPLOYMENT HISTORY AND AFFILIATIONS

08/2021 – present **Professor of Statistics**, Department of Statistics, **University of Warwick**
01/2018 – 08/2021 **Reader in Data Science**, Department of Statistics, **University of Warwick**
01/2018 – present **Honorary Reader in Statistics**, Department of Statistical Science, **University College London**
09/2016 – present **Turing Fellow, Alan Turing Institute**
10/2015 – 12/2017 **Senior Lecturer**, Department of Statistical Science, **University College London**
09/2010 – 09/2015 **Lecturer**, Department of Statistical Science, **University College London**
01/2012 – 07/2012 **Senior Research Fellow**, Department of Statistics, **University of Warwick**
09/2007 – 09/2010 **CRISM Research Fellow**, Department of Statistics, **University of Warwick**

PROFESSIONAL SERVICE

Editorial responsibilities and refereeing activity

02/2018 – present **Associate Editor** for **Biometrika**
10/2011 – present **Associate Editor** for the **Journal of Statistical Software**
10/2013 – 12/2019 **Associate Editor** for **Statistics and Computing**
09/2007 – present **Referee** for **more than 25 journals**

Membership of professional societies, committees, and research groups

Current

01/2021 – present Royal Statistical Society's Research Section (committee member)
09/2017 – present Turing Interest Group on Data Science for Sports, Activity, and Well-being (founder, organizer)
10/2007 – present Royal Statistical Society (fellow)

Past

11/2016 – 10/2021 Royal Statistical Society's Statistics in Sport Section (committee member)
01/2019 – 09/2020 Turing Interest Group on Machine Learning by Systems, for Systems (member)
09/2017 – 09/2020 Turing Interest Group on Online Machine Learning (member)
09/2015 – 12/2017 Statistics for Health Economic Evaluation research group, University College London (member)
05/2015 – 12/2017 Statistics in Sports and Health research group, University College London (founder, leader)
09/2014 – 12/2017 EPICentre research group, University College London (member)

Organisation of conferences, workshops and scientific events

O: Organiser, CO: Co-Organiser, SPC: Scientific Programme Committee

08/2021 CO, SPC **Greek Stochastics μ'** (Corfu, Greece)
08/2019 CO, SPC **Greek Stochastics λ'** (Corfu, Greece)
03/2018 O BayesComp 2018 invited session
Deterministic approximation methods and pseudo-likelihoods (Barcelona, Spain)
12/2018 CO, SPC **Greek Stochastics κ'** (Athens, Greece)
07/2017 CO, SPC **Greek Stochastics ι'** (Milos, Greece)
06/2017 CO, SPC **3rd UCL Workshop on the theory of big data** (London, UK)

01/2016 CO, SPC **2nd UCL Workshop on the theory of big data** (London, UK)
07/2016 CO, SPC **Greek Stochastics θ'** (Tinos, Greece)
11/2015 CO, SPC Alan Turing Institute Scoping Workshop **Data Science for Data-rich Sports** (London, UK)
01/2015 CO, SPC **1st UCL Workshop on the theory of big data** (London, UK)
12/2014 O ERCIM 2014 invited session
Handling nuisance parameters (Pisa, Italy)
09/2012 CO **Imperial-UCL Joint Statistics Symposium** (London, UK)
09/2011 CO, SPC **useR! 2011 Conference** (Coventry, UK)
04/2008 CO **Workshop on Composite Likelihood Methods** (Coventry, UK)

Organisation of other academic and enabling activities

06/2019 – present Theory & Methods Challenge Fortnights in Data Science and Artificial Intelligence, Turing Institute
02/2016 – 06/2016 Reading group on "Statistical Learning with Sparsity"
11/2016 – 12/2016 Statistics in Sports and Health 2016 meet-up series
02/2011 – 06/2012 CSML book club on "Asymptotic Statistics"
11/2010 – 09/2011 Reading group on "Foundations of Statistics"

Academic administration

09/2019 – present Course Director in Data Science, University of Warwick
09/2019 – 09/2020 Member of the Management Group, Department of Statistics, University of Warwick
10/2013 – 12/2017 Member of the Bibliometrics working group, University College London
01/2011 – 12/2017 Chair of the Computing and Infrastructure Committee, Department of Statistical Science, University College London
09/2008 – 09/2010 Programme Manager of the Academy for PhD Training in Statistics (APTS)
01/2009 – 09/2010 Computing Committee Member, Department of Statistics, University of Warwick
01/2008 – 09/2010 Contract Research Staff Representative, Department of Statistics, University of Warwick
09/2005 – 09/2006 Chairman of Postgraduate Staff Student Liaison Committee, Department of Statistics, University of Warwick

PUBLICATIONS

Theory and methods

1. Parametric bootstrap inference for stratified models with high-dimensional nuisance specifications.
Bellio R, Kosmidis I, Salvan A, Sartori N (2021+)
Statistical Sinica (forthcoming). *Preprint at ArXiv e-prints (2010.16186)*
2. Two-way sparsity for time-varying networks with applications in genomics.
Bartlett T E, Kosmidis I, Silva R
Annals of Applied Statistics, 15, 866–879. *Preprint at ArXiv e-prints (1802.08114)*
3. Voxel-wise and spatial modelling of binary lesion masks: Comparison of methods with a realistic simulation framework.
Kindalova P, Kosmidis I, Nichols T E (2021)
NeuroImage, 236, 118090.
4. Jeffreys-prior penalty, finiteness and shrinkage in binomial-response generalized linear models.
Kosmidis I, Firth D (2021)
Biometrika, 108, 71–82
5. Mean and median bias reduction in generalized linear models.
Kosmidis I, Kenne Pagui E C, Sartori N (2020)
Statistics and Computing, 30, 43–59
6. Location-adjusted Wald statistic for scalar parameters.
Di Caterina C, Kosmidis I (2019)
Computational Statistics and Data Analysis, 138, 126–142
7. Median bias reduction in random-effects meta-analysis and meta-regression.
Kyriakou S, Kosmidis I, Sartori N (2019).
Statistical Methods in Medical Research, 28, 1622–1636
8. Improving the accuracy of likelihood-based inference in meta-analysis and meta-regression.
Kosmidis I, Guolo A, Varin C (2017)
Biometrika, 104, 489–496
9. Model-based clustering using copulas with applications.
Kosmidis I, Karlis D (2016).

- Statistics & Computing**, **26**, 1079–1099
10. Bias in parametric estimation: reduction and useful side-effects.
Kosmidis I (2014).
WIRE Computational Statistics, **6**, 185–196
 11. Improved estimation in cumulative link models.
Kosmidis I (2014).
Journal of the Royal Statistical Society: Series B, **76**, 169–196
 12. Multinomial logit bias reduction via the Poisson log-linear model.
Kosmidis I, Firth D (2011).
Biometrika, **98**, 755–759
 13. Simulating events of unknown probabilities via reverse time martingales.
Latuszynski K, Kosmidis I, Papaspiliopoulos O, Roberts G O (2011).
Random Structures and Algorithms, **38**, 441–452
 14. A generic algorithm for reducing bias in parametric estimation.
Kosmidis I, Firth D (2010).
Electronic Journal of Statistics, **4**, 1097–1112
 15. Bias reduction in exponential family non-linear models.
Kosmidis I, Firth D (2009).
Biometrika, **96**, 793–804

Applications

16. A Bayesian inference approach for determining player abilities in football.
Whitaker, G A, Silva, R, Edwards, D, Kosmidis, I (2021).
Journal of the Royal Statistical Society: Series C, **70**
17. Spatial distribution and cognitive impact of cerebrovascular risk-related white matter hyperintensities.
Veldsman M, Kindalova P, Husain M, Kosmidis I, Nichols T E (2020).
NeuroImage: Clinical, **28**, 102405.
18. Modeling outcomes of soccer matches.
Tsokos, A, Narayanan, S, Kosmidis, I, Baio, G, Cucuringu, M, Whitaker, G, Király, F J (2019).
Machine Learning, **108**, 77-95
19. Empirical seismic vulnerability assessment of Icelandic buildings affected by the 2000 sequence of earthquakes.
Ioannou I, Bessason B, Kosmidis I, Bjarnason J Ö., Rossetto T (2018).
Bulletin of Earthquake Engineering, **16**, 5875–5903
20. Seismic vulnerability functions for Australian buildings by using GEM empirical vulnerability assessment guidelines.
Maqsood T, Edwards M., Ioannou I, Kosmidis I, Rossetto T, Corby N (2015).
Natural Hazards, **80**, 1625–1650
21. Liquidity commonality does not imply liquidity resilience commonality: A functional characterisation for ultra-high frequency cross-sectional LOB data.
Panayi E, Peters G W, Kosmidis I (2015).
Quantitative Finance, **15**, 1737–1758
22. Upside and downside risk exposures of currency carry trades via tail dependence.
Ames M, Peters G, Bagnarosa G, Kosmidis I (2015).
In: Glau K, Scherer M, Zagst R (Eds.), **Innovations in Quantitative Risk Management**, Volume 99 of Springer Proceedings in Mathematics & Statistics, 163–181

Papers on statistical software

23. Modelling rankings in R: the PlackettLuce package.
Turner H L, van Etten J, Firth D, Kosmidis I (2020)
Computational Statistics **35**, 1027–1057
24. trackeR: Infrastructure for running and cycling data from GPS-enabled tracking devices in R.
Frick H, Kosmidis I (2017)
Journal of Statistical Software, **82** (7)
Vignette: <https://cran.r-project.org/web/packages/tracker/vignettes/tracker.pdf>
25. Extended Beta Regression in R: Shaken, Stirred, Mixed, and Partitioned.
Grün B, Kosmidis I, Zeileis A (2012).
Journal of Statistical Software, **48** (11)
26. The profileModel R package: Profiling objectives for models with linear predictors.
Kosmidis, I (2008).
R News, **8/2**, 12–18, R Foundation for Statistical Computing

Working papers and unpublished reports (titles subject to change; with no preprint, authors listed alphabetically)

27. Penalized generalized estimating equations for relative risk regression with applications to brain lesion data.
Kindalova P, Veldsman M, Nichols T E, Kosmidis I (2021).
Preprint at bioRxiv e-prints (DOI: 10.1101/2021.11.01.466751)
28. Scalable and Interpretable Marked Point Processes.
Panos A, Kosmidis I, Dellaportas P
Preprint at ArXiv e-prints (2105.14574)
29. Flexible marked spatio-temporal point processes with applications to event sequences from association football.
Narayanan S, Kosmidis I, Dellaportas P
Preprint at ArXiv e-prints (2103.04647)
30. Bias reduction as a remedy to the consequences of infinite estimates in poisson and tobit regression.
Köll S, Kosmidis I, Kleiber C, Zeileis A
Preprint at ArXiv e-prints (2101.07141)
31. Empirical bias-reducing adjustments to estimating functions.
Kosmidis I, Lunardon N
Preprint at ArXiv e-prints (2001.03786)
32. Davidson-Luce model for multi-item choice with ties.
Firth D, Kosmidis I, Turner H L
Preprint at ArXiv e-prints (1909.07123)
33. Multi yield curve stress-testing framework incorporating temporal and cross tenor structural dependencies.
Karimalis E, Kosmidis I, Peters G W
Preprint at Bank of England Staff Working Paper Series (Working Paper 655)
34. Linking the performance of endurance runners to training and physiology effects via multi-resolution elastic net.
Kosmidis I, Passfield L
Preprint at ArXiv e-prints (1506.01388)
35. Supervised sampling for clustering large data sets.
Kosmidis I, Karlis D
Preprint at CRiSM Working Paper Series (Paper 10-10)
36. On iterative adjustment of responses for the reduction of bias in binary regression models
Kosmidis I
Preprint at CRiSM Working Paper Series (Paper 09-36).
37. Modelling bounded-responses in the presence of boundary observations.
Kosmidis I, Zeileis A
38. Fixed-effects estimation of two-parameter logistic models.
Bellio R, Kosmidis I, Sartori N
39. Scalable computation for generalized linear and nonlinear models in the presence of a large nuisance factor.
Firth, D, Kosmidis, I
40. The brglm2 R package: Reduced-bias inference for generalized linear models with dispersion parameters.
Kosmidis I

SOFTWARE

Stable

41. betareg: Beta regression (R; author)
42. brglm: Bias reduction for binomial-response generalized linear models (R; author, maintainer)
43. brglm2: Bias Reduction in Generalized Linear Models (R; author, maintainer)
44. cranly: Package directives and collaboration networks in CRAN (R; author, maintainer)
45. detectseparation: Detect and check for separation and infinite maximum likelihood estimates (R; author, maintainer)
46. enrichwith: Methods to enrich various R objects with extra components (R; author, maintainer)
47. GEEBRA General estimating equations with or without bias-reducing adjustments (Julia; author; maintainer)
48. MEstimation Methods for M-estimation of statistical models (Julia; author; maintainer)
49. PlackettLuce: Plackett-Luce models (R; author)
50. profileModel: Tools for profiling inference functions for various model classes (R; author, maintainer)
51. semnar: Methods for constructing and interacting with databases of presentations (R; author, maintainer)
52. trackerR: Infrastructure for running, cycling and swimming data from GPS-enabled tracking devices (R; author, maintainer)
53. trackeRapp Interface for the analysis of running, cycling and swimming data (R; author, maintainer)

In early development phase

54. `brtobit`: Bias-reduced Tobit regression models (R; author)
55. `brquasi`: Bias reduction in quasi likelihood estimation (R; author, maintainer)
56. `brRasch`: Maximum likelihood and bias reduction for fixed-effects Rasch models (R; author, maintainer)
57. `coursehand`: Course handbook maintenance at the Department of Statistics, University of Warwick (R; author, maintainer)
58. `GoldenCheetahOpenData`: R API and Local Database Management for the GoldenCheetah OpenData Project (R; author, maintainer)
59. `waldi`: Location-adjusted Wald statistics (R; author, maintainer)

Publication profiles

Google Scholar <https://scholar.google.co.uk/citations?user=CpZBF2wAAAAJ>
 ResearcherID <http://www.researcherid.com/rid/A-3012-2012>

RESEARCH VISITS & INVITED TALKS

IS: Invited Seminar/Talk, RV: longer Research Visit, ID: Invited Discussant, KE: Keynote talk

03/2021 IS Department of Statistics, **Athens University of Economics and Business**, Greece
 12/2020 IS Department of Statistics Teaching Forum, **University of Warwick**, UK
 12/2020 IS Learning Tools and Applied Quantitative Methods for Decision Making, **Free University of Bozen-Bolzano**, Italy
 10/2020 IS Department of Mathematical Sciences, **Durham University**, United Kingdom
 06/2020 IS **European R users meeting (eRum) 2020**, Milan, Italy
 03/2020 IS Geneva School of Economics and Management, **University of Geneva**, Switzerland
 03/2020 IS Institute of Mathematics, **EPFL**, Lausanne, Switzerland
 03/2020 IS School of Mathematics, **Cardiff University**, UK
 02/2020 IS Department of Mathematics, **Imperial College London**, UK
 02/2020 IS Big Data Institute, **University of Oxford**, UK
 02/2020 IS Algorithms & Computationally Intensive Inference seminars, **University of Warwick**, UK
 01/2020 IS, RV School of Mathematics and Statistics, **University College Dublin**, Ireland
 12/2019 IS REG tech talks, **The Alan Turing Institute**, London, UK
 09/2019 IS, RV Department of Economics and Statistics, **University of Udine**, Italy
 09/2019 IS **RSS Conference 2019**, Belfast, Ireland
 08/2019 IS **WHOA-PSI 4**, St. Louis, MO, USA
 07/2019 IS, KE **MathSports International 2019**, Athens, Greece
 06/2019 IS, RV Department of Statistical Sciences, **University of Toronto**, Canada
 05/2019 IS Young Researchers' Meeting, Department of Statistics, **University of Warwick**, UK
 05/2019 IS Theory and Algorithms in Data Science seminar, **The Alan Turing Institute**, London, UK
 04/2019 IS **CRoNoS & MDA 2019**, Limassol, Cyprus
 04/2019 IS School of Mathematics, **University of Manchester**, UK
 02/2019 IS Algorithms & Computationally Intensive Inference seminars, **University of Warwick**, UK
 11/2018 IS School of Mathematics, **University of Edinburgh**, UK
 10/2018 IS **Oxford R Users Group**, UK
 10/2018 IS, RV Department of Economics, Quantitative Methods and Business Strategy, **University of Milano-Bicocca**, Italy
 10/2018 IS **Workshop on Challenges for Categorical Data Analysis**, Aachen, Germany
 10/2018 IS OxWasp Annual Workshop 2018, **University of Warwick**, Coventry, UK
 06/2018 IS **ISNPS 2018**, Salerno, Italy
 06/2018 IS **Workshop on Machine Learning and Econometrics, CEMMAP**, London, UK
 05/2018 IS Institute of Statistics and Mathematics, **WU Wien**, Austria
 12/2017 IS Department of Mathematics, **King's College London**, UK
 11/2017 IS **2nd AUEB Sports Analytics Workshop 2017**, Athens, Greece
 08/2017 IS **CEN ISBS Joint Conference on Biometrics & Biopharmaceutical Statistics**, Vienna, Austria
 03/2017 IS S3RI, **University of Southampton**, UK
 02/2017 IS CeMSIIS, **Medical University of Vienna**, Austria
 02/2017 IS Department of Statistics, **University of Warwick**, UK
 02/2017 IS Department of Statistical Science, **University College London**, UK
 01/2017 IS, RV Empirical Economics and Econometrics Research Centre, **University of Innsbruck**, Austria
 11/2016 IS School of Mathematics and Statistics, **University of Glasgow**, UK
 11/2016 IS Department of Mathematics, **University of York**, UK
 05/2016 IS **Royal Statistical Society East Midlands Local Group**, Nottingham, UK

02/2016 IS School of Mathematics, **University of Edinburgh**, UK
11/2015 IS, RV Department of Economics, **Universitat Pompeu Fabra**, Spain
11/2015 IS Meeting of the Statistical Computing and Sport Sections, **Royal Statistical Society**, London, UK
05/2015 IS **SuSTaln i-like workshop, "Intractable Likelihoods"**, Bristol, UK
04/2015 IS, RV Faculty of Economics and Business, **KU Leuven**, Belgium
04/2015 IS **51st Gregynog Statistical Conference**, Powys, UK
03/2015 IS, RV Department of Statistics, **University of Padova**, Italy
03/2015 IS, RV Informatics and Statistics, **Ca' Foscari University**, Italy
02/2015 IS School of Mathematics, **University of Bristol**, UK
02/2015 IS School of Mathematical Sciences, **Queen Mary University of London**, UK
10/2014 IS School of Mathematics, Statistics and Actuarial Science, **University of Kent**, UK
06/2014 IS, RV Informatics and Statistics, **Ca' Foscari University**, Italy
11/2013 IS Department of Statistics, **LSE**, UK
10/2013 IS Department of Mathematics, **Imperial College London**, UK
05/2013 IS Department of Statistics, **University of Oxford**, UK
04/2013 IS, RV Department of Statistics, **Athens University of Economics and Business**, Greece
01/2013 IS, RV School of Computing Sciences, **University of East Anglia**
03/2013 ID **International Workshop on Recent Advances in Statistical Inference**, Padova, Italy
11/2012 IS Department of Statistics, **University of Vienna**, Austria
11/2012 IS School of Mathematics and Statistics, **Newcastle University**, UK
05/2012 IS, RV Faculty of Economics and Statistics, **Universität Innsbruck**, Austria
02/2012 IS **London School of Hygiene and Tropical Medicine**, UK
08/2011 RV Department of Statistics, **Harvard University**, USA
12/2010 IS School of Mathematics, **University of Southampton**, UK
11/2010 IS, RV Department of Economics, **Universitat Pompeu Fabra**, Spain
05/2010 IS School of Mathematical Sciences, **Queen Mary University of London**, UK
05/2009 IS, RV Department of Statistics, **University of Padova**, Italy
05/2006 IS, RV Department of Statistics, **Athens University of Economics and Business**, Greece

CONTRIBUTIONS TO CONFERENCES, WORKSHOPS & PUBLIC EVENTS

07/2019 trackeRapp: An integrated shiny workflow for the analysis of running, cycling and swimming data. *useR! 2019 Conference, Toulouse, France*
07/2019 Making sense of CRAN: Package and collaboration networks. *useR! 2019 Conference, Toulouse, France*
05/2019 On your mark, get set, go! Data scientists making platforms for your exercise data. *Pint Of Science, London, UK*
09/2018 Beyond Beta regression: modelling bounded-domain variables in the presence of boundary observations. *RSS Conference 2018, Cardiff, Wales*
07/2016 Penalized likelihood inference in meta-regression. *31st IWSM, Rennes, France*
06/2016 brglm2: Reduced-bias inference in generalized linear models. *useR! 2016 Conference, Stanford, US*
12/2015 Beyond Beta regression: modelling percentages and fractions in the presence of boundary observations. *ERCIM 2013, London, UK*
07/2015 Linking the performance of endurance runners to training and physiology effects via multi-resolution elastic net. *Greek Stochastics η' , Crete, Greece*
07/2015 Beyond beta regression: modelling percentages and fractions in the presence of boundary observations. *30th IWSM, Linz, Austria*
06/2015 Linking the performance of endurance runners to training and physiology effects via multi-resolution elastic net. *MathSport International 2015, Loughborough, UK*
12/2014 Effects of bias on inference in the presence of nuisance parameters: case studies and questions. *ERCIM 2014, Pisa, Italy*
12/2013 Beyond Beta regression: modelling percentages and fractions in the presence of boundary observations. *ERCIM 2013, London, UK*
07/2013 Reduced-bias inference for multi-dimensional Rasch models. *28th IWSM, Palermo, Italy*
07/2012 Bias reduction in the estimation of Rasch models. *8th World Congress in Probability and Statistics, Istanbul, Turkey*
12/2011 Model-based clustering using copulas. *ERCIM 2011, London, UK*
08/2011 brglm: Bias reduction in generalized linear models. *useR! 2011 Conference, Coventry, UK*
08/2011 A generic algorithm for reducing bias in parametric estimation. *JSM, FL, US*
05/2011 Multinomial logit bias reduction via the Poisson log-linear model. *Greek Stochastics γ' , Crete, Greece*
09/2010 Supervised sampling for clustering large data sets. *RSS Conference 2010, Brighton, UK*

- 08/2010 On iterative adjustment of responses for the reduction of bias in categorical response models. *Greek Stochastics β' , Lefkada, Greece*
- 10/2009 Profiling the parameters of models with linear predictors. *ERCIM 2009, Limassol, Cyprus*
- 08/2009 Bias reduction in generalized nonlinear models. *JSM 2009, DC, US*
- 07/2009 On iterative adjustment of responses for the reduction of bias in binary regression. *24th IWSM, NY, US*
- 08/2008 Profiling the parameters of models with linear predictors. *useR! 2008 Conference, Dortmund, Germany*
- 07/2007 Penalized likelihood for a three-parameter Rasch model. *22nd IWSM, Barcelona, Spain*
- 07/2006 Bias reduction and shrinkage in multinomial logit models. *21st IWSM, Galway, Ireland*
- 07/2005 Bias reduction in ordinal response models. *25th EMS, Oslo, Norway*

RESEARCH FUNDING AND FUNDING FOR RESEARCH ACTIVITIES

RC: Research Contract, RG: Research Grant, RS: Research Studentship, SE: Scientific Event, TVG: Travel/Visitor grant
 PI: Principal Investigator, CI: Co-Investigator

Theory & Methods Challenge Fortnights The Alan Turing Institute	SE	PI	01/2019 –	funding for 2019-2022
Trusted Digital Infrastructure for Identity Systems The Alan Turing Institute	RG	PI	10/2020 – 10/2021	£85.0K
Warwick Impact Fund Award University of Warwick	RG	PI	03/2018 – 03/2019	£11.0K
Turing Fellowship The Alan Turing Institute	RG	PI	01/2018 – 08/2021	= 60% Warwick FTE
English Institute of Sport	RC	PI	02/2015 – 02/2017	£160.0K
English Institute of Sport and EPSRC	RS	PI	09/2015 – 01/2019	£69.5K
Turing Fellowship The Alan Turing Institute	RG	PI	09/2016 – 01/2018	= 40% UCL FTE
“Data science for data-rich sport” workshop The Alan Turing Institute	SE	CI	11/2015	£14.0K
Grant for international visitors UCL Big Data Institute	TVG	PI	08/2016	£2.5K

AWARDS & SCHOLARSHIPS

06/2014	UCL’s Mathematical and Physical Sciences (MAPS) Faculty Teaching Award for 2014
07/2007	Best student poster award in 22nd IWSM
10/2004 – 09/2007	EPSRC funding for tuition fees (PhD studies)
10/2004 – 09/2007	Warwick Postgraduate Research Fellowship (PhD studies)
2003–04, 2002-03, 2001-02	G Chalkiopoulos Foundation annual scholarship award for exceptional student performance

TEACHING EXPERIENCE

U: Undergraduate level, G: Graduate level, P: PhD level

Generalized linear models with large data

U University of Warwick Coventry, UK Term 2 2017-2018; 2018-2019

Scalable regression: old tricks, new era

P The Alan Turing Institute London, UK 05/2018

Regression modelling with large data sets

P	University of Padova	Padova, Italy	05/2021
P	University of Bristol	Bristol, UK	04/2021
P	University of Padova	Padova, Italy	09/2020
P	University of Padova	Padova, Italy	05/2018
P	University of Innsbruck	Innsbruck, Austria	01/2017
G	Barcelona GSE Data Science	Barcelona, Spain	11/2015; 10/2016

Linear and generalized linear models

G Athens University of Economics and Business Athens, Greece 06/2014; 03/2015

Further modelling with applications in health research: Proportional odds models

U, G	University College London	London, UK	Term 2 2013–2015; 2014–2015
Linear models and the analysis of variance			
U	University College London	London, UK	Term 1 2010–2011; 2011–2012; 2012–2013; 2013–2014; 2014–2015; 2015–2016
Introduction to significance tests			
G	University College London	London, UK	Term 1 2011–2012; 2012–2013; 2013–2014; 2015–2016
Introduction to practical statistics			
U	University College London	London, UK	Term 2 2010–2011
Advanced topics in statistics: asymptotic statistics			
U, G	University of Warwick	Coventry, UK	Term 1 2009–2010

COMPUTING SKILLS & LANGUAGES

Programming languages (in order of usage)	R, Julia, Python, Mathematica, C
Operating systems (in order of usage)	Mac OS X, Linux, Windows
Languages	Greek (mother tongue), English, German

ACADEMIC SUPERVISION

Post-Doctoral Research Associates

Aristeidis Panos	first advisor	10/2020 – 10/2021
Thomas Bartlett	host advisory team	09/2016 – 09/2020
Gavin Whitaker	second advisor	11/2016 – 10/2018
Hannah Frick	first advisor	02/2015 – 02/2017

Current PhD students

Philipp Sterzinger	first supervisor	started 09/2021
Patrick Zietkiewicz	first supervisor	started 09/2021
Petya Kindalova	joint supervisor	started 09/2016

Completed PhD students

Zhenzheng Hu	joint supervisor	viva 08/2021
Dirichlet process probit misclassification mixtures model for misclassified binary data		
Zhongzhen Wang	joint supervisor	viva 04/2021
Statistical modelling approaches with Bayesian tensor factorisations		
Asma Saleh	first supervisor	viva 02/2021
Reduced-bias estimation of some non-standard models		
Santhosh Narayanan	first supervisor	viva 06/2020
Bayesian modelling of flexible marked point processes with applications to event sequences from association football		
Alkeos Tsokos	first supervisor	viva 11/2019
Exploiting smoothness in regression and joint models		
Sophia Kyriakou	first supervisor	viva 05/2018
Reduced-bias estimation and inference for mixed-effects models		
Claudia Di Caterina	external supervisor	visited 09/2015 – 09/2016
Reducing the impact of bias in likelihood inference for prominent model settings		
Stylianios Kampakis	joint supervisor	viva 06/2016
Predictive modelling of football injuries		
Emmanouil Karimalis	external supervisor	visited 09/2013 – 12/2014
Essays in multivariate modelling in Finance		

Interns and visiting project students

- 2017 – 2018 (4): Robin Hornak (intern at University of Warwick; 07/2018 – 08/2018),
Andrew McCormack (visiting from University of Toronto; 06/2018 – 07/2018),
Alessandra Cabassi (intern at Turing Institute; 06/2018 – 09/2018),
Junyang Wang (intern at Turing Institute; 06/2018 – 09/2018)
- 2015 – 2016 (3): Santhosh Narayanan (visiting from GSE Data Science; 06/2016 – 09/2016),
Sarah Inman (visiting from GSE Data Science; 06/2016 – 09/2016),
Alexia Calandras (visiting from ENSTA ParisTech; 05/2016 – 07/2016)

MSc and M-level project supervision

- 2021 – 2022 (2): Dylan Dijk, Janique Krasnowska
- 2020 – 2021 (5): Mingcong Chen, Aaron O'Brien, Jack Osmond, Harry Rusdale, Fernando Zepeda
- 2019 – 2020 (8): Ilse Cuevas Andrade, Daniel Caplan, Chenglei Hu, Jane Jiang, Dimitra Kousi, Afentra Theocharous,
Shannon Williams, Patrick Zietkiewicz
- 2018 – 2019 (4): Ziyi Sun, Amy Wang, Declan Wardell, Yuliang Weng
- 2017 – 2018 (4): Mingyu Chen, Ruijun Hou, Shuyang Wang
Dimitrios Papadimitriou (Tukey prize for best MSc dissertation in the dept of Statistics)
- 2016 – 2017 (1): Zhenzheng Hu
- 2015 – 2016 (4): Sidney Bixer, Alberto Martin Izquierdo, Chenye Li, Edward Terry
- 2014 – 2015 (2): Xiaolin Shen, Alkeos Tsokos
- 2013 – 2014 (2): Kavya Jagan, Halil Halil
- 2012 – 2013 (1): Jiancheng Chen
- 2011 – 2012 (1): Yi Feng

BSc project supervision

- 2021 – 2022 (1): Ákos Szepesi
- 2019 – 2020 (2): Ben Barlow, Jake Pagden
- 2017 – 2018 (1): Robin Hornak (best final year project in the dept of Statistical Science)
- 2015 – 2016 (1): Angus Chiu
- 2014 – 2015 (2): Yijie Hu, Tongjin Zhang
- 2013 – 2014 (3): Ian Lim, Yaqiao Zhang, Yijia Zhang
- 2012 – 2013 (3): Anyi Zou, Rong Tu, Assiya Iskaliyeva
- 2011 – 2012 (1): Martin Huber