Europass Curriculum Vitae

Personal information

Surname / First name	**Dreassi Emanuela**
Address	Dipartimento di Statistica, Informatica, Applicazioni “G. Parenti” (DiSIA), Università degli Studi di Firenze, Viale Morgagni, 59 - I 50134, Florence, Italy
Telephone	+39 055275 1551
Email	emanuela.dreassi@unifi.it
Nationality	
Place and date of birth	

Present appointments

Date	2021 – current
Occupation or position held	Full Professor of Statistics (STAT/01-A)
Name of employer	University of Florence

Previous appointments

Date	2011 – 2021
Occupation or position held	Associate Professor of Statistics (STAT/01-A) – qualified in 2014
Name of employer	University of Florence
Date	2005 – 2011
Occupation or position held	Assistant Professor of Statistics (STAT/01-A) – Permanent Position – qualified in 2008
Name of employer	University of Florence
Date	1999 – 2004
Occupation or position held	Post-Doc Fellow
Name of employer	University of Florence

Education and training

Dates	February 1999
Title of qualification awarded	PhD in Applied Statistics (XI Dottorato di Ricerca)
Name and type of organization providing education and training	University of Florence
Subject of the thesis	PhD Thesis on Edge effect correction methods in Disease Mapping; Title “Metodi di rappresentazione cartografica in epidemiologia geografica: l’effetto confine”; Supervisor: Prof. Annibale Biggeri.
Dates	January 1995
Title of qualification awarded	University degree in Statistical and Economical Sciences, summa cum laude (110/110 e Lode).
Name and type of organization providing education and training	University of Siena
Subject of the thesis	Thesis on Heavy tailed density distributions to represent income distribution; Title “Distribuzioni a code pesanti: genesi, momenti e stima dei parametri”; Supervisor: Prof. Lorenzo Fattorini.

Academic visits

1998 – Dept. of Mathematics, Queensland University, Brisbane, Australia, Prof. Jeoffrey McLachlan

1999 – Freie Universität Berlin, Germany, Prof. Danmark Böhning – Vigoni Program (CRUI) 1998/99

Institutional responsibilities

Date: 2024 – 2028
Role and Institution: Head, Dept. Statistics, Computer Science, Applications, (Direttore del Dipartimento di Statistica, Informatica, Applicazione – DiSIA), University of Florence

Date: 2014 – 2022
Role and Institution: Director, Bachelor Program in *Statistics* (Presidente del Corso di Laurea in Statistica L-41), University of Florence

Date: 2019 – 2022
Role and Institution: Deputy-Director, School of Economics and Management (Vice Presidente della Scuola di Economia e Management), University of Florence

Date: 2017 – current
Role and Institution: Member and from 2018 President, of the Teaching Organization Steering Committee – DiSIA (coordinatore della Commissione temporanea didattica del DiSIA), University of Florence

Others

Date: 2019 – 2022
Role and Institution: Responsible of Learning Agreement – ERASMUS+ International student mobility (responsabile mobilità internazionale) for the Bachelor Program in *Statistics*, University of Florence

Date: 2006 – 2022
Role and Institution: Member of the Study Plan Committee (commissione Piani di Studio) for the Bachelor Programs in *Statistics*, University of Florence

Date: 2008 – 2024
Role and Institution: Quality Assurance System (Responsabile Processo Assicurazione Qualità) for the Bachelor Program in *Statistics*, University of Florence

Date: 2017 – 2019
Role and Institution: Quality Assurance System, Master Program in *Statistics, Actuarial and Financial Sciences*, University of Florence

Date: 2019 – 2022
Role and Institution: Stage Committee (Commissione Tirocini) for the Bachelor Program in *Statistics*, University of Florence

Date: 2012 – 2019
Role and Institution: Joint Teachers-students Committee (Commissione Paritetica Docenti Studenti) for the Bachelor Program in *Statistics*, University of Florence

Date: 2019 – 2022

Role and Institution	Deputy to data analysis for the School of Economics and Management, University of Florence

Teaching activity

Courses for PhD students

Date	from 2014 to 2017
Course	Statistical Inference, *Phd program in Mathematics, Computer Science and Statistics (Statistics Curriculum)*
Institution	University of Florence
Date	2007
Course	Statistical models for spatial data, *PhD program in Applied Statistics*
Institution	University of Florence
Date	2006
Course	MCMC methods for Bayesian Inference, *PhD program in Applied Statistics*
Institution	University of Florence

Courses for graduate and undergraduate students

Date	from 2002/03 to 2023/24
Course	*Spatial Statistics*
Institution	University of Florence
Date	from 2005/06 to 2008/09
Course	*Variance and Covariance Analysis*
Institution	University of Florence
Date	from 2005/06 to 2008/09
Course	*Categorical Data Analysis*
Institution	University of Florence
Date	from 2008/09 to *present*
Course	*Statistics for Experimental Research*
Institution	University of Florence
Date	2008/09, from 2010/11 to 2014/15, from 2016/17 to *present*
Course	*Statistics*
Institution	University of Florence
Date	1999/00
Course	*Management Statistics*
Institution	University of Sassari
Date	2001/02, 2002/03, 2006/07
Course	*Social Statistics*
Institution	University of Florence
Date	2011/12
Course	*Statistical Models*
Institution	University of Florence
Date	from 2004/05 to 2007/08

Course	*Workshop of Applied Statistics II*
Institution	University of Florence
Date	2000/01
Course	*Statistical methods for design and evaluation of services*
Institution	University of Florence
Date	2002/03
Course	*Health Statistics*
Institution	University of Florence and Regione Toscana – CAMPUS project

Others

Date	2001
Courses	*Popolazione e Territorio* in *Eventi morbosi e fattori di rischio* and *Statistical Mapping* in *Modelli e Metodologie Statistiche per l'Ambiente*
Institution	School of the SIS
Date	2005, 2014
Course	*Spatial Statistics*
Institution	Master in Biostatistics – II level – University of Bologna
Date	1999/00, 2001/02
Course	*Statistics*
Institution	Master in Epidemiologia – ISI Foundation – Turin

Supervision of theses

Date	2005 – current
Activity	- Tutor of 1 PhD thesis (XXV Dottorato di Ricerca) and Co-Tutor of 1 PhD thesis (XXI Dottorato di Ricerca) in *Applied Statistics*, University of Florence; - Tutor of 11 master theses, Master Program in *Statistics, Actuarial and Financial Sciences*, University of Florence; - Tutor of about 70 bachelor theses, Bachelor Program in *Statistics*, University of Florence.

Meetings

Organizer	2015 GEOMED 2015, Firenze September 10-12, 2015.
Scientific Committee component	- GEOMED 2015, Firenze, September 10-12, 2015; - Health GIS 2015, Seattle USA November, 3, 2015; - GEOMED 2017, Porto (PT), September, 2017; - GRASPA/TIES 2019, Pescara (Italy), July, 2019.
Local Committee component	- SIS 2017, Firenze June 28-30, 2017
Organizer of sessions	- Session G9 Epidemiology, TIES 2009, Bologna, July 2009; - Session G1 Biostatistics, S.Co 2009, Milano, September 2009; - Session Geomed 2015, Florence, September 2015.

In addition, I usually take part in national and international conferences, by presenting my research papers and by acting as a discussant and/or as a chair.

Invited talks

- Modelli gravitazionali per la valutazione dei servizi sanitari. Un esempio relativo alla mortalità per linfoma di Hodgkin nella Regione Toscana 1971-94. Società Italiana di Statistica (SIS) Processi e metodi statistici di valutazione, Rome 4-6 June 2001 (with Biggeri A);
- Space-time models with time-dependent covariates. Società Italiana di Statistica (SIS) - Statistica e ambiente, Messina 21-23 September 2005 (with Biggeri A, Lagazio C and Catelan D);
- A shared components model to detect uncommon risk factors in disease mapping. Joint Meeting GfKI - Cladag 2010, Florence 8-10 September 2010;
- Poisson M-Quantile Geographically Weighted Regression on Disease Mapping. Spatial 2, Foggia 1-2 September 2011 (with Chambers R and Salvati N);
- Poisson M-Quantile models on Disease Mapping. Cladag 2011, Pavia 7-9 September 2011 (with Chambers R and Salvati N);
- Disease Mapping via negative Binomial M-quantile regression, Geomed 2013, Sheffield (UK) 16-18 September 2013 (with Chambers R and Salvati N);
- Space-time shared models: the lung cancer Tuscany (Italy) 1971-2010 example and some compatibility issues on model specification, Geomed 2015, Florence 10-12 Florence 2015;
- Spatio-temporal models for demographic applications, StaTalks: New challenges in demographic research, Florence February 2017.

Research interests

So far, the main part of my research concerned hierarchical Bayesian models and spatial statistics, with special reference to disease mapping. The methodological advances are connected to the specification and estimation of models in complex frameworks such as: multilevel data, missing data, latent variable models, informative sampling designs. Furthermore, in last years, I also worked on small area estimation, compatibility of conditional distributions and Bayesian predictive inference.
As to the first topics (hierarchical Bayesian models and spatial statistics), methodological work is joined with applications to real data. In a sense, the main problem I faced is how to adapt and develop some existing statistical model in order to solve a specific real problem. The applications usually concern epidemiological studies (e.g., risk of mortality in a particular region) but I also worked with socio-economic data (e.g., relationship between health and socio-economic status or health system evaluation).
As to my recent work, robust methods for small area estimation and compatibility of conditional distributions are problems which occur very often in spatial statistics and/or in a missing data framework. Therefore, to me, it was quite natural to investigate such problems from a more theoretical perspective. Similarly, since prediction is one of the main targets of my previous research, it has been natural to focus on Bayesian predictive inference.
Finally, I briefly mention a further research line, certainly minor but potentially fruitful (and intriguing to me). Indeed, in time, I often cooperated with people coming from non-statistical research areas. Among other applications, I worked on plastic surgery and ophthalmology.
I next describe some of my research topics more specifically.

Disease mapping and hierarchical Bayesian models

The mapping of disease incidence within a given area has long been a significant part of public health and epidemiology. Statistical methods also plays a big role. In fact, to obtain reliable estimates of local disease risk based on counts of observed cases within small regions, and/or to couple such estimates with potentially relevant background information (such as covariates and the number of individuals at risk), is obviously crucial in the disease mapping framework. Estimates are usually obtained through generalized linear mixed models with spatially structured random effects. Or else, other popular methods are based on mixture models. In these two frameworks, I tried to specify some models able to capture the main features of the data.

- *Hierarchical Bayesian spatial models with missing data imputation algorithms.* In disease mapping, information from the neighboring areas is used to improve the estimates for a given area. However, such information is incomplete for those areas at the region boundary, and ignoring this fact could lead to a distortion of the estimates (edge-effect). A general approach to compensate for edge effects under a hierarchical Bayesian model is presented: the out-of-the-border areas are regarded as having missing values. Two algorithms for the imputation of missing data and estimation of relative risks are applied: doubly stochastic EM and Chained Data Augmentation.

- *Space-time hierarchical Bayesian models with time-dependent covariates.* Joint modelling of space-time variation of the disease risk is an important topic. Most of the proposals in this field deal with at most two-time scales (age-period or age-cohort). I propose a hierarchical Bayesian model that can be used as a general framework to jointly study the evolution in time and the spatial pattern of the disease risk. The rates are modelled as a function of purely spatial terms (local effects of risk factors that do not vary in time), time effects (on the three-time axes: age, calendar period and birth cohort) and space-time interactions that describe area-specific time patterns. Furthermore, space-time hierarchical Bayesian models with time-dependent covariates are adopted in order to identify the proper lag time on which diseases are affected by risk-factors.

- *Hierarchical Bayesian spatial gravity models.* The space-time variation of disease risk, taking the closeness and availability of care units into account, is analyzed by a hierarchical Bayesian model in a gravitational formulation. In this way, the pattern of mortality and the attraction exercised by each care units can be evaluated.

- *Geostatistical models.* Model-based geostatistics and Bayesian approaches are useful in the context of veterinary epidemiology when point data come from an appropriate study design. Some Bayesian Gaussian spatial exponential models are specified. In addition, a Bayesian kriging is performed to predict the continuous risk surface of parasite infection on the considered region.

-*Hierarchical Bayesian spatial models with shared and specific random effects.* A statistical model for jointly analysing the spatial variation of incidences of more than two diseases, with common and uncommon risk factors, is introduced. Deaths for different diseases are described by a polytomous logit model. For each area and each confounding strata population (i.e. age-class, sex, race) the probabilities of death for every cause (the response probabilities) are estimated. The log odds are decomposed additively into various random effects, including: shared (common to diseases) terms, specific structured spatial variability terms, unstructured unshared spatial terms, and confounders terms (such as age, race and sex). Disease specific spatially structured effects are also estimated. The latter are considered as latent variables denoting disease-specific risk factors.

Small area estimation, mixture models and M-quantile regression

Small area estimation usually involves the estimation of parameters for small sub-populations, mainly when such sub-populations are included in a larger survey. The term "small area" typically refers to a small geographical area. Various methods adopted in this framework (e.g. random-effects models for aggregate data) are actually similar to those used for disease mapping.
- *Semicontinuous asymmetric models.* I deal with small area estimation in a situation where the target variable has an excess of zero values, a highly skewed distribution of the nonzero values and a spatial trend. A two-part random effects model is suggested. Such a model consists of a logistic random effects model for the probability of nonzero values, and a conditional gamma random effects model for the nonzero response. The model also includes a correlation structure on the area random effects that appears in the two parts. Moreover, to take the spatial structure of the data into account, a bivariate smooth function of the geographical coordinates of the units is included. A hierarchical Bayesian approach is adopted to fit the model. Subsequently, to deal with non negative variables with a point mass in zero (zero-inflated data), a semiparametric Bayesian two-part model is suggested. This model allows to obtain a semiparametric expression for the two parts of the model by using Dirichlet processes.
- *Transitional non-parametric maximum pseudo-likelihood models.* Non-parametric maximum likelihood estimators of relative risk have been proposed in the disease mapping framework. While such estimators are relatively simple, they do not take into account spatial autocorrelation and the EM algorithm could converge to local maxima. Some transitional generalized linear models (i.e. transitional non-parametric maximum pseudo-likelihood estimators) are introduced in the disease mapping framework. The usual kernel likelihood of the mixture models is replaced by the conditional density of the observed response given the observed values in the adjacent areas. Following this route, a spatial structure has been included into the model. The estimation of the parameters is based on the EM algorithm, appropriately modified to estimate the number of components of the mixture and to avoid local maxima.
- *Robust methods for small area estimation.* To obtain robust methods for small area estimation, a few semi-parametric M-quantile regression models are introduced (Poisson and Negative Binomial models). In case of the Negative Binomial models, a spatial structure is considered as well. Hence, the latter model can be also adopted for disease mapping. Furthermore, penalized splines can be included into the model to allow for non-linear effects of covariates.

Compatibility of conditional distributions

Let $X = (X_1, \ldots, X_n)$ be an n-variate random variable. Sometimes, in order to assign the probability distribution of X, one selects the conditional distribution of X_i given $X_{-i} = (X_1, \ldots, X_{i-1}, X_{i+1}, \ldots, X_n)$ for all i, say
$Q_i(\cdot) = P\big(X_i \in \cdot \mid X_{-i}\big)$ for every $i = 1, \ldots, n$.
Here, $Q_1, \ldots, Q_n$ are chosen arbitrarily (the distribution of X is actually unknown). Hence, obviously, it may be that $Q_1, \ldots, Q_n$ are not compatible, in the sense that no joint distribution for X admits $Q_1, \ldots, Q_n$ as conditional distributions. On the contrary, $Q_1, \ldots, Q_n$ are said to be *compatible* if there exists a joint distribution for X having $Q_1, \ldots, Q_n$ as conditional distributions.
Compatibility problems actually arise in a plenty of frameworks, including spatial statistics, statistical mechanics, Gibbs sampling and missing data.
Personally, as I worked on spatial statistics for a long time, I met compatibility problems very often. Therefore, it has been natural to investigate this kind of problems from a more general (methodological) point of view.

Bayesian predictive inference

In a Bayesian framework, to make predictions on a sequence $X_1, X_2, \ldots$ of random observations, the inferrer needs to assign the predictive distributions $\sigma_n(\cdot) = P\big(X_{n+1} \in \cdot \mid X_1, \ldots, X_n\big)$.
Roughly speaking, my approach is to assign σ_n directly, without passing through the usual prior/posterior scheme. One main advantage is that no prior probability is to be assessed. A related advantage is that, when a new observation X_{n+1} becomes available, σ_{n+1} can be obtained by a simple recursive update of σ_n. The data $X_1, X_2, \ldots$ are assumed to be conditionally identically distributed.
To realize the programme sketched above, a class Σ of predictive distributions is introduced and investigated. Such a Σ is rich enough to model various real situations and $X_1, X_2, \ldots$ is conditionally identically distributed if $\sigma_n \in \Sigma$ for each n. Various examples of $\sigma_n \in \Sigma$ are provided. Some of these examples are known and some are new. Among the former, we mention the predictive distributions of Dirichlet sequences, species sampling sequences and generalized Polya urns. Among the latter, we quote various (possibly meaningful) diffuse predictive distributions.
Finally, the asymptotics of X_n and σ_n (as $n \to \infty$) is investigated. Among other things, a stable CLT for X_n is proved. Moreover, under mild assumptions, the weak limit of σ_n is shown to be discrete.

Knockoffs

Recently, I am working on knockoff methodology that can applied to perform variable selection with FDR control. The knockoffs are generated via conditional independence.

Funded research projects and ordered research

Project Coordinator

- Local unit (University of Florence) for PRIN 2006 “Modellazione e analisi statistica dell’impatto e del rischio per fenomeni ambientali con componenti spaziali e temporali”, national coordinator Prof. Alessandro Fassò;
- Third party HORIZON2020: ConcePTION (2019–2024): “Building an ecosystem for better monitoring and communicating safety of medicines use in pregnancy and breastfeeding: validated and regulatory endorsed work flows for fast, optimised evidence generation” (head Agenzia Regionale di Sanità Toscana and University Medical Center Utrecht NL).

Project participant

- PRIN 2004 “Trattamento statistico della complessità e dell’incertezza negli studi ambientali”, national leader Prof. Daniela Cocchi;
- PRIN 2003 “Il contributo della Statistica nello studio dei profili di espressione genica”, national leader Prof. Annibale Biggeri;
- PRIN 2002 “Statistica nel supporto alla decisione ambientale: identificazione, monitoraggio e valutazione di interventi”, national leader Prof. Daniela Cocchi;
- PRIN 2001 “Modelli statistici, micro dati e fonti amministrative: problemi metodologici ed applicazioni in ambito sanitario ed economico-sociale a fini decisionali”, national leader Prof. Enrico Gori;
- PRIN 2000 “Statistica nella valutazione del rischio ambientale”, national leader Prof. Gianfranco Lovison.
- PRIN 1999 “Valutazione della qualità, efficacia ed efficienza nei servizi alla persona con particolare riferimento all’istruzione e alla sanità”, national leader Prof. Enrico Gori;
- PRIN 1998 “Metodi Statistici per l’analisi dell’ambiente e delle interazioni ambiente-salute”, national leader Prof. Gianfranco Lovison.

Other projects

- Studio Longitudinale Toscano – Regione Toscana e Dipartimento di Statistica dell’Università di Firenze from 1999 to 2002;
- European Network on the use of Multilevel Analysis in Public Health (ENUMAPH), University of Glasgow;
- COPERNICUS research unit (centro di ricerca interdipartimentale - responsabile per il DiSIA).

Participant to Researches

Has been participant to researches order by: World Health Organization (WHO), Istituto Superiore di Sanità (ISS), Ministero dell’Ambiente, ARPAT, Regione Toscana, Istituto per lo Studio e la Prenvenzione Oncologica (ISPRO); Agenzia Regionale di Sanità Toscana (ARS Toscana), Unità Sanitaria Territoriale di Mantova, Unità Sanitaria Territoriale di Verona, Camera di Commercio Industria Artigianato e Agricoltura Prato.

Collaborators

Has been alternate member for “Comitato Etico Azienda Ospedaliera e Universitaria di Careggi”.

Additional information

Refereeing activity

Date: 1999 – present

Journals: Biometrics, Biometrical Journal, Journal of the Royal Statistical Society A, Journal of the Royal Statistical Society C, Statistics in Medicine, Statistical Methods in Medical Research, Journal of Statistical Planning and Inference, Journal of Multivariate Analysis, Computational Statistics & Data Analysis, Environmetrics, Statistical Modelling, Statistical Methods & Applications, Stochastic Environmental Research and Risk Assessment, Journal of Official Statistics, Dependence Modeling, International Journal of Health Geographic, Bulletin of the Malaysian Mathematical Sciences Society, Spatial and Spatio-Temporal Epidemiology, International Journal of Environmental Research and Public Health, Advances in Statistical Analysis, Spatial Economic Analysis, Investigative Ophthalmology and visual science, Bulletin of Economic Research, International Journal of Environment and Health, Pakistan Journal of Statistics, Tropical Medicine and Infectious Disease, Genus: Journal of Population Sciences, Remote Sensing, International Journal of Geo-Information, Spatial Demography and BMC Public Health.

Awards: Best 2016 paper for Statistics by "School of Engineering and Information Sciences - University of Wollongong", for: Tzavidis N, Ranalli MG, Salvati N, Dreassi E, Chambers R (2015). Robust small area prediction for counts. *Statistical Methods in Medical Research*, **24**, (3), 373-395.

Member of the following scientific associations: from 1998 The International Biometric Society (IBS) and from 1999 the Società Italiana di Statistica (SIS).

Evaluating activity:

- Expert for SIS (Società Italiana di Statistica) award for best PhD thesis in Applied Statistics 2017;
- Expert for Thesis assessment for Universitat de Valencia (2018): Programa de doctorado en Estadistica y optimizacion;
- Expert for Thesis assessment for Université de Corse (2020): École Doctorale Environnement et société
- PhD enrollment evaluation (XXXV and XXXIX Dottorato di Ricerca in Matematica, Informatica e Statistica);
- PhD final evaluation Commission (XX Dottorato di Ricerca in Statistica Applicata).

Language competences

Mother tongue: Italian

Other language(s): English, French, Spanish

Self-assessment
European level(*)

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	B2 Independent user	B2 Independent user	B2 Independent user	B2 Independent user	B2 Independent user
French	B2 Independent user	B2 Independent user	B2 Independent user	B2 Independent user	B2 Independent user
Spanish	B2 Independent user	B2 Independent user	B2 Independent user	B2 Independent user	B2 Independent user

(*) *Common European Framework of Reference (CEF) level*

Publications

Article

1. Limoncella G, Gini R, Dreassi E, Grilli L, Rampichini C (2024) Addressing bias due to measurement error of an outcome with unknown sensitivity in database epidemiological studies, *American Journal of Epidemiology*, accepted.
2. Innocenti A, Paderi M, Dreassi E (2024) Structural Mastopexy: volume displacement in breast reshaping, *Aesthetic Plastic Surgery*, doi: 10.1007/s00266-024-04415-1.
3. Dreassi E, Leisen F, Pratelli L, Rigo P (2024) Generating knockoffs via conditional independence, *Electronic Journal of Statistics*, **18**, 119–144.
4. Berti P, Dreassi E, Leisen F, Pratelli L, Rigo P (2023) A probabilistic view on predictive constructions for Bayesian learning, *Statistical Science*, to appear.
5. Berti P, Dreassi E, Leisen F, Pratelli L, Rigo P (2023) Bayesian predictive inference without a prior, *Statistica Sinica*, **33**, 2405–2429.
6. Berti P, Dreassi E, Leisen F, Pratelli L, Rigo P (2023) Kernel based Dirichlet sequences, *Bernoulli*, **29**, 1321–1342.
7. Innocenti A, Melita D, Dreassi E (2022) Incidence of complications for different approaches in gynecomastia correction: a systematic review of the literature, *Aesthetic Plastic Surgery*, **46**, 1025–1031.
8. Berti P, Dreassi E, Leisen F, Pratelli L, Rigo P (2022) New perspectives on knockoffs construction, *Journal of Statistical Planning and Inference*, **223**, 1–14.
9. Gagliardini R, Baccini M, Modica S, Montagnani F, Zanelli G, Dreassi E, Di Giambenedetto S, Lombardi F, Pecorari M, Borghi V, Callegaro A, Micheli V, Annovazzi Lodi M, Rossetti B, Zazzi M (2022) Impact of resistance mutations on efficacy of dolutegravir plus rilpivirine or dolutegravir plus lamivudine as maintenance regimens: a cohort study, *Journal of Global Antimicrobial Resistance*, **28**, 274–281.
10. Berti P, Dreassi E, Pratelli L, Rigo P (2021) A class of models for Bayesian predictive inference, *Bernoulli*, **27**, 702–726.
11. Berti P, Dreassi E, Pratelli L, Rigo P (2021) Asymptotics of certain conditionally identically distributed sequences, *Statistics & Probability Letters*, **168**, 1–10.
12. Ghasemi S, Mahaki B, Dreassi E, Aghamohammadi S (2020) Spatial variation of lung cancer mortality and related men-women disparities from 2011 to 2014, *Cancer Management and Research*, **12**, 4615-–4624.
13. Innocenti A, Dreassi E, Vece C, Melita D, Innocenti M (2020) Evaluation of Residual Neuro-Muscular Integrity in the Orbicularis Oculi Muscle After Lower Eyelid Transcutaneous Blepharoplasty According to Reidy Adamson-s Flap, *Aesthetic Plastic Surgery*, 1–7.
14. Berti P, Dreassi E, Rigo P (2020) A notion of conditional probability and some of its consequences, *Decisions in Economics and Finance*, **43**, 3–15.
15. Innocenti M, Santini M, Dreassi E, Martin R, Melita D, Colombini B, Innocenti A (2019) Effects of cutaneous negative pressure application on perforator artery flow in healthy volunteers: a preliminary study, *Journal of Reconstructive Microsurgery*, **35**, 189–193.
16. Caltabiano M, Dreassi E, Rocco E, Vignoli D (2019) A subregional analysis of family change: The spatial diffusion of one-parent families across Italian municipalities, 1991-2011, *Population Space and Place*, **25**, 1–16.
17. Dreassi E (2018) Space-cohort analysis for lung cancer mortality in Tuscany from 1971 to 2010 using shared models: a hypothesis of association for silicosis, *Computational and Mathematical Methods in Medicine*, 1–10.

18. Nasrazadani M, Maracy MR, Dreassi E, Mahaki B (2018) Mapping of stomach, colorectal and bladder cancers in Iran, 2004-2009: Applying Bayesian Polytomous Logit model, *International Journal of Preventive Medicine*, **9**, 1–5.

19. Innocenti A, Mori F, Melita D, Dreassi E, Innocenti M (2017) Effects of orbicularis oculi flap anchorage to the periosteum of the upper orbital rim on the lower eyelid position after transcutaneous blepharoplasty. Statistical analysis of clinical outcomes, *Journal of Plastic, Reconstructive & Aesthetic Surgery*, **70**, 385–391.

20. Dreassi E, Rocco E (2017) A Bayesian semiparametric model for non negative semicontinuous data, *Communications in Statistics - Theory and Methods*, **46**, 5133–5146.

21. Innocenti A, Mori F, Melita D, Dreassi E, Ciancio F, Innocenti M (2017) Evaluation of Long-term Outcomes of Correction of Severe Blepharoptosis with Advancement of External Levator Muscle Complex: Descriptive Statistical Analysis of the Results, *In Vivo*, **31**, 111–115.

22. Dreassi E, Rigo P (2017) A note on compatibility of conditional autoregressive models, *Statistics & Probability Letters*, **125**, 9–16.

23. Innocenti A, Ciancio F, Melita D, Mori F, Portincasa A, Parisi D, Dreassi E, Innocenti M (2017) Periareolar access for Pectus Excavatum correction with silicone implants. A new method to minimize post-operative scars. Review of the literature, considerations and statistical analysis of clinical outcomes, *Aesthetic Plastic Surgery*, **41**, 878–886.

24. Tzavidis N, Ranalli MG, Salvati N, Dreassi E, Chambers R (2015) Robust small area prediction for counts, *Statistical Methods in Medical Research*, **24**, 373–395.

25. Dreassi E, Petrucci A, Rocco E (2014) Small area estimation for semicontinuous skewed spatial data: an application to the grape wine production in Tuscany, *Biometrical Journal*, **56**, 141–156.

26. Berti P, Dreassi E, Rigo P (2014) Compatibility results for conditional distributions, *Journal of Multivariate Analysis*, **125**, 190–203.

27. Dreassi E, Ranalli MG, Salvati N (2014) Semiparametric M-quantile Regression for count data, *Statistical Methods in Medical Research*, **23**, 591–610.

28. Chambers R, Dreassi E, Salvati N (2014) Disease mapping via Negative Binomial regression M-quantile, *Statistics in Medicine*, **33**, 4805–4824.

29. Berti P, Dreassi E, Rigo P (2013) A consistency theorem for regular conditional distributions, *Stochastics*, **85**, 500–509.

30. Biggeri A, Catelan D, Dreassi E (2009) The epidemic of lung cancer in Tuscany (Italy): a joint analysis of male and female mortality by birth cohort, *Spatial and Spatio-temporal Epidemiology*, **1**, 31–40.

31. Dreassi E, Lagazio C, Maule MM, Magnani C, Biggeri A (2008) Sensitivity analysis of the relationship between disease occurrence and distance from putative source of pollution, *Geospatial Health*, **2**, 263–271.

32. Biggeri A, Dreassi E, Lagazio C, Toti S, De Filippo C, Cavalieri D (2008) Hierarchical Bayesian Modelling of Multiple Arrays Experiments, *BioMedical Statistics and Clinical Epidemiology*, **2**, 47–55.

33. Dreassi E, Gottard A (2007) A Bayesian approach to model interdependent event histories by graphical models, *Statistical Methods & Applications*, **16**, 39–49.

34. Dreassi E (2007) Polytomous Disease Mapping to detect uncommon risk factors for related diseases, *Biometrical Journal*, **49**, 520–529.

35. Biggeri A, Catelan D, Dreassi E, Rinaldi L, Musella V, Veneziano V, Cringoli G (2007) Multivariate spatially structured variability of ovine helminth infections, *Geospatial Health*, **2**, 97–104.

36. Biggeri A, Catelan D, Dreassi E, Lagazio C (2006) Statistical methods for geographical surveillance in Veterinary Epidemiology, *Parassitologia*, **48**, 73–76.

37. Catelan D, Biggeri A, Dreassi E, Lagazio C (2006) Space-cohort Bayesian models in ecological studies, *Statistical Modelling*, **6**, 159–173.

38. Biggeri A, Dreassi E, Catelan D, Rinaldi L, Lagazio C, Cringoli G (2006) Disease Mapping in Veterinary Epidemiology: a Bayesian Geostatistical approach, *Statistical Methods in Medical Research*, **15**, 337–352.

39. Biggeri A, Catelan D, Rinaldi L, Dreassi E, Lagazio C, Cringoli G (2005) Statistical modelling of the spatial distribution of prevalence of Calicophoron daubneyi infection in sheep from central Italy, *Parassitologia*, **47**, 157–163.

40. Dreassi E, Biggeri A, Catelan D (2005) Space-time models with time dependent covariates for the analysis of the temporal lag between socioeconomic factors and lung cancer mortality, *Statistics in Medicine*, **24**, 1919–1932.

41. Biggeri A, Bonannini M, Catelan D, Divino F, Dreassi E, Lagazio C (2005) Bayesian Ecological Regression with Latent Factors: Atmospheric Pollutants Emissions and Mortality for Lung Cancer, *Environmental and Ecological Statistics*, **12**, 397–409.

42. Biggeri A, Dreassi E, Marchi M (2004) A Multilevel Bayesian Model for Contextual Effect of Material Deprivation, *Statistical Methods & Applications*, **13**, 89–103.

43. Biggeri A, Catelan D, Dreassi E, Lagazio C, Cringoli G (2004) Modelli statistici per l'analisi spaziale in parassitologia, *Parassitologia*, **46**, 75–78.

44. Biggeri A, Dreassi E, Lagazio C, Böhning D (2003) A Transitional Non–Parametric Maximum Pseudo–Likelihood Estimator for Disease Mapping, *Computational Statistics & Data Analysis*, **41**, 617–629.

45. Lagazio C, Biggeri A, Dreassi E (2003) Age-Period-Cohort Models and Disease Mapping, *Environmetrics*, **14**, 475–490.

46. Dreassi E, Biggeri A (2003) Incorporating gravity model principles into Disease Mapping, *Biometrical Journal*, **45**, 207–217.

47. Dreassi E (2003) A space-time analysis of the relationship between material deprivation and mortality for lung cancer, *Environmetrics*, **14**, 511–521.

48. Lagazio C, Dreassi E, Biggeri A (2001) A Hierarchical Bayesian Model for Space-Time Variation of Disease Risk, *Statistical Modelling*, **1**, 1, 17–29.

49. Dreassi E, Biggeri A, Marchi M, Biti GP (2001) Modelli gravitazionali per la valutazione dei servizi sanitari. Un esempio relativo alla mortalità per linfoma di Hodgkin nella Regione Toscana 1971-94, *Statistica Applicata: Italian Journal of Applied Statistics*, **13**, 211–222.

50. Biggeri A, Marchi M, Dreassi E, Baldi P, Benvenuti A, Merler E (1999) Studio Longitudinale Toscano: un'analisi per quartiere per le città di Firenze e Livorno, *Epidemiologia & Prevenzione*, **23**, 161–174.

51. Merler E, Benvenuti A, Baldi P, Nardulli MC, Olmastroni L, Biggeri A, Marchi M, Dreassi E (1999) Condizione socio-economica e disuguaglianze nella mortalità nello Studio Longitudinale Toscano (SLTo): persistenza ed evoluzione nel tempo (mortalità generale, tumore del polmone, cirrosi epatica), ed aspetti emergenti (AIDS e overdose), *Epidemiologia & Prevenzione*, **23**, 207–214.

52. Dreassi E, Biggeri A (1998) Edge Effect in disease mapping, *Journal of the Italian Statistical Society*, **7**, 267–283.

Chapters of Books

53. Bocci C, Dreassi E, Petrucci A, Rocco E (2020) Small area estimation for skewed semicontinuous spatially structured responses, in Statistical Methods and Applications in Forestry and Environmental Sciences, Chandra G, Nautiyal R, Chandra H (Eds), Singapore, Springer, ISBN: 9789811514753, 241–253.
54. Dreassi E (2013) Shared components models in joint disease mapping: a comparison, in Classification and Data Mining, Giusti, Ritter and Vichi (Eds), Hamburg, Springer, ISBN: 9783642288944, 207–214.
55. Catelan D, Dreassi E, Biggeri A, Lagazio C (2004) Space-time models with time dependent covariates, in *Correlated Data Modelling 2004*, Franco Angeli, ISBN: 9788846489692, 171–182.
56. Lawson A, Biggeri A, Dreassi E (1999) Edge Effects in Disease Mapping, in Disease Mapping and Risk Assessment for Public Health, John Wiley & Sons Ltd, Chichester, ISBN: 9780471986348, 85–98.

Encyclopedia entry

57. Dreassi E (2014) Poisson models. In: Michalos AC (Ed.). Encyclopedia of Quality of Life and Well-Being Research. Springer, Dordrecht, Netherlands: Springer, pp 4848–4850.

PhD Thesis

58. Dreassi E (1999) *Metodi di rappresentazione cartografica in epidemiologia geografica: l'effetto confine*, Tesi di Dottorato in Statistica Applicata, Università degli Studi di Firenze.

Book

59. Vigotti MA, Biggeri A, Dreassi E, Protti MA, Cislaghi C (2001) *Atlante della mortalità in Toscana dal 1971 al 1994*, Edizioni Plus, Università di Pisa.

Editorial

60. Biggeri A, Dreassi E, Lagazio C, Marchi M (2004) *Statistical Modelling - Proceeding of the 19th International Workshop on Statistical Modelling*, Firenze University Press, Firenze.

61. Tesi G, Grassini L, Dreassi E, Giannelli M, Lunardi M, Giovannini D, Geppi M (2000) *Maggiori consumi di tessuto impiegato nella confezione di abbigliamento causati da difetti locali o da altezze utili inferiori allo standard*, Centro Qualità Tessile Soc. Coop. R.L. - Prato, Camera di Commercio Industria Artigianato e Agricoltura Prato.

62. Bargigli L, Cioni M, Marullo C, Mori P, Stefanini D, Vannuccini G, Vasta M, Dreassi E, Mencarini L (2002) *Information and Communication Technologies*, Collana Lavoro - Studi Ricerche 25, Regione Toscana, Giunti.

63. Biggeri A, Gorini G, Dreassi E, Lisi C, Kalala N (2002) SLTo - Studio Longitudinale Toscano: Condizione socio-economica e mortalità in Toscana, *Supplemento n. 25 a Informazioni Statistiche - Mensile della Giunta Regionale Toscana*.

64. Biggeri A, Gorini G, Dreassi E, Kalala N, Lisi C (2001) *Condizione socio-economica e mortalità in Toscana*, Studi e Ricerche, n. 7, Edizioni Regione Toscana, Centro Stampa Giunta Regionale, Firenze.

65. Benvenuti A, Dreassi E (2000) Analisi socio-sanitaria della popolazione nei quartieri del comune di Firenze, *Supplemento n. 8a a Informazioni Statistiche - Mensile della Giunta Regionale Toscana*.

66. Benvenuti A, Dreassi E (2000) Analisi socio-sanitaria della popolazione nelle circoscrizioni del comune di Livorno, *Supplemento n. 9a a Informazioni Statistiche - Mensile della Giunta Regionale Toscana*.

Proceedings

67. Beraldi F, Gini R, Dreassi E, Grilli L, Rampichini C (2020) Combining multiple sources to overcome misclassification bias in epidemiological database studies, in Book of short papers - SIS2020, 751–754.

68. Giambona F, Dreassi E, Magrini A (2018) Tourism attractiveness in Italy. Some empirical evidence comparing origin-destination flows, in 49th Scientific meeting of the Italian Statistical Society, Pearson, 1–6.

69. Caltabiano M, Dreassi E, Rocco E, Vignoli D (2015) Clustering Italian Families across Population Censuses: A space-time exploration, SIS 2015, Treviso.

70. Dreassi E (2015) Space-Time Shared Models: Some Compatibility Issues On Model Specification, in Proceedings GEOMED2015, September, Florence.

71. Chambers R, Dreassi E, Salvati N (2013) Disease mapping via M-quantile models, in Proceedings GEOMED2013, 16-18 September, Sheffield (UK).

72. Tzavidis N, Ranalli MG, Salvati N, Dreassi E, Chambers R (2013). Exploring the Use of Asymmetric Maximum Likelihood, Quantile & M-quantile Models for Semi-Parametric Small Area Estimation of Count Outcomes, in Proceeding Graybill Workshop, 9-12 June, Fort Collins, Colorado.

73. Ranalli MG, Salvati N, Tzavidis N, Dreassi E (2012) Small area estimates of counts using M-quantile Poisson regression models, in Book of Abstract ERCIM 2012, Oviedo, Spain.

74. Chambers R, Dreassi E, Salvati N (2011) Poisson M-Quantile Geographically Weighted Regression on Disease Mapping, in Spatial 2.

75. Chambers R, Dreassi E, Salvati N (2011) Poisson M-Quantile models on Disease Mapping, in Cladag 2011, ISBN: 978-88-906639.

76. Dreassi, E (2010) A shared components model to detect uncommon risk factors in disease mapping, in Book of Abstracts - Joint Meeting GfKI - CLADAG 2010, 8-10 September Firenze, 81–82.

77. Biggeri A, Catelan D, Dreassi E, Lagazio C, Musella V, Rinaldi L, Cringoli G (2008) Covariates selection in multivariate spatial analysis of ovine parasitic infections, in Statistics for Spatio-Temporal Modelling, in Proceedings of the Forth International Workshop on Spatio-Temporal Modelling (METMA 4), 11–18.

78. Biggeri A, Catelan D, Dreassi E (2007) Epidemiologic surveillance and impact evaluation, in Atti del Convegno intermedio della Società Italiana di Statistica (SIS) - Rischio e Previsione - Sessioni Specializzate, 205–215, Cleup.

79. Dreassi E, Catelan D, Serci A, Biggeri A (2007) Bayesian spatial prediction of gaseous air pollutants exposure for epidemiological applications, in S.Co.2007 Fifth Conference - Complex Models and Computational intensive methods for estimation and prediction - Book of short papers, 187–192.

80. Dreassi E, Catelan D, Biggeri A, Lagazio C (2006) Modeling issues in Bivariate Disease mapping, in Atti della XLIII Riunione Scientifica della Società Italiana di Statistica (SIS), Torino, 99–102.

81. Biggeri A, Catelan D, Dreassi E, Lagazio C, Rinaldi L, Cringoli G (2006) Multivariate spatially structured variability of ovine parasitic infections, in International workshop on spatio-temporal modelling (METMA3), 77–80.

82. Dreassi E, Biggeri A, Catelan D, Lagazio C (2005) Space-time models with time dependent covariates, in *Atti del Convegno intermedio della Società Italiana di Statistica (SIS) - Statistica e ambiente - Invited papers*, Cleup, Messina, 97–108.

83. Biggeri A, Dreassi E, Lagazio C, Marchi M (2004) Bayesian Focused clustering for a case-control study on Lung Cancer in Trieste, in *Statistical Modelling - Proceeding of the 19th Internalional Workshop on Statistical Modelling (IWSM)*, Firenze University Press, Firenze, 91–95.

Proocedings

84. Catelan D, Dreassi E, Biggeri A, Lagazio C (2004) Space-time models with time dependent covariates, *Atti del convegno "Workshop on correlated data modelling - Common ideas in Biometrics and Econometrics"*.

85. Catelan D, Dreassi E, Biggeri A (2003) The analysis of the temporal lag between socio-economic factors and lung cancer mortality, in *Atti del convegno 5^{th} Congresso della società italiana di Biometria / Regione Italiana della International Biometric Society 2003*.

86. Lagazio C, Biggeri A, Dreassi E, Cavalieri D (2003) A Hierarchical Bayesian model to study temperature-dependent variation of sequence-specific hybridization to cDNA Microarray, in *Atti del Convegno intermedio della Società Italiana di Statistica (SIS) - Analisi Statistica Multivariata per le scienze economico-sociali le scienze naturali e la tecnologia - sessioni invitate e specializzate*, RCE Edizioni, Napoli, 111–115.

87. Lagazio C, Biggeri A, Dreassi E, Böhning D (2003) Evaluation of uncertainty in NPML estimation for disease mapping, in *Modelli complessi e metodi Computazionali intensivi per la stima e la previsione - Atti del convegno S.Co.2003*, 253–258.

88. Dreassi E, Gottard A (2003) A Bayesian approach to model interdependent event histories by graphical models, in *Modelli complessi e metodi Computazionali intensivi per la stima e la previsione - Atti del convegno S.Co.2003*, 182–187.

89. Biggeri A, Dreassi E (2002) Mortality and material deprivation: a space-time analysis, in *Prooceding of XXIth International Biometric Conference 2002 (IBC2002)*.

90. Dreassi E, Biggeri A (2002) Space-time analysis of the relationship between material deprivation and mortality, atti del convegno della *XXVI Riunione Annuale dell'AIE (Associazione Italiana di Epidemiologia)* tenutasi a Napoli, dal 24 al 26 Settembre 2002.

91. Dreassi E (2002) Mortality and material deprivation: a space-time analysis, in *Atti della XLI Riunione Scientifica della Società Italiana di Statistica (SIS)*, Cleup, Milano, 259–262.

92. Spadea T, Costa G, Biggeri A, Dreassi E (2001) A Multilevel Bayesian Model for Contextual Effect of Material Deprivation on Italy, in *Proceeding of the Societies, Individuals and Populations, joint conference of the Society for Social Medicine and the International Epidemiological Association*.

93. Dreassi E, Biggeri A (2001) Disease mapping and attraction models for health planning, in *Proceedings of the Austrian-Swiss Region of the International Biometrics Society - Die Region Österreich-Schweiz (ROeS)*.

94. Biggeri A, Dreassi E, Biti GP (2001) Modelli gravitazionali per la valutazione dei servizi sanitari. Un esempio relativo alla mortalità per linfoma di Hodgkin nella Regione Toscana 1971-94, in *Atti del Convegno Intermedio della Società Italiana di Statistica (SIS) - Processi e metodi statistici di valutazione - sessioni plenarie, specializzate, satellite*, CISU, Roma, 139–146.

95. Dreassi E, Biggeri A (2001) A Multilevel Bayesian Model for Contextual Effect of Material Deprivation on mortality, in *Modelli complessi e metodi Computazionali intensivi per la stima e la previsione - Atti del convegno S.Co.2001*, Cleup editrice, Padova, 151–156.

96. Lagazio C, Biggeri A, Dreassi E (2001) Age-period-cohort models and Disease Mapping, in *Modelli complessi e metodi Computazionali intensivi per la stima e la previsione - Atti del convegno S.Co.2001*, Cleup editrice, Padova, 93–98.

Proocedings

97. Lagazio C, Dreassi E, Biggeri A (2001) Age-period-cohort models and Disease Mapping, in *Proceeding of The International Environmetrics Society Conference TIES 2001: Environmetrics for Decision Making*, Portland (Oregon, USA), 13-17 August.

98. Biggeri A, Dreassi E, Lagazio C (2001) Non-parametric maximum likelihood approaches in descriptive epidemiology, in *Proceeding of Mixtures 2001 Conference - Recent Developments in Mixture Modelling*, Hamburg, 23-28 July, 8.

99. Martuzzi M, Biggeri A, Dreassi E, Marchi M, Bertollini R (2000) The Contextual Effect of Material Deprivation, *Epidemiology*, **11**, 4, S125 (Meeting Abstract: 429).

100. Lagazio C, Dreassi E, Biggeri A (2000) Un modello bayesiano gerarchico per la stima delle variazioni spazio-temporali del rischio di malattia, in *Atti della XL Riunione Scientifica della Società Italiana di Statistica (SIS)*, Firenze, 711–713.

101. Biggeri A, Dreassi E, Marchi M, Martuzzi M, Bertollini R (2000) Material Deprivation and its health effects, *Atti della XXIV Riunione Annuale dell'Associazione Italiana di Epidemiologia (AIE)*, 53.

102. Biggeri A, Dreassi E, Marchi M, Martuzzi M, Bertollini R (2000) The Contextual Effect of Material Deprivation, *Proceeding of the 21st Meeting of the International Society for Clinical Biostatistics (ISCB)*, 54.

103. Costa G, Spadea T, Biggeri A, Marchi M, Dreassi E, Martuzzi M (2000) Deprivation and mortality: a deprivation index suitable for geographical analysis of inequalities, *Proceedings of the International Conference on Reducing Social Inequalities in Health*, Copenhagen 27-29th september, 5.

104. Lagazio C, Dreassi E, Biggeri A (2000) A Hierarchical Bayesian Model for Space-Time Variation of Disease Risk, in *Statistical Modelling - Proceeding of the* 15^{th} *International Workshop on Statistical Modelling (IWSM)*, Núnez-Antón and Ferreira (Eds), The University of the Basque Country, 230–235.

105. Dreassi E, Biggeri A (1999) Edge Effect in disease mapping, in *American Statistical Association (ASA) 1999 Proceedings (of the Biometrics section)*, Baltimore (USA), 111–116.

106. Vigotti MA, Biggeri A, Dreassi E, Baccini M, Marchi M, Cislaghi C, Bianchi F (1999) Atlas of Mortality in Tuscany 1971-1994, *Proceeding of the XV International Scientific Meeting of the International Epidemiological Association (IEA): Epidemiology for Sustainable Health*, 200.

107. Dreassi E, Biggeri A, Merler E, Marchi M, Benvenuti A, Olmastroni L, Nardulli MC, Baldi P (1999) Tuscany Longitudinal record-linkage study (1981-1995), *Proceeding of the XV International Scientific Meeting of the International Epidemiological Association (IEA): Epidemiology for Sustainable Health*, 45.

108. Dreassi E, Biggeri A (1998) Metodi di correzione per l'effetto confine nella mappatura del rischio di malattia in Epidemiologia geografica, in *Atti della XXXIX Riunione Scientifica della Società Italiana di Statistica (SIS)*, Rocco Curto Editore, Napoli, 389-396.

109. Dreassi E, Pratelli L, Rigo P (2024) Knockoffs for exchangeable categorical covariates, *arXiv:2410.09835*.

110. Dreassi E, Leisen F, Pratelli L, Rigo P (2022) Generating knockoffs via conditional independence, *arXiv: 2212.09398*.

111. Berti P, Dreassi E, Leisen F, Pratelli L, Rigo P (2022) A predictive approach to Bayesian forecasting, *arXiv: 2208.06785*.

112. Berti P, Dreassi E, Leisen F, Pratelli L, Rigo P (2021) Kernel based Dirichlet sequences, *arXiv: 2106.00114*.

113. Berti P, Dreassi E, Leisen F, Pratelli L, Rigo P (2021) Bayesian predictive inference without a prior, *arXiv: 2104.11643*.

114. Berti P, Dreassi E, Leisen F, Pratelli L, Rigo P (2021) New perspectives on knockoffs construction, *arXiv: 2104.07752*.

115. Ghasemi S, Dreassi E, Aghamohammadi S, Mahaki B (2020) Mapping Spatial Variation of The Stomach, Esophageal and Lung Cancers and Their Shared Risk Factors in Iran at a County Level, *Research Square: 10.21203/rs.3.rs-59536/v1*.

116. Caltabiano M, Dreassi E, Rocco E, Vignoli D (2017) A subregional space-time exploration of family change: Italian municipalities, 1991-2011, *Working Papers Elettronici del Dipartimento di Statistica "G. Parenti" dell'Università degli Studi di Firenze 2017/03*.

117. Dreassi E, Rocco E (2014) A Bayesian semiparametric model for semicontinuous data, *arXiv: 1408.3027*.

118. Tzavidis N, Ranalli MG, Salvati N, Dreassi E, Chambers R (2013) Poisson M-quantile regression model in small area estimation, *Working Paper 14-2013 The University of Wollongong, Australia*.

119. Chambers R, Dreassi E, Salvati N (2013) Disease Mapping via Negative Binomial Regression M-quantiles,*arXiv: 1310.3403*.

120. Dreassi E, Petrucci A, Rocco E (2012) Small area estimation for semicontinuous skewed georeferenced data, *Working Papers Elettronici del Dipartimento di Statistica "G. Parenti" dell'Università degli Studi di Firenze 2012/05*.

121. Chambers R, Dreassi E, Salvati N (2012) Disease Mapping via M-Quantile models, *Working Papers Elettronici del Dipartimento di Statistica "G. Parenti" dell'Università degli Studi di Firenze 2012/06*.

122. Berti P, Dreassi E, Rigo P (2012) Compatibility results for conditional distributions, *Working Papers Elettronici del Dipartimento di Statistica "G. Parenti" dell'Università degli Studi di Firenze 2012/08*.

123. Dreassi E (2010) Shared component models in joint disease mapping: a comparison via a simulation experiment, *Working Papers Elettronici del Dipartimento di Statistica "G. Parenti" dell'Università degli Studi di Firenze 2010/12*.

124. Dreassi E, Petrucci A, Rocco E (2008) Space-Time prediction in agricultural data, *Working Papers Elettronici del Dipartimento di Statistica "G. Parenti" dell'Università degli Studi di Firenze 2008/08*

125. Dreassi E (2006) Polytomous Disease Mapping to detect uncommon risk factors for related diseases, *Working Papers Elettronici del Dipartimento di Statistica "G. Parenti" dell'Università degli Studi di Firenze 2006/05*.

126. Biggeri A, Dreassi E, Catelan D, Lagazio C, Rinaldi L, Cringoli G (2006) Disease mapping in veterinary epidemiology: a Bayesian geostatistical approach, *Note di ricerca del Dipartimento di Statistica dell'Università di Udine*, 03.06.

127. Catelan D, Biggeri A, Dreassi E, Lagazio C (2005) Space-Cohort Bayesian models in ecological studies, *Note di ricerca del Dipartimento di Statistica dell'Università di Udine*, 06.05.

Working Papers

128. Biggeri A, Bonannini M, Catelan D, Divino F, Dreassi E, Lagazio C (2004) Bayesian ecological regression with latent factors: atmospheric pollutants emissions and mortality for lung cancer, *Note di ricerca del Dipartimento di Statistica dell'Università di Udine*, 05.04.

129. Biggeri A, Cavalieri D, Dreassi E, Lagazio C, Toti S (2004) Hierarchical Bayesian Modelling of Multiple Arrays Experiments, *Note di ricerca del Dipartimento di Statistica dell'Università di Udine*, 11.04.

130. Dreassi E (2002) A Space-Time analysis of the relationship between Socioeconomic factors and Mortality for Lung Cancer, *Working Papers Elettronici del Dipartimento di Statistica "G. Parenti" dell'Università degli Studi di Firenze 2002/04*.

131. Biggeri A, Dreassi E, Marchi M (2001) A multilevel Bayesian model for contextual effect of material deprivation, *Working Papers n. 89 del Dipartimento di Statistica "G.Parenti" dell'Università degli Studi di Firenze*.

132. Biggeri A, Dreassi E, Lagazio C, Böhning D (2001) Transitional Non-Parametric Maximum Likelihood Estimators in Disease Mapping, *Working Papers n. 94 del Dipartimento di Statistica "G. Parenti" dell'Università degli Studi di Firenze*.

133. Dreassi E, Biggeri A (1999) Edge Effect in Disease Mapping, *Working Papers n. 80 del Dipartimento di Statistica "G. Parenti" dell'Università degli Studi di Firenze*.

Firenze, November 29th, 2024

Emanuela DREASSI