Alessandro Gasparini

Principal Statistical Methodologist at Red Door Analytics

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Work Experience

Red Door Analytics AB

Principal Statistical Methodologist	2024-11 – Current
Senior Biostatistician and Software Developer	2023-11 – 2024-10
Senior Biostatistician	2022-11 – 2023-10

Karolinska Institutet, Department of Medical Epidemiology and Biostatistics

Affiliated Researcher	2022-11 – Current
Post-Doctoral Researcher in Biostatistics	2019-09 – 2022-10

Karolinska Institutet, Department of Clinical Science, Intervention and Technology

Research Assistant and Biostatistician	2015-04 – 2016-10
Research Intern	2014-08 – 2015-01

Epidemiological Service of the Veneto Region

Research Intern	2012-04 – 2012-07

Education

University of Leicester

Ph.D. in Biostatistics	2020

University of Milano-Bicocca

M.Sc. in Biostatistics and Experimental Statistics	2015

University of Padua

B.Sc. in Statistics and Computing Technologies	2012

Publications

Theses

A Gasparini. *Multilevel Modelling of Electronic Health Records.* 2019.

A Gasparini. *Time to Start of Renal-replacement Therapy in Pre-dialysis Patients Referred to a Nephrologist: A Competing Risks Approach Using Data from the Swedish Renal Registry.* 2015.

A Gasparini. *Hip Fracture in Elderly People in the Veneto Region.* 2012.

Journal Articles

A Gasparini, MJ Crowther, EO Hoogendijk, F Li, MO Harhay. *Analysis of cohort stepped wedge cluster-randomized trials with nonignorable dropout via joint modeling.* Statistics in Medicine, 2025

S Rögnvaldsson, A Gasparini, S Thorsteinsdottir, I Sverrisdottir, E Eythorsson, TE Long, R Palmason, B Vidarsson, PT Onundarson, BA Agnarsson, M Sigurdardottir, I Olafsson, I Thorsteinsdottir, JT Oskarsson, A Jonsson, R Palsson, OS Indridason, A Olafsson, M Hultcrantz, BGM Durie, S Harding, O Landgren, TJ Love, SY Kristinsson. *Monoclonal gammopathy of undetermined significance and the risk of thrombotic events: Results from iStopMM, a prospective population-based screening study.* British Journal of Haematology, 2024

KA McCullough, JB Eisenga, JK Banwait, A Gasparini, KB Harrington, TJ George, KA Hutcheson, RL Smith II, WT Brinkman, JM DiMaio, JM Schaffer. *Hospital and surgeon surgical valvar volume and survival after multi-valve cardiac surgery in Medicare beneficiaries.* The Journal of Thoracic and Cardiovascular Surgery, 2024

M Illipse, A Gasparini, B Christoffersen, P Hall, K Czene, K Humphreys. *Studying the association between longitudinal non-dense breast tissue and breast cancer risk: a joint modelling approach.* American Journal of Epidemiology, 2024

M Creignou, E Bernard, A Gasparini, A Tranberg, G Todisco, PL Moura, E Ejerblad, L Nilsson, H Garelius, P Antunovic, F Lorenz, B Rasmussen, G Walldin, T Mortera-Blanco, M Jansson, M Tobiasson, C Elena, J Ferrari, A Galli, S Pozzi, L Malcovati, G Edgren, MJ Crowther, M Jädersten, E Papaemmanuil, E Hellström-Lindberg. *Early transfusion patterns improve the Molecular International Prognostic Scoring System (IPSS-M) prediction in myelodysplastic syndromes.* Journal of Internal Medicine, 2024, 296(1):53—67

SC Freeman, AJ Sutton, NJ Cooper, A Gasparini, MJ Crowther, N Hawkins. *Bayesian pairwise meta-analysis of time-to-event outcomes in the presence of non-proportional hazards: a simulation study of flexible parametric, piecewise exponential and fractional polynomial models.* Research Synthesis Methods, 2024, 15(5):780—801

MW Linakis, C Van Landingham, A Gasparini, MP Longnecker. *Re-expressing coefficients from regression models for inclusion in a meta-analysis.* BMC Medical Research Methodology, 2024, 24(1):6

A Gasparini, K Humphreys. *A natural history and copula-based joint model for regional and distant breast cancer metastasis.* Statistical Methods in Medical Research, 2022, 31(12):2415—2430

A Gasparini, K Humphreys. *Estimating latent, dynamic processes of breast cancer tumour growth and distant metastatic spread from mammography screening data.* Statistical Methods in Medical Research, 2022, 31(5):862–881

MK Sullivan, JJ Carrero, BD Jani, C Anderson, A McConnachie, P Hanlon, D Nitsch, DA McAllister, FS Mair, PB Mark, A Gasparini. *The presence and impact of multimorbidity clusters on adverse outcomes across the spectrum of kidney function.* BMC Medicine, 2022, 20(1):1–13

E Syriopoulou, A Gasparini, K Humphreys, TML Andersson. *Assessing lead time bias due to mammography screening on estimates of loss in life expectancy.* Breast Cancer Research, 2022, 24(15)

JJ Carrero, EL Fu, SV Vestergaard, SK Jensen, A Gasparini, V Mahalingasivam, S Bell, H Birn, U Heide-Jørgensen, CM Clase, F Cleary, J Coresh, FW Dekker, RT Gansevoort, BR Hemmelgarn, KJ Jager, TH Jafar, CP Kovesdy, MM Sood, B Stengel, CF Christiansen, M Iwagami, D Nitsch. *Defining measures of kidney function in observational studies using routine health care data: methodological and reporting considerations.* Kidney International, 2022, 103(1):53—69

A Bosi, Y Xu, A Gasparini, B Wettermark, P Barany, R Bellocco, LA Inker, AR Chang, M McAdams-DeMarco, ME Grams, J-I Shin, JJ Carrero. *Use of nephrotoxic medications in adults with chronic kidney*

disease in Swedish and US routine care. Clinical Kidney Journal, 2022, 15(3):442–451

A Gasparini, TP Morris, MJ Crowther. *INTEREST: INteractive Tool for Exploring REsults from Simulation sTudies.* Journal of Data Science, Statistics, and Visualisation, 2021, 1(4)

A Gasparini, KR Abrams, JK Barrett, RW Major, MJ Sweeting, NJ Brunskill and MJ Crowther. *Mixed effects models for healthcare longitudinal data with an informative visiting process: a Monte Carlo simulation study.* Statistica Neerlandica, 2020, 74(1):5–23

MO Harhay, A Gasparini, AJ Walkey, GE Weissman, MJ Crowther, SJ Ratcliffe and JA Russell. *Assessing the course of organ dysfunction using joint longitudinal and time-to-event modeling in the vasopressin and septic shock trial (VASST).* Critical Care Explorations, 2020, 2(4)

A Gasparini, MS Clements, KR Abrams, MJ Crowther. *Impact of model misspecification in shared frailty survival models.* Statistics in Medicine, 2019, 38(23):4477–4502

A Gasparini, M Evans, P Barany, H Xu, T Jernberg, J Ärnlöv, LH Lund and JJ Carrero. *Plasma potassium ranges associated with mortality across stages of chronic kidney disease: the Stockholm CREAtinine Measurements (SCREAM) project.* Nephrology Dialysis Transplantation, 2019, 34(9):1534–1541

UH Lundström, U Hedin, A Gasparini, F Caskey, JJ Carrero and M Evans. *Influence of AV-fistula placement on renal function decline.* Nephrology Dialysis Transplantation, 2019, in press

B Runesson, AR Qureshi, H Xu, A Gasparini, B Lindholm, P Barany, CG Elinder, JJ Carrero. *Causes of death across categories of estimated glomerular filtration rate: The Stockholm CREAtinine Measurements (SCREAM) project.* PLOS ONE, 2019, 14(1):e0209440

LA Inker, ME Grams, AS Levey *et al. Relationship of estimated GFR and albuminuria to concurrent laboratory abnormalities: an individual participant data meta-analysis in a global consortium.* American Journal of Kidney Disease, 2019, 73(2):206–217

A Gasparini. *rsimsum: Summarise results from Monte Carlo simulation studies.* Journal of Open Source Software, 2018, 3(26):739

A Gasparini. *comorbidity: An R package for computing comorbidity scores.* Journal of Open Source Software, 2018, 3(23):648

CJ Janmaat, M van Diepen, A Gasparini, M Evans, AR Qureshi, J Ärnlöv, P Barany, CG Elinder, JI Rotmans, M Vervloet, FW Dekker and JJ Carrero. *Lower serum calcium is independently associated with CKD progression.* Scientific Reports, 2018, 8(1):5148

M Evans, S Methven, A Gasparini, P Barany, K Birnie, S MacNeill, MT May, FJ Caskey and JJ Carrero. *Cinacalcet use and the risk of cardiovascular events, fractures and mortality in chronic kidney disease patients with secondary hyperparathyroidism.* Scientific Reports, 2018, 8(1):2103

L Friberg, A Gasparini, JJ Carrero. *A scheme based on ICD-10 diagnoses and drug prescriptions to stage chronic kidney disease severity in healthcare administrative records.* Clinical Kidney Journal, 2018, 11(2):254–258

H Xu, M Evans, A Gasparini, K Szummer, J Spaak, J Ärnlöv, B Lindholm, T Jernberg and JJ Carrero. *Outcomes associated to serum phosphate levels in patients with suspected acute coronary syndrome.* International Journal of Cardiology, 2017, 245:20–26

E Nilsson, A Gasparini, J Ärnlöv, H Xu, KM Henriksson, J Coresh, ME Grams and JJ Carrero. *Incidence and determinants of hyperkalemia and hypokalemia in a large healthcare system.* International Journal of Cardiology, 2017, 245:277–284

K Matsushita, SH Ballew, J Coresh *et al. Measures of chronic kidney disease and risk of incident peripheral artery disease: a collaborative meta-analysis of individual participant data.* The Lancet Diabetes & Endocrinology, 2017, 5(9):718–728

DCF Klatte, A Gasparini, H Xu, P de Deco, M Trevisan, ALV Johansson, B Wettermark, J Ärnlöv, CJ Janmaat, B Lindholm, FW Dekker, J Coresh, ME Grams and JJ Carrero. *Association between proton pump inhibitor use and risk of progression of chronic kidney disease.* Gastroenterology, 2017, 153(3):702–710

H Xu, A Gasparini, J Ishigami, K Mzayen, G Su, P Barany, J Ärnlöv, B Lindholm, CG Elinder, K Matsushita and JJ Carrero. *eGFR and the risk of community-acquired infections.* Clinical Journal of the American Society of Nephrology, 2017, 12(9):1399–1408

K Szummer, A Gasparini, S Eliasson, J Ärnlöv, AR Qureshi, P Barany, M Evans, L Friberg and JJ Carrero. *Time in therapeutic range and outcomes after warfarin initiation in newly diagnosed atrial fibrillation patients with renal dysfunction.* Journal of the American Heart Association, 2017, 6(3):e004925

S Methven, A Gasparini, JJ Carrero, FJ Caskey and M Evans. *Routinely measured iohexol glomerular filtration rate versus creatinine-based estimated glomerular filtration rate as predictors of mortality in patients with advanced chronic kidney disease: a Swedish Chronic Kidney Disease Registry cohort study.* Nephrology Dialysis Transplantation, 2017, 32(suppl 2):ii170-ii179

UH Lundström, A Gasparini, R Bellocco, AR Qureshi, JJ Carrero and M Evans. *Low renal replacement therapy incidence among slowly progressing elderly chronic kidney disease patients referred to nephrology care: an observational study.* BMC Nephrology, 2017, 18(1):59

JJ Carrero, ME Grams, Y Sang, J Ärnlöv, A Gasparini, K Matsushita, AR Qureshi, M Evans, P Barany, B Lindholm, SH Ballew, AS Levey, RT Gansevoort, CG Elinder and J Coresh. *Albuminuria changes are associated with subsequent risk of end-stage renal disease and mortality.* Kidney International, 2017, 91(1):244–251

A Gasparini, M Evans, J Coresh, ME Grams, O Norin, AR Qureshi, B Runesson, P Barany, J Ärnlöv, T Jernberg, B Wettermark, CG Elinder and JJ Carrero. *Prevalence and recognition of chronic kidney disease in Stockholm healthcare.* Nephrology Dialysis Transplantation, 2016, 31(12):2086–2094

B Runesson, A Gasparini, AR Qureshi, O Norin, M Evans, P Barany, B Wettermark, CG Elinder and JJ Carrero. *The Stockholm CREAtinine Measurements (SCREAM) project: protocol overview and regional representativeness.* Clinical Kidney Journal, 2015, 9(1):119–127

Working Papers and Pre-Prints

EC Martin, A Gasparini, MJ Crowther. 2020. Title: *merlin: An R Package for Mixed Effects Regression for Linear, Nonlinear and User-Defined Models.* arXiv:2007.14109

Invited Talks

ASA LiDS Webinar and Short Course Series. 2025. Title: *Dynamic Prediction Methods.*

Seminar Series in Biostatistics, Department of Statistics and Quantitative Methods, Università degli Studi di Milano-Bicocca. 2022. Title: *Monte Carlo Simulation: An Invaluable Tool for 21st Century Statisticians.*

Open Access Week at Karolinska Institutet. 2022. Title: *ReproHack: Practicing Research Reproducibility.*

CISNET Mid-Year Meeting. 2022. Title: *A Joint Model of Breast Tumor Size at Diagnosis and Time to Recurrence.*

Baxter Novum and Renal Medicine Zoom Seminars. 2021. Title: *A Practical Tour in the World of Joint Modelling.*

Seminar Series in Biostatistics, Unit of Biostatistics, Epidemiology and Public Health, Department of Statistics and Quantitative Methods, Università degli Studi di Milano-Bicocca, Milan, Italy. 2021. Title: *An Introduction to Monte Carlo Simulation Studies for Statisticians.*

Invited Seminar, EPID 702 Course on Advanced Topics in Epidemiologic Research at the University of Pennsylvania. 2021. Title: *A Guided Tour Through Monte Carlo Simulation Studies.*

RSS International Conference. 2020. Title: *Natural History Models for Breast Cancer Growth and Spread*

Spring Meeting of the Swedish Society for Medical Statistics. 2020. Title: *Open Tools to Analyse and Report Monte Carlo Simulation Studies.*

Seminar Series in Biostatistics, Unit of Biostatistics, Epidemiology and Public Health, Department of Statistics and Quantitative Methods, Università degli Studi di Milano-Bicocca, Milan, Italy. 2017. Title: *Mixed Effects Survival Models.*

Oral Presentations

Internal Biostatistics Seminars, Department of Medical Epidemiology and Biostatistics, Karolinska Institutet, Stockholm, Sweden. 2024. Title: *Standardized Survival Probabilities and Contrasts Between Hierarchical Units in Multilevel Survival Models.*

9th Annual Meeting on Current Developments in Cluster Randomised Trials and Stepped Wedge Designs, London, United Kingdom. 2023. Title: *Analysis of Closed-Cohort Stepped-Wedge Cluster-Randomized Trials with Non-Ignorable Dropout via Joint Longitudinal-Survival Models.*

2023 Northern European Stata Conference, Stockholm, Sweden. 2023. Title: *Hierarchical Survival Models: Estimation, Prediction, Interpretation.*

Early Career Biostatisticians Day at the 43rd Annual Conference of the International Society for Clinical Biostatistics, Newcastle upon Tyne, United Kingdom. 2022. Title: *Getting Comfortable with Being Uncomfortable… as an Early-Career Biostatistician.*

43rd Annual Conference of the International Society for Clinical Biostatistics, Newcastle upon Tyne, United Kingdom. 2022. Title: *A Natural History and Copula Based Joint Model for Regional and Distant Breast Cancer Metastasis.*

Internal Biostatistics Seminars, Department of Medical Epidemiology and Biostatistics, Karolinska Institutet, Stockholm, Sweden. 2022. Title: *A Natural History and Copula Based Joint Model for Regional and Distant Breast Cancer Metastasis.*

Faculty Event, Department of Medical Epidemiology and Biostatistics, Karolinska Institutet, Stockholm, Sweden. 2021. Title: *A Practical Tour in the World of Joint Modelling.*

Students Seminar, Department of Medical Epidemiology and Biostatistics, Karolinska Institutet, Stockholm, Sweden. 2021. Title: *A Guided Tour Through Monte Carlo Simulation Studies.*

Young Statisticians' Meeting. 2020. Title: *Natural History Models for Breast Cancer Growth and Spread.*

Internal Epidemiology/Statistics Seminars, Department of Health Sciences, University of Leicester, Leicester, United Kingdom. 2020. Title: *Modelling Breast Cancer Tumour Growth and Metastasis.*

useR! Conference, Toulouse, France. 2019. Title: *Analysing Results from Monte Carlo Simulation Studies Using the rsimsum Package and the INTEREST Shiny App.*

Internal Biostatistics Seminars, Department of Medical Epidemiology and Biostatistics, Karolinska Institutet, Stockholm, Sweden. 2019. Title: *Modelling Longitudinal Electronic Health Records Data with an Informative Observation Process and Drop-Out.*

7th Survival Analysis for Junior Researchers Conference, Leiden, The Netherlands. 2018. Title: *Joint Models for Survival and Longitudinal Data When the Observation Process Is Informative.*

55th ERA-EDTA Congress, Copenhagen, Denmark. 2018. Title: *Optimal Plasma Potassium [K^+] Ranges Across Chronic Kidney Disease Stages: The Stockholm Creatinine Measurements (SCREAM) Project.*

1st Annual Health Sciences Post-Graduate Forum (HeSPoF), Leicester, United Kingdom. 2018. Title: *Version Control Will Save Your Life.*

Internal Epidemiology/Statistics Seminars, Department of Health Sciences, University of Leicester, Leicester, United Kingdom. 2018. Title: *Analysing Longitudinal Data Originating from Electronic Health Records.*

38th Annual Conference of the International Society for Clinical Biostatistics, Vigo, Spain. 2017. Title: *Impact of Model Misspecification in Survival Models with Frailties.*

Statistical Analysis of Multi-Outcome Data Conference, Liverpool, United Kingdom. 2017. Title: *Impact of Model Misspecification in Survival Models with Frailties.*

6th Survival Analysis for Junior Researchers Conference, Leicester, United Kingdom. 2017. Title: *Direct Likelihood Maximisation Using Numerical Quadrature to Approximate Intractable Terms.*

54th ERA-EDTA Congress, Madrid, Spain. 2017. Title: *Inappropriate Prescription of Nephrotoxic Drugs to Individuals with Chronic Kidney Disease: A Community-based Analysis from the Stockholm Creatinine Measurements (SCREAM) Project.*

Poster Presentations

9th EFSPI Regulatory Statistics Workshop, Basel, Switzerland. 2024. Title: *openstatsware: Let's Improve Open-Source Statistical Software Together!*

45th Conference of the International Society for Clinical Biostatistics, Thessaloniki, Greece 2024. Title: *Mediation Analysis with Imperfectly Defined Mediators: A Microsimulation Experiment with Breast Cancer Survival, Socio-Economic Status, and Stage at Diagnosis.*

ISPOR Europe 2023, Copenhagen, Denmark. 2023. Title: *Standardised Contrasts Across Trials in Individual Patient Data Meta-Analysis with Time-to-Event Outcomes.*

Department of Health Sciences Annual Conference, Leicester, United Kingdom. 2018. Title: *Assessing the Course of Organ Dysfunction Using Joint Longitudinal and Time to Event Modelling.*

Department of Health Sciences Annual Conference, Leicester, United Kingdom. 2017. Title: *INTEREST: INteractive Tool for Exploring REsults from Simulation sTudies.*

53rd ERA-EDTA Congress, Vienna, Austria. 2016. Title: *Prevalence, Diagnosis and Nephrology Care of CKD in the Region of Stockholm.*

7th Nordic Conference of Epidemiology and Registry-Based Health Research, Oslo, Norway. 2015. Title: *Association Between Age, Renal Function, Disease Progression, and The Probability of Renal Replacement Therapy Initiation Using Nationwide Data From the Swedish Renal Registry.*

Joint Meeting of the International Biometric Society (IBS), Austro-Swiss and Italian Regions, Milan, Italy. 2015. Title: *A Weighted Form of the Estimator for the Cause-specific Cumulative Incidence Function Can Be Computationally More Efficient Using R.*

Software

I am a proficient R user and developer. I created (and currently maintain) the following R packages:

`rsimsum`, a package used to summarise results from simulation studies and compute Monte Carlo standard errors of commonly used summary statistics (41,793 downloads, RStudio CRAN Mirror logs data);
`comorbidity`, a package used to compute comorbidity scores (86,869 downloads);
`KMunicate`, a package to produce Kaplan–Meier plots in the style recommended following the KMunicate study (19,350 downloads).

These packages are available from the Comprehensive R Archive Network (CRAN). Additionally, I contributed new features and patches to several open-source R packages. Among others:

`merlin`, a package to fit linear, non-linear, and user-defined mixed effects regression models;
`joineRML`, a package for joint modelling of multivariate longitudinal data and time-to-event outcomes;
`rstpm2`, a package to fit generalised survival models;
`flexsurv`, a package to fit flexible parametric survival and multi-state models;
`simsurv`, a package to simulate simple and complex survival data;
`riskRegression`, a package providing a toolbox for assessing and comparing performance of risk predictions models;
`JointFPM`, a package implementing a parametric model for estimating the mean number of events;
`xaringan`, a package to create HTML5 slides with R Markdown and the JavaScript library `remark.js`;
`rticles`, a package with a suite of custom R Markdown formats and templates for authoring journal articles and conference submissions;
`broom`, a package used to summarise key information about statistical objects in tidy tibbles;
`readr`, a package to read flat files into R;
`withr`, a package that implements methods for temporarily modifying global state.

A comprehensive list of my software contributions is available on my GitHub profile, including experimental packages currently under development: https://github.com/ellessenne

Moreover, as part of my employment at Red Door Analytics, I consult on, develop, and contribute code to a variety of projects and statistical packages that are published online on GitHub: https://github.com/RedDoorAnalytics

I am also comfortable with using Stata, version control with Git, HTML/CSS, LaTeX, SQL, and Unix scripting.

Finally, I have a basic understanding and experience of using Make, SAS, Python, C++.

Professional Service

I am a current co-chair of the `openstatsware` working group, a scientific working group in the American Statistical Association (ASA) Biopharmaceutical Section (BIOP), as well as a European Special Interest Group (SIG) sponsored by Statisticians in the Pharmaceutical Industry (PSI) and the European Federation of Statisticians in the Pharmaceutical Industry (EFSPI).

I am currently an associate editor for the journal Biostatistics.

I have reviewed manuscripts for the following journals: *Statistical Methods in Medical Research*, *Biometrical Journal*, *International Journal of Epidemiology*, *Statistica Neerlandica*, *Advances in Statistical Analysis*, *Trials*, *PLOS ONE*, *Statistical Modelling*, *BMC Nephrology*, *Journal of Open Source Software*, *Journal of the American Society of Nephrology*, *Clinical Journal of the American Society of Nephrology*, *American Journal of Respiratory and Critical Care Medicine*.

I have organised a ReproHack event in 2022 for colleagues at the Department of Medical Epidemiology and Biostatistics at Karolinska Institutet. During a ReproHack, participants practice research reproducibility by attempting to reproduce published research of their choice from a list of proposed papers with publicly available associated code and data.

I have been a member of the organising committee for the 1st Health Sciences Post-Graduate Forum (in 2018), a day-long conference organised for post-graduate students at the Department of Health Sciences, University of Leicester, UK.

Teaching

Instructor

Longitudinal Analysis: An Introduction to Concepts, Methods & Software. I independently developed and delivered this course, which provides an overview of concepts, methods, and software for the analysis of longitudinal data, with a strong focus on mixed-effects models. This course was offered by Red Door Analytics, and I have delivered this course in September 2024.

Master Degree in Epidemiology and Biostatistics for Clinical Research. This course is jointly offered by the University of Milan-Bicocca and the Mario Negri Institute for Pharmacological Research. I developed the teaching material, including slides, practical exercises, and test questions, and lectured for the module on survival analysis, which covers fundamental concepts, non-parametric methods, and regression modelling for survival data. I have delivered this module to students in 2019, 2020, and 2022.

Teaching Assistant

Using Simulation Studies to Evaluate Statistical Methods. This course introduces the methodology necessary to plan, run, analyse, and evaluate Monte Carlo simulation studies. It is aimed at both applied and methodological statisticians, and was first developed by Prof. White, Dr. Morris, and Dr. Crowther. I contributed to the teaching material and practical sessions, and I helped delivering the course in July 2018 and November 2019.

Joint Modelling of Longitudinal and Survival Data. This course was offered to participants at the 2018 and 2019 Summer School on Modern Methods in Biostatistics and Epidemiology in Cison di Valmarino, Treviso, Italy. The lead instructor of this course was Dr. Crowther, and I contributed to developing the teaching material and delivering the practical sessions.

Biostatistics III. This course was offered to post-graduate students at Karolinska Institutet; I helped with the practical sessions in 2020 and 2021, and also contributed a lab review in 2021.

Applied Longitudinal Data Analysis. This course was offered to post-graduate students at Karolinska Institutet; I helped with the practical sessions and lab reviews in 2022.

Introduction to Statistics with GraphPad Prism. This course runs every year and it is aimed at post-graduate students of the College of Life Sciences, University of Leicester, without any previous background in Statistics. The lead instructor of this couse was Dr. Hsu, and I helped with the practical sessions.

Biostatistics II. This course is offered to post-graduate students at Karolinska Institutet. The lead instructor of this course was Prof. Bellocco when I helped with the practical sessions in January 2016.

Awards

Voted among best oral presentations at the Young Statisticians Meeting in July 2020.

Voted second best poster presentation at the Department of Health Sciences Annual Conference, in December 2017.

Awarded a scholarship from Istituto Nazionale della Previdenza Sociale (INPS) for academic achievements during my M.Sc. degree in 2016.

Awarded an EXTRA scholarship from University of Milano-Bicocca in 2014 to support a research exchange to Karolinska Institutet, Stockholm, Sweden to work on my M.Sc. dissertation.

Awarded an Erasmus scholarship from the EU and University of Padua in 2011 to spend a semester abroad with the Erasmus programme at the Miguel Hernández University of Elche, Elche, Spain.

References

Available upon request.