

**Curriculum Vitae**  
(aggiornato al 20/07/2020)

### Informazioni Personali

*Nome e Cognome:* Maria Franco Villoria

*Data di Nascita:* 4/10/84

*Nazionalità:* Spagnola

*Email:* [maria.francovilloria@unimore.it](mailto:maria.francovilloria@unimore.it)

### Formazione ed Esperienza Professionale

- Dicembre 2019-Oggi: **Ricercatore a Tempo Determinato Tipo B**. Dipartimento di Economia "Marco Biagi", Università di Modena e Reggio Emilia, Italia.
- 15 Giugno 2018-Novembre 2019: **Ricercatore a Tempo Determinato Tipo A**. Dipartimento di Economia e Statistica "Cognetti de Martiis", Università di Torino, Italia.
- Luglio 2013-14 Giugno 2018: **Assegnista di Ricerca**, Dipartimento di Economia e Statistica "Cognetti de Martiis", Università di Torino, Italia.
- Febbraio 2013-Giugno 2013: **Postgraduate Research Assistant**, School of Mathematics and Statistics, University of Glasgow, UK.
- Ottobre 2012-Gennaio 2013: **Graduate Teaching Assistant**, School of Mathematics and Statistics, University of Glasgow, UK.
- Ottobre 2008-Febbraio 2013: **Dottorato in Statistica**, School of Mathematics and Statistics, University of Glasgow, UK.

*Tesi di dottorato:* Temporal and Spatial Modelling of Extreme River Flow Values in Scotland

*Supervisor:* Prof. Marian Scott, Prof. Trevor Hoey (School of Geographical and Earth Sciences) and Prof. Denis Fischbacher-Smith (Business School).

- Ottobre 2007-Settembre 2008: **MSc by Research**, School of Mathematics and Statistics, University of Glasgow, UK.

*Tesi:* Statistical Modelling of Body Composition in Children and their Parents  
*Supervisor:* Prof. John McColl and Prof. Charlotte Wright (College of Medical, Veterinary and Life Sciences)

- Settembre 2002-Giugno 2007: **Laurea Magistrale in Matematica (5 anni)**. Università di Salamanca, Spagna.
- Settembre 2005-Giugno 2007: **Laurea Triennale in Statistica (3 anni)**. Università di Salamanca, Spagna.
- Settembre 2005-Giugno 2006: **Periodo di studio all'estero (Erasmus)**. School of Mathematics and Statistics, University of Glasgow, UK

### ASN

- 13/D1-Statistica, seconda fascia (dal 19/06/2020 al 19/06/2029)

## Publicazioni

- **Franco-Villoria M**, Ventrucci M, Rue H (2019) A unified view on Bayesian varying coefficient models. *Electronic Journal of Statistics*, 13 (2), 5334-5359
- **Franco-Villoria M**, Ignaccolo R (2019) Universal, Residual and External Drift Functional Kriging. In: Mateu J, Giraldo R (eds.) *Geostatistical Functional Data Analysis: Theory and Methods*. Wiley. ISBN: 978-1-119-38784-8 (in stampa)
- **Franco-Villoria M** (2019) Variogram. *Wiley StatsRef: Statistics Reference Online*. DOI: 10.1002/9781118445112.stat07792.pub2 (in stampa)
- **Franco-Villoria M**, Scott M, Hoey T (2018) Spatio-temporal modelling of hydrological return levels. A quantile regression approach. *Environmetrics*. DOI: 10.1002/env.2522
- Bakka HC, Castro-Camilo D, **Franco-Villoria M**, Freni-Sterrantino A, Huser RG, Opitz T, Rue H (2018) Discussion of “Using Stacking to Average Bayesian Predictive Distributions” by Yao et. al. *Bayesian Analysis*, 13, 917-1003
- **Franco Villoria M**, Ignaccolo R (2017) Bootstrap based uncertainty bands for prediction in functional kriging. *Spatial Statistics* 21, 130-148. DOI: 10.1016/j.spasta.2017.06.005
- Bruno F, Cameletti M, **Franco-Villoria M**, Greco F, Ignaccolo R, Ippoliti L, Valentini P, Ventrucci M (2016) A survey on ecological regression for health hazard associated with air pollution. *Spatial Statistics*. DOI: 10.1016/j.spasta.2016.05.003
- **Franco-Villoria M**, Wright CM, McColl, JH, Sherriff A, Pearce MS and the Gateshead Millennium Study core team (2016) Assessment of adult body composition using bioelectrical impedance: comparison of researcher calculated to machine outputted values. *BMJ Open*, 6(1): E008922. DOI: 10.1136/bmjopen-2015-008922
- Elayouty A, Scott M, Miller C, Waldron S, **Franco-Villoria M** (2016) Challenges in modeling detailed and complex environmental data sets: a case study modeling the excess partial pressure of fluvial CO<sub>2</sub>. *Environmental and Ecological Statistics*, 23(1): 65-87. DOI 10.1007/s10651-015-0329-4
- Ignaccolo R, **Franco-Villoria M**, Fassò A (2015) Modelling collocation uncertainty of 3D atmospheric profiles. *Stochastic Environmental Research and Risk Assessment*, 29(2): 417-429. DOI 10.1007/s00477-014-0890-7
- Fassò A, Ignaccolo R, Madonna F, Demoz B, **Franco-Villoria M** (2014) Statistical modelling of collocation uncertainty in atmospheric thermodynamic profiles. *Atmospheric Measurement Techniques* 7: 1803-1816
- **Franco Villoria M**, Scott EM, Hoey T, Fischbacher-Smith D (2012) Temporal investigation of flow variability in Scottish rivers using wavelet analysis. *Journal of Environmental Statistics*, 3 (6): 1-20
- Pearce MS, James, PW, **Franco Villoria M**, Parkinson KN, Jones AR, Basterfield L, Drewett RF, Wright CM, Adamson AJ, Gateshead Millennium Study core team (2013) Creation of a childhood adiposity index for children aged 6-8 years: The Gateshead Millennium Study. *BioMed Research International*, Volume 2013, Article ID 431825
- Wright CM, Cox KM, Sherriff A, **Franco Villoria M**, Pearce MS, Adamson AJ, Gateshead Millennium Study core team (2012) To what extent do weight gain and eating avidity during infancy predict later adiposity? *Public Health Nutrition*, 15(4):656-662

## Working Papers

- **Franco-Villoria M**, Ventrucci R, Rue H (2018) Bayesian varying-coefficient models using PC priors. *ArXiv 1806.02084*
- Marmai N, **Franco-Villoria M**, Guerzoni M (2016) How the Black Swan damages the harvest: statistical modelling of extreme events in weather and crop production in Africa, Asia, and Latin America. *BRICK WP 08/2016*. ISSN: 2039-4004

## Presentazioni a convegni internazionali (senza proceedings)

- **Franco-Villoria M**, Ventrucci M, Rue H (2019) Prior specification for the functional linear regression model. Final Cronos Meeting & Workshop on Multivariate Data Analysis Limassol, Cipro, 14-16 April 2019. **Relazione invitata**
- **Franco-Villoria M**, Ventrucci M, Rue H (2018) Constructing priors for functional linear regression models. 49<sup>th</sup> Meeting of the Italian Statistical Society (SIS2018), Palermo, 20-22 June 2018. **Relazione invitata**
- **Franco-Villoria M**, Ignaccolo R, Scott M (2017) Quantile regression for functional data: a PIRLS approximation. Fourth International Workshop on Functional and Operatorial Statistics (IWFOS), A Coruña (Spain), 15-17 June 2017. *Poster*
- **Franco-Villoria M**, Ignaccolo R, Scott M (2016) *Quantile regression for functional data*. Satellite CRoNoS Workshop on Functional Data Analysis, Oviedo, Spain, 26-28 August 2016. **Relazione invitata**
- **Franco-Villoria M**, Ignaccolo R, Scott M (2016) *Quantile regression for functional data*. 26th Annual Conference of The International Environmetrics Society (TIES) Edinburgh, UK. July 2016. **Relazione invitata**
- **Franco-Villoria M**, Ignaccolo R (2013) Uncertainty evaluation in functional kriging with external drift. Functional and Complex Structure Data Analysis, ECAS 2013. Castro Urdiales, Spain, 17-21 September. *Relazione orale*
- **Franco Villoria M**, Scott M, Hoey T, Fischbacher-Smith D. (2012) Extreme river flow dependence in Northern Scotland. European Geosciences Union (EGU) General Assembly, Vienna, Austria. April 2012. *Poster*
- **Franco Villoria M**, Scott M, Hoey T, Fischbacher-Smith D (2011) Spatial Analysis of Flood Risk in Scotland. 1st Conference on Spatial Statistics - Mapping Global Change, University of Twente, Enschede, The Netherlands. March 2011. *Poster*
- **Franco Villoria M**, Scott M, Hoey T, Fischbacher-Smith D (2010) Análisis de wavelets aplicado al estudio de la variabilidad de los ríos escoceses. Primer Congreso de Jóvenes Investigadores en Estadística (JEDE), Toledo, Spain. November 2010. *Relazione orale*
- **Franco Villoria M**, Scott M, Hoey T, Fischbacher-Smith D (2009) Approaches to modelling long river flow time series. 20th Annual Conference of The International Environmetrics Society (TIES) Bologna, Italy. July 2009. *Relazione orale*

**Presentazioni a convegni internazionali e proceedings**  
(lavori presentati dal primo autore)

- **Franco-Villoria M**, Scott M, Hoey H (2019) Spatio-temporal analysis of extreme river flow. Proceedings of the GRASPA 2019 Conference. Pescara, 15-16 July 2019. Pages 90-92 ISBN 978-88-97413-34-9 ISSN 2037-7738
- **Franco-Villoria M**, Ventrucci M, Rue H (2019) Prior specification in flexible models. Smart Statistics for Smart Applications, Book of Short Papers SIS 2019. Milan 18-21 June 2019. Pages 885-888 ISBN 9788891915108
- **Franco-Villoria M**, Ventrucci M, Rue H (2018) Constructing priors for varying coefficient models. Proceedings of the 11<sup>th</sup> International Conference of the ERCIM WG on Computational and Methodological Statistics (CMStatistics 2018), Pisa, 14-16 December 2018. Page 25. ISBN 978-9963-2227-5-9 **Relazione invitata**
- **Franco-Villoria M**, Ventrucci M, Rue H (2018) Varying coefficient models for areal data. Proceedings of the IX International Workshop on Spatio-Temporal Modelling (METMAIX), pp 119-120, Montpellier, France, 13-15 June 2018. *Poster*
- Ventrucci, M, **Franco-Villoria M**, Rue H (2017) Penalized complexity priors for varying coefficient models. Proceedings of the 32<sup>nd</sup> International Workshop on Statistical Modelling (IWSM), pp 212-216, Groningen (Netherlands), 2-7 July 2017.
- **Franco-Villoria M**, Ventrucci M, Rue H (2017) Penalized complexity priors for varying coefficient models. Joint TIES-GRASPA meeting on Climate and Environment, Bergamo, 24-26 July 2017. ISSN 2037-7738. *Poster*
- Ignaccolo R, Bande S, **Franco-Villoria M**, Giunta A (2017) Data Fusion for Functional Data. Joint TIES-GRASPA meeting on Climate and Environment, Book of Abstracts of the 27th Annual Conference of The International Environmetrics Society joint with Biennial GRASPA Conference (GRASPA WORKING PAPERS ISSN 2037-7738), Bergamo, 24-26 July 2017. Page 42, ISSN 2037-7738
- Quarello A, Ignaccolo R, **Franco-Villoria M**, Coppa G, Merlone A (2017) Experimental Evaluation of Temperature Uncertainty Components due to Siting Condition with respect to WMO Classification. Joint TIES-GRASPA meeting on Climate and Environment, Book of Abstracts of the 27th Annual Conference of The International Environmetrics Society joint with Biennial GRASPA Conference (GRASPA WORKING PAPERS ISSN 2037-7738), Bergamo, 24-26 July 2017. Pages 99-100, ISSN 2037-7738
- **Franco-Villoria M**, Scott M (2017) *Quantile regression for functional data*. Italian Statistical Society Conference. Statistics and Data Science: new challenges, new generations, Firenze, 28-30 June 2017. ISBN 978-88-6453-521-0. **Relazione invitata**
- Ignaccolo R, **Franco-Villoria M** (2016) Functional Kriging Uncertainty Assessment. Proceedings of SIMAI 2016, The XIII Biannual Congress of SIMAI, 13-16 September 2016, Milan (Italy). Pages 566-570. ISBN 978-88-6493-035-0
- Fassò A, **Franco-Villoria M**, Ignaccolo R (2015) A model for collocation uncertainty of atmospheric profiles. Proceedings of the 60th World Statistics Congress of the International Statistical Institute (ISI2015) Rio di Janeiro, 26-31 July 2015. ISBN - 978-90-73592-35-3
- Ignaccolo R, **Franco-Villoria M** (2015) Uncertainty evaluation for functional

- kriging: an application to the Canadian temperature data set. Proceedings of the 60th World Statistics Congress of the International Statistical Institute (ISI2015) Rio di Janeiro, 26-31 July 2015. ISBN - 978-90-73592-35-3
- **Franco-Villoria M**, Ignaccolo R, Fassò A, Madonna F, Demoz BB (2015) Collocation uncertainty in climate monitoring, in: A. Fassò and A. Pollice (Editors). Proceedings of the GRASPA2015 Conference, Bari, 15-16 June, 2015. Special issue of GRASPA Working Papers. ISSN 2037-7738. *Relazione invitata*
  - Berchiolla P, Blangiardo M, Cameletti M, Finazzi F, **Franco-Villoria M**, Ignaccolo R (2014) Spatial model for cardio-respiratory diseases hospital admission in Torino province. Proceedings of the METMAVII – GRASPA 14 Conference, Torino, 10-12 September, 2014. Special issue of GRASPA Working Paper (ISSN: 2037-7738), pp.1-4
  - **Franco-Villoria M**, Ignaccolo R (2014) Kriging uncertainty for functional data: a comparison study. Proceedings of the METMAVII – GRASPA 14 Conference, Torino, 10-12 September, 2014. Special issue of GRASPA Working Paper (ISSN: 2037-7738), pp.1-4. *Poster*
  - **Franco-Villoria M**, Ignaccolo R (2014) Uncertainty evaluation in functional kriging with external drift. in E.G. Bongiorno, E. Salinelli, A. Goia, P. Vieu (Ed's), Contributions in infinite-dimensional statistics and related topics (Proceedings of the Third International Workshop on Functional and Operatorial Statistics (IWFOS), Stresa, 19-21 June, 2014). Società Editrice Esculapio, ISBN 978-88-7488-763-7, pp.113-118. *Relazione orale*
  - **Franco-Villoria M**, Ignaccolo R (2014) Kriging for functional data: uncertainty assessment, in S. Cabras, T. Di Battista and W. Racugno (Ed's), Proceedings of the 47th Scientific Meeting of the Italian Statistical Society, Cagliari, 11-13 June, 2014. CLUEC editor ISBN 978-88-8467-874-4, pp.1-6. *Relazione invitata*
  - Berchiolla P, Blangiardo M, Cameletti M, Finazzi F, **Franco-Villoria M**, Ignaccolo R (2014) Spatial modelling for air pollution epidemiology: hospital admission risk for cardio-respiratory diseases in Torino province, in S. Cabras, T. Di Battista and W. Racugno (Ed's), Proceedings of the 47th Scientific Meeting of the Italian Statistical Society, Cagliari, 11-13 June, 2014. CLUEC editor ISBN 978-88-8467-874-4, pp.1-6
  - **Franco Villoria M**, Scott M, Hoey T, Fischbacher-Smith D (2012) Spatio-temporal quantile modelling of river flow in Scotland. Proceedings of the VI International Workshop on Spatio-Temporal Modelling (METMAVI), Guimaraes, Portugal, 12-14 September 2012, editor University of Minho, Portugal, ISBN 978-989-97939-0-3, pp. 1-4. *Relazione orale*
  - **Franco Villoria M**, Scott M, Hoey T, Fischbacher-Smith D (2011) Conditional Probability of Flood Risk in Scotland. Proceedings of the 26th International Workshop on Statistical Modelling (IWSM), Valencia, Spain, 11-15 July 2011, eds. Conesa D., Forte A., Lopez-Quilez A., Munoz F., Copiformes S.L, ISBN 9788469451298, pp. 228-233. *Relazione orale*
  - **Franco Villoria M**, Scott M, Hoey T, Fischbacher-Smith D (2010) Assessing the variability of Scottish rivers using wavelet analysis. Proceedings of the 25th International Workshop on Statistical Modelling (IWSM), Glasgow, UK, 5-9 July 2010, ed. Adrian W. Bowman, pp 211-215. *Relazione orale*
  - **Franco Villoria M**, Scott M, Hoey T, Fischbacher-Smith D (2010) Spatio-temporal study of Scottish rivers using wavelet analysis. Proceedings of the V

International Workshop on Spatio-Temporal Modelling (METMAV), Santiago de Compostela, Spain. June 2010, eds. W. González-Manteiga et al Unidixital. ISBN 978-84-934272-8-3. *Poster*

### **Premi e Riconoscimenti**

- 2019 Migliore poster alla conferenza GRASPA 2019, Pescara
- 2018 Migliore poster al IX International Workshop on Spatio-Temporal Modelling (METMAIX), Montpellier, France
- 2012 Migliore poster al Kelvin-Smith annual event, Glasgow. UK
- 2012 Studente di dottorato selezionato per presentare un poster nel Scottish Science Advisory Council meeting, Glasgow, UK
- 2010 Migliore poster al V International Workshop on Spatio-Temporal Modelling (METMAV), Santiago de Compostela, Spagna
- 2009 Migliore presentazione tra gli studenti al 20th Annual Conference of The International Environmetrics Society (TIES) Bologna, Italia

### **Borse di studio e travel awards**

- 2016 *World Wide Style* – seconda edizione (WWS II) Università di Torino per un soggiorno di ricerca presso la School of Mathematics and Statistics, University of Glasgow (3 mesi)
- 2010 *Jim Gatheral Scholarship* per un soggiorno di ricerca presso lo Statistical and Applied Mathematical Sciences Institute (SAMSI) sotto la supervisione di Prof. Montserrat Fuentes (2 mesi)
- 2008 Borsa di dottorato: *Kelvin-Smith Scholarship*, University of Glasgow (4 anni)
- 2007 Borsa di master, University of Glasgow (1 anno)
- 2005 Borsa *Erasmus*, Università di Salamanca, Spagna (10 mesi)

### **Soggiorni di ricerca all'estero**

- Novembre 2018 (3 settimane). Ricercatore in visita, King Abdullah University of Science and Technology (KAUST) (Prof. Haavard Rue)
- Maggio 2018 (1 mese). Ricercatore in visita, King Abdullah University of Science and Technology (KAUST) (Prof. Haavard Rue)
- Marzo 2017 (1 settimana). Ricercatore in visita, Dipartimento di Matematica, Università Jaume I, Castellon (Prof. Jorge Mateu)
- Gennaio-Marzo 2016. Ricercatore in visita, School of Mathematics and Statistics, University of Glasgow
- Marzo-Aprile 2010. Studente in visita, Statistical and Applied Mathematical Sciences Institute (SAMSI) (Prof. Montserrat Fuentes)

## Attività didattica universitaria

- Docente del corso “Basic Statistics”, Master in World Heritage and Cultural Projects for Development, 14 Febbraio 2019, International Training Centre of the ILO, Torino
- Docente dei corsi “Data Visualization” e “Architetture e IT”, Master in Data Science for Business Intelligence, 7-8 Febbraio 2019, Università di Torino
- Docente del corso “Extreme Value Analysis”, Despina for Intesa Academy (Despina Big Data Lab), 15 Ottobre 2018, Intesa San Paolo, Milano
- Docente del corso “Inferenza Statistica”, Master in Data Science for Business Intelligence, 6 Aprile 2018, Università di Torino
- Docente del corso “Statistics”, Master in Applied Labour Economics for Development, 12-19 Febbraio 2018, International Training Centre of the ILO, Torino
- Docente del corso “Basic Statistics”, Master in World Heritage and Cultural Projects for Development, 21 Febbraio 2018, International Training Centre of the ILO, Torino
- Docente del corso “Basic Statistics”, Master in World Heritage and Cultural Projects for Development, 1 Marzo 2017, International Training Centre of the ILO, Torino
- Docente del corso “Extreme Value Analysis”, Despina for Intesa Academy (Despina Big Data Lab), 17 Marzo 2017, Intesa San Paolo, Torino
- Docente del corso “Functional Data Analysis” in collaborazione con la Prof.ssa Rosaria Ignaccolo (Università di Torino) all’interno del workshop “Environmental Statistics and Data Analytics Training”, 28-29 Agosto 2015, University of Glasgow, UK.
- Dipartimento di Economia e Statistica, Università di Torino, Italia

### *Anno Accademico 2018/2019*

- *Probabilità e Inferenza Statistica*. Tutor didattico (Italiano)
- *Analisi dei dati e Probabilità (Modulo 2)*. Titolare del corso (Italiano)
- *Data Mining e Statistical Learning (Modulo 2)*. Titolare del corso (Italiano)

### *Anno Accademico 2017/2018*

- *Esercitazioni per l'apprendimento del software statistico R*. Titolare del corso (Italiano)
- *Probabilità e Inferenza Statistica*. Tutor didattico (Italiano)
- *Metodi Quantitativi per le Scienze Economico-Sociali (Modulo 2)*. Titolare del corso (Inglese)
- *Data Mining e Statistical Learning (Modulo 2)*. Titolare del corso (Italiano)

*Anno Accademico 2016/2017*

- *Esercitazioni per l'apprendimento del software statistico R*. Titolare del corso (Italiano)
- *Precorso di Statistica*. Titolare del corso (Italiano)
- *Probabilità e Inferenza Statistica*. Tutor (Italiano)
- *Metodi Quantitativi per le Scienze Economico-Sociali (Modulo 2)*. Titolare del corso (Inglese)

*Anno Accademico 2015/2016*

- *Precorso di Statistica*. Titolare del corso (Italiano)
- *Inferenza* (modulo all'interno del corso "Statistica"). Titolare del corso e tutor didattico (Italiano)
- *Metodi Quantitativi per le Scienze Sociali*. Tutor didattico (Inglese)

*Anno Accademico 2013/2014, 2014/2015*

- *Metodi Quantitativi per le Scienze Sociali*. Tutor didattico (Inglese)

- School of Mathematics and Statistics, University of Glasgow

*Anno Accademico 2012/2013*

- *Biostatistics*. Titolare del corso e tutor didattico.
- *Science Fundamentals* (statistics module). Titolare del corso

*Anni Accademici 2011/2012, 2010/2011*

- *S2Y Regression Modelling*. Tutor didattico
- *S2S Statistical Methods*. Tutor didattico
- *S2R Probability*. Tutor didattico
- *S2X Probability Models*. Tutor didattico

*Anno Accademico 2009/2010*

- *S1Y Probability and Statistical Methods*. Tutor didattico
- *S1Z Statistics in Action*. Tutor didattico

*Anno Accademico 2008/2009*

- *S1C Statistics for Psychologists*. Tutor didattico

**Relazione e correlazione di tesi di laurea**

- Relatrice di sei studenti di laurea magistrale negli anni accademici 2017-2018, 2018-2019
- Correlatrice di cinque studenti di laurea magistrale negli anni accademici 2015-2016, 2016-2017, 2017-2018

**Attività di revisione e discussione di tesi dottorali**

- 2019 Joaquin Martinez Minaya, titolo della tesi: Recent statistical advances and applications of species distribution modeling. Università di Valencia, Spagna



(revisione)

- 2019 Oscar Rodriguez de Rivera Ortega, titolo della tesi: Spatio-temporal modeling of species distribution. Università di Valencia, Spagna (revisione e membro della commissione)

### **Altre attività di formazione**

- Advanced English degree (5 years), Scuola Ufficiale di Lingue (EOI), Salamanca, Spagna
- Academy for PhD training in Statistics (APTS). Anno Accademico 2008/2009
- Scottish Mathematical Sciences Training Centre (SMSTC). Statistics Branch. Anno Accademico 2007/2008
- Postgraduate Research Training Course. University of Glasgow. Anno Accademico 2007/2008

### **Organizzazione di conferenze e workshops**

- Membro del Comitato Scientifico ed Organizzatore del joint meeting TIES (The International Environmetrics Society) –GRASPA (Research Group for Statistical Applications to Environmental Problems), Bergamo, 24-26 Luglio 2017
- Organizzatrice di una sessione all'interno del TIES-GRASPA, Bergamo, 24-26 Luglio 2017
- Membro del Comitato Organizzatore del joint meeting Seventh International Workshop on Spatio-Temporal Modelling (METMA7)-2014 meeting of the Research Group for Statistical Applications to Environmental Problems (GRASPA14), Torino 10-12 Settembre 2014

### **Attività editoriale e di referaggio**

- Associated editor per la rivista Environmetrics
- Referee per le riviste Spatial Statistics; Stochastic Environmental Research and Risk Assessment; Statistical Methods and Applications; Statistica Applicata (Italian Journal of Applied Statistics); City, Culture and Society; Advances in Statistical Analysis; Environmental Modelling and Software; International Journal of Environmental Research and Public Health; Journal of Statistical Computation and Simulation

### **Adesione a società scientifiche**

- TIES, GRASPA, SIS Junior
- Honorary research fellow, School of Mathematics and Statistics, University of Glasgow

### **Competenze linguistiche**

- Spagnolo: madrelingua
- Inglese: buona conoscenza
- Italiano: buona conoscenza

### **Competenze informatiche**

- Microsoft Word and Latex
- PowerPoint, Beamer (Latex) and Prezi
- R, e conoscenza basica di Minitab and Mathematica