CURRICULUM VITAE

PAOLO POSTIGLIONE

Professor of Economic Statistics

"G. d'Annunzio" University of Chieti-Pescara
Department of Economic Studies
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EDUCATION
Laurea *cum laude* (with Hons) in Economic Statistics University "La Sapienza" of Rome (June 1993).
Advisor: G. Arbia
Thesis: "A method for the classification and segmentation of remote sensed image" (*in Italian*).

Ph.D. degree in Statistics, X Course, University "G. d'Annunzio" of Chieti – Pescara (July 1998)
Advisor: G. Arbia
Thesis: "Analysis of spatially distributed variables: models, estimation and applications" (*in Italian*).

OTHER COURSES
Barcelona Macroeconomics Summer School 2002 in Economic Growth (Prof. X. Sala-i-Martin, Prof. A. Ciccone), *Centre de Recerca en Economia Internacional, University "Pompeu Fabra" of Barcelona* (June 2002)

Summer School in Statistical Methodology, *Italian Statistical Society*, Varese (September 1995)

SAS Course, University "La Sapienza"of Rome (October 1989).

CURRENT POSITION
Full Professor of Economic Statistics   (01/05/2017 - present)
University "G. d'Annunzio" of Chieti – Pescara

Main research interests: Spatial statistics and econometrics, regional economic convergence, models for spatial non-stationary data, agricultural statistics, spatial sampling.

VISITING POSITION
Visiting researcher at Department of Geography, Regional Economics Applications Laboratory, University of Illinois at Urbana-Champaign, USA (fall 2005, spring 2007, fall 2007, fall 2011, fall 2013).

Visiting researcher at Regional Research Institute, West Virginia University, USA (spring 2011).

ACADEMIC LECTURES

Data Science in Economics	(2018 -)
University "G. d'Annunzio" of Chieti – Pescara	
Business Statistics	(2012 -)
University "G. d'Annunzio" of Chieti – Pescara	
Statistics for Enterprises	(2012 -)
University "G. d'Annunzio" of Chieti – Pescara	
Industrial Statistics	(2010 - 2012)
University "G. d'Annunzio" of Chieti – Pescara	
Statistics	(2001 - 2012)
University "G. d'Annunzio" of Chieti – Pescara	
Economic Statistics	(2003 - 2010)
University "G. d'Annunzio" of Chieti – Pescara	
Environmental Accounting and Statistics	(2001 - 2010)
University "G. d'Annunzio" of Chieti – Pescara	
Environmental Accounting and Statistics (*advanced course*)	(2005 - 2007)
University "G. d'Annunzio" of Chieti – Pescara	
Statistics *(supplementary lectures)*	(2004 - 2010)
University of Rome "LUISS"	

Spatial Econometrics, Course of Italian Statistical Society, Catholic University of Sacred Heart, Rome (March, 2015).

Spatial Approach to Regional Economic Convergence
Summer School of Erasmus Internet Programme, PhD Course, Aberystwyth University, Aberystwyth, UK (September, 2013).

Econometrics
PhD Courses, University of San Marino (October, 2004).

PREVIOUS PROFESSIONAL POSITIONS

Associate Professor in Economic Statistics	(01/11/2010 - 30/04/2017)
University "G. d'Annunzio" of Chieti – Pescara	
Assistant Professor in Economic Statistics	(01/08/2001 - 31/10/2010)
University "G. d'Annunzio" of Chieti – Pescara	

Statistical Officer at Ministry of Transports and Navigation in staff position of the Head of Human Resources (1996 - 2001)
Main assignments: Human Resources Statistics, Budget of Ministry for the Human Resources expenditure, organization, economic aspects of trade-union relationship, statistical methods for the graduation of executive responsibilities, Annual Account.

PUBLICATIONS

a) Journal Articles

1. Cartone A, **Postiglione P** (2020). Principal component analysis for geographical data: the role of spatial effects in the definition of composite indicators. Spatial Economic Analysis. Taylor & Francis. ISSN: 1742-1772. DOI: 10.1080/17421772.2020.1775876. (Impact Factor 2018: 1.902).
2. Casolani N, Cartone A, **Postiglione P**, Liberatore L, (2020). Climate variability in agriculture and crop water requirement: Spatial analysis of Italian provinces. Journal of Cleaner Production. Elsevier. ISSN: 0959-6526 DOI: 10.1016/j.jclepro.2020.121331. (Impact Factor 2018: 6.395).
3. Cartone A, **Postiglione P**, Hewings GJD (2020). Does economic convergence hold? A spatial quantile analysis on European regions. Economic Modelling. ISSN: 0264-9993 DOI:10.1016/j.econmod.2020.03.008 (Impact Factor 2018: 2.056).
4. Benedetti R, Palma D, **Postiglione P** (2020). Modelling the impact of technological innovation on environmental efficiency: A spatial panel data approach. Geographical Analysis, 52: 231–253. Wiley. ISSN: 0016-7363. DOI:10.1111/gean.12198. (Impact Factor 2018: 1.955).
5. Panzera D, **Postiglione P** (2020). Measuring the spatial dimension of regional inequality: an approach based on the Gini correlation measure. Social Indicators Research, 148: 379-394. Springer. ISSN: 0303-8300. DOI: 10.1007/s11205-019-02208-7. (Impact Factor 2018: 1.703).
6. Benedetti R, Piersimoni F, **Postiglione P** (2017). Alternative and complementary approaches to spatially balanced samples. Metron, 75: 249-264. Springer. ISSN:0026-1424. DOI: 10.1007/s40300-017-0123-1.
7. Cartone A, Casolani N, Liberatore L, **Postiglione P** (2017). Spatial analysis of grey water in Italian cereals crop production. Land Use Policy, 68: 97-106. Elsevier. DOI: 10.1016/j.landusepol.2017.06.024. ISSN: 0264-8377 (Impact Factor 2018: 3.573).
8. Benedetti R, Piersimoni F, **Postiglione P** (2017). Spatially balanced sampling: a review and a reappraisal. International Statistical Review, 85, 3, 439–454. Wiley (Impact Factor 2018: 2.209). ISSN: 1751-5823. DOI:10.1111/insr.12216.
9. Billè A, Benedetti R, **Postiglione P** (2017). A two-step approach to account for unobserved spatial heterogeneity. Spatial Economic Analysis, 12, 4: 452-471. Taylor & Francis. ISSN: 1742-1772. DOI: 10.1080/17421772.2017.1286373. (Impact Factor 2018: 1.902).
10. **Postiglione P**, Andreano MS, Benedetti R (2017). Spatial clusters in EU productivity growth. Growth and Change, 48, 1: 40-60. Wiley. DOI: 10.1111/grow.12165. ISSN: 0017-4815 (Impact Factor 2018: 1.202).
11. Andreano MS, Benedetti R, **Postiglione P** (2017). Spatial regimes in regional European growth: an iterated spatially weighted regression approach. Quality & Quantity, 51: 2665–2684. Springer. DOI: 10.1007/s11135-016-0415-1. ISSN: 0033-5177 (Impact Factor 2017: 1.072).
12. Cartone A, **Postiglione P** (2016). Modelli spaziali di regressione quantilica per l'analisi della convergenza economica regionale. Rivista di Economia e Statistica del Territorio, 3: 28-48. F. Angeli. DOI: 10.3280/REST2016-003003. ISSN: 1971-0380.
13. Cartone A, **Postiglione P** (2016). Le componenti principali pesate geograficamente per la definizione di indicatori compositi locali. Rivista di Economia e Statistica del Territorio, 1: 33-52. F. Angeli. ISSN: 1971-0380, DOI: 10.3280/REST2016-001002.
14. Panzera D, Benedetti R, **Postiglione P** (2016). A Bayesian approach to parameter estimation in the presence of spatial missing data. Spatial Economic Analysis, 11,

2: 201-218 Taylor & Francis. ISSN: 1742-1772, DOI: 10.1080/17421772.2016.1102962. (Impact Factor 2018: 1.902)

15. Panzera D, **Postiglione P** (2014). Economic growth in Italian NUTS 3 provinces. The Annals of Regional Science, 53: 273-293. Springer. ISSN: 0570-1864, DOI 10.1007/s00168-014-0628-y. (Impact Factor 2018: 1.075).

16. **Postiglione P**, Andreano MS, Benedetti R (2013). Using constrained optimization for the identification of convergence clubs. Computational Economics, 42: 151-174, Springer. ISSN: 0927-7099, DOI: 10.1007/s10614-012-9325-z. (Impact Factor 2018: 1.185).

17. Andreano MS, Laureti L, **Postiglione P** (2013). Economic growth in MENA countries: Is there convergence of per-capita GDPs?, Journal of Policy Modeling, 35: 669-683, Elsevier. ISSN: 0161-8938, DOI: 10.1016/j.jpolmod.2013.02.005 (Impact Factor 2018: 1.254).

18. Andreano MS, **Postiglione P** (2013). Forecasting aggregated Euro area inflation rate with space-time models. QdS - Journal of Methodological and Applied Statistics, 15: 219-234. Liguori editore. ISSN: 1594-3739.

19. **Postiglione P** (2012). Evaluating the effects of heteroscedasticity on the economic growth of EU regions. Rivista di Economia e Statistica del Territorio, 3: 59-77, F. Angeli. ISSN 1971-0380, DOI: 10.3280/REST2012-003004.

20. Piras G, **Postiglione P**, Aroca P (2012). Specialization, R&D and productivity growth:evidence from EU regions. The Annals of Regional Science, 49: 35–51, Springer. ISSN: 0570-1864, DOI: 10.1007/s00168-010-0424-2. (Impact Factor 2018: 1.075).

21. **Postiglione P**, Benedetti R, Lafratta G (2010). A regression tree algorithm for the identification of convergence clubs. Computational Statistics & Data Analysis, 54: 2776-2785, Elsevier. ISSN: 0167-9473, DOI:10.1016/j.csda.2009.04.006. (Impact Factor 2018: 1.323).

22. Andreano MS, Laureti L, **Postiglione P** (2009). Unemployment analysis in the Med area. Megatrend Review, The International Review of Applied Economics, 6: 229-245. ISSN 1820-4570.

23. **Postiglione P,** Hewings GJD (2008). Hierarchical spatial interaction among the Italian regions - A nonlinear relative dynamics approach. Journal of Geographical Systems, 10: 369-382, Springer. ISSN: 1435-5930, DOI 10.1007/s10109-008-0072-6 (Impact Factor 2018: 1.417).

24. **Postiglione P,** Piras G, Modica M (2007). Modelli spaziali per dati panel per lo studio della convergenza economica regionale. Scritti di Statistica Economica n. 14: 125-150, Liguori Editore. ISSN: 2038-4971.

25. Arbia G, **Postiglione P** (2006). Spatial approach to economic convergence: an empirical analysis of EU NUTS 2 regions. Scritti di Statistica Economica n. 12: 1-25, Liguori Editore. ISSN: 2038-4971.

26. Laureti L, **Postiglione P** (2005). The effects of capital inflows on the economic growth in the Med area. Journal of Policy Modeling, 27: 839–851, Elsevier. ISSN: 0161-8938, DOI:10.1016/j.jpolmod.2005.05.003. (Impact Factor 2018: 1.254).

27. Alfò M, **Postiglione P** (2002). Semiparametric modelling of spatial binary observations. Statistical Modelling, 2: 123-137, Arnold Publishers. ISSN: 1471-082X, DOI: 10.1191/1471082x02st023oa (Impact Factor 2018: 1.026).

b) Books

28. Benedetti R, Piersimoni F, **Postiglione P** (2015). Sampling spatial units for agricultural surveys. Advances in Spatial Science, Springer, Heidelberg, Berlin. ISBN 978-3-662-46007-8.

29. Benedetti R, **Postiglione P**, Panzera D, Filipponi D (2014). Developing more efficient and accurate methods for the use of remote sensing in agricultural statistics.

Technical Report Series GO-05-2014. Global Strategy, Improving Rural & Agricultural Statistics, FAO.

c) Book Chapters

30. Andreano MS, Benedetti R, Piersimoni F, **Postiglione P**, Savio G (2019). Sampling and modelling issues using big data in now-casting. In: New statistical developments in data science, Petrucci A, Racioppi F, Verde R (Eds), vol. 288, pp. 179-189, Springer Nature Switzerland. ISBN: 978-303021157-8.

31. Benedetti R, Piersimoni F, **Postiglione P** (2016). Advanced methods to design samples for land use/land cover surveys. In: Topics on methodological and applied statistical inference, Di Battista T, Moreno E, Racugno W (Eds), Springer, Heidelberg, Berlin. ISBN: 978-3-319-44093-4.

32. Piersimoni F, **Postiglione P**, Benedetti R (2014). Spatial sampling for agricultural data. In: Contributions to sampling statistics, Mecatti F, Conti PL, Ranalli MG (Eds), Springer, Heidelberg, Berlin, pp. 179- 198. ISBN: 978-3-319-05319-6.

33. Benedetti R, Piersimoni F, **Postiglione P** (2012). Statistics in agricultural production. In: Methods and applications of statistics in the social and behavioral sciences, Balakrishnan N (Ed), John Wiley & Sons, Hoboken, New Jersey, pp. 357-373. ISBN: 978-0-470-40507-9.

34. **Postiglione P**, Benedetti R, Piersimoni F (2010). Spatial prediction of agricultural crop yield. In: Agricultural survey methods, Benedetti R, Bee M, Espa G, Piersimoni F (Eds), John Wiley & Sons, West Sussex, UK, pp. 369-386. ISBN: 978-0-470-74371-3.

35. Alfò M, **Postiglione P** (2006). A spatial mixed model for sectorial labour market. In: Data analysis, classification and the forward search, Zani S, Cerioli A, Riani M, Vichi M (Eds), Springer, Heidelberg, Berlin, pp. 349-357. ISBN: 978-3-540-35977-7.

36. Arbia G, **Postiglione P** (2006). Alternative non-normal specifications. Section In Spatial econometrics. Statistical foundations and application to regional convergence, Arbia (author), Springer, Heidelberg, Berlin, pp. 124-126. ISBN: 978-3-540-32304-4.

37. Arbia G, **Postiglione P** (2004). La raccolta dei dati. In: Carlucci M, Arbia G, Castaldi L, Lovison G, Mendola D, Postiglione P (2004). L'informazione Statistica per le Politiche Ambientali: Stato e Prospettive, Rapporto di Ricerca, 04.01, Commissione per la Garanzia dell'Informazione Statistica, Presidenza del Consiglio dei Ministri, pp. 22-57.

38. **Postiglione P** (2004). Indicatori ed indici statistici. In: Carlucci M, Arbia G, Castaldi L, Lovison G, Mendola D, Postiglione P (2004). L'informazione Statistica per le Politiche Ambientali: Stato e Prospettive, Rapporto di Ricerca, 04.01, Commissione per la Garanzia dell'Informazione Statistica, Presidenza del Consiglio dei Ministri, pp. 79-103.

39. Alfò M, **Postiglione P** (2001). Spatial discriminant analysis using covariates information. In: Advances in classification and data analysis, Borra S, Rocci R, Vichi M, Schader M (Eds), Springer, Heidelberg, Berlin, pp. 307-314. ISBN: 3-540-41488-6.

40. Alfò M, **Postiglione P** (1999). Discriminant analysis using Markovian automodels. In: Classification and data Analysis. Theory and application, Vichi M, Opitz O, (Eds), Springer, Heidelberg, Berlin, pp. 73-80. ISBN: 978-3540656333.

d) Other publications

41. **Postiglione P**, Andreano MS, Benedetti R, Cartone A (2018). Spatial heterogeneity in principal component analysis: a study of deprivation index on Italian provinces. Book of Short Papers, 49th Meeting of the Italian Statistical Society (SIS), Antonino

Abbruzzo A, Brentari E, Chiodi M, Piacentino D (eds), Pearson. ISBN: 9788891910233.

42. Andreano MS, Benedetti R, **Postiglione P**, Savio G (2017). On the use of Google Trend data as covariates in nowcasting: Sampling and modeling issues. SIS 2017. Statistics and Data Science: new challenges, new generations. Proceedings of the Conference of the Italian Statistical Society (edited by Alessandra Petrucci and Rosanna Verde), 28–30 June 2017 Florence (Italy), Firenze University Press, pp. 53-57. ISBN: 978-88-6453-521-0.

43. Andreano MS, Benedetti R, **Postiglione P** (2016). Forecasting with Mixed Data Sampling Models (MIDAS) and Google trends data: the case of car sales in Italy. SIS 2016 Proceedings, 48th Scientific Meeting of the Italian Statistical Society, Salerno June 8th - June 10th, 2016. ISBN: 9788861970618.

44. Panzera D, **Postiglione P** (2015). Economic inequality, spatial scale, and spatial concentration. Statistics and Demography: the Legacy of Corrado Gini, Corrado Crocetta Editor, CLEUP, Treviso, September 2015. ISBN 9788 8678 74521.

45. Benedetti R, Andreano MS, Piersimoni F, **Postiglione P** (2015). Advances in the use of remote sensing in land use/land cover surveys. Invited Paper Sessions. Proceedings of the 60th ISI World Statistics Congress – ISI2015, Rio de Janeiro, July, 26-31, 2015, pp. 267-272, ISBN: 978-90-73592-35-3. pp. 512-517, ISBN: 978-90-73592-35-3.

46. Benedetti R, Andreano MS, Piersimoni F, **Postiglione P** (2015). MCMC selection of spatially and doubly balanced samples. Invited Paper Sessions. Proceedings of the 60th ISI World Statistics Congress – ISI2015, Rio de Janeiro, July, 26-31, 2015.

47. Benedetti R, Piersimoni F, **Postiglione P** (2014). Spatially balanced samples for land use/land cover surveys. In: Proceedings of the 47th Scientific Meeting of Italian Statistical Society, Cabras S, Di Battista T, Racugno W (eds). 11-13 June, 2014, Cagliari. CUEC Cooperativa Universitaria Editrice Cagliaritana. ISBN: 978-88-8467-874-4.

48. **Postiglione P**, Piras G (2012). Una rassegna del software per la stima di modelli di econometria spaziale. XXXIII Conferenza scientifica annuale AISRe, 13-15 September 2012, Roma.

49. **Postiglione P** (2011). Discussion on "Il grado di interazione tra Mezzogiorno e Centro Nord: evidenze empiriche da un modello VAR multi-regionale. In: L'integrazione economica tra Mezzogiorno e il Centro Nord, Bronzini R, Luigi Cannari (eds). Seminari e Convegni Banca d'Italia, pp.43-45.

50. Panzera D, Benedetti R, **Postiglione P** (2011). A prediction method for spatial missing data. 58th Annual North American Meetings of the Regional Science Association International, 9-12 November 2011, Miami.

51. **Postiglione P** (2011). Heteroscedasticity in the analysis of regional economic convergence. XXXII Conferenza scientifica annuale AISRe, 15-17 September 2011, Turin.

52. **Postiglione P**, Benedetti R (2011). Spatial heterogeneity in the productivity growth of EU regions. Vth World Conference of the Spatial Econometrics Association, 6-8 July 2011, Toulouse.

53. Andreano MS, Benedetti R, **Postiglione P** (2010). Heterogeneity in the economic growth of European Regions: an adaptive geographically weighted regression approach. Working Papers Universitas Mercatorum, November, I. ISBN 978-88-905081-4-1.

54. **Postiglione P**, Andreano MS, Benedetti R (2009). Stochastic relaxation for the analysis of regional economic convergence. 3rd International Conference on Computational and Financial Econometrics (CFE'09), 29-31 October 2009, Limassol, Cipro.

55. Benedetti R, **Postiglione P**, Piersimoni F (2007). Spatial method for the forecast of agricultural data. Proceedings of Fourth International Conference on Agricultural Statistics, Pechino, 22-24 October 2007. ISBN: 978-7-900225-43-6.

56. **Postiglione P**, Hewings GJD (2006). Spatial hierarchical analysis of Italian regions. Discussion Papers REAL 06-T-11, University of Illinois at Urbana-Champaign.

57. Benedetti R, Catenaro R, **Postiglione P**, (2006). Local stationarity of spatial regression models. Conference on Spatial Data Methods for Environmental and Ecological Processes, Sessione Poster, Baia delle Zagare Hotel (FG), Italy, 2006.

58. Benedetti R, **Postiglione P**, Espa G (2006). Metodi statistici per la stima della copertura del suolo con dati a terra e da satellite. Atti del convegno "AGRI@STAT - Verso un nuovo sistema di statistiche agricole", pp. 15-26, Firenze 30-31 May 2005. ISBN: 88-901551-2-4.

59. Benedetti R, Lafratta G, **Postiglione P** (2005). A procedure to identify the presence of convergence clubs. 52nd Annual North American Meetings of the Regional Science Association International, 9-12 November 2005, Las Vegas.

60. Arbia G, Piras G, **Postiglione P** (2005). Club convergence and spatial panel data analysis for EU-NUTS2 regions. Workshop on "Knowledge and Regional Economic Development", Barcelona, June 2005.

61. Alfò M, **Postiglione P** (2005). The identification of industrial districts through multivariate mixed models. In: Classification and data analysis, Zani S, Cerioli A (Eds), Atti del Convegno CLADAG, Parma 6-8 June 2005, Monte Università Parma. ISBN: 9788878470668.

62. Benedetti R, **Postiglione P**, Piersimoni F (2005). Un metodo interpolativo per la diffusione dei dati statistici. Atti del convegno "Metodi d'Indagine e di Analisi per le Politiche Agricole", Pisa 21-22 ottobre 2004, pp. 51-64. ISBN:88-901551-1-6.

63. Benedetti R, **Postiglione P**, Espa G (2005). La rilevazione diretta di informazioni congiunturali sulle coltivazioni: situazione attuale e possibili sviluppi. Atti del convegno "Metodi d'Indagine e di Analisi per le Politiche Agricole", Pisa 21-22 ottobre 2004, pp. 293-306. ISBN:88-901551-1-6.

64. **Postiglione P**, Salvatore M, Arbia G (2002). The role of spatial dependence in regional convergence of per-Capita income. Atti della XLI Riunione Scientifica della Società Italiana di Statistica, 2: 107-110, CLEUP. ISBN: 88-7178-589-4.

65. Espa G, **Postiglione P** (1996). Segmentazione vincolata di immagini telerilevate. Atti della XXXVIII Riunione Scientifica della Società Italiana di Statistica, 2: 177 – 184, Maggioli Editore.

66. **Postiglione P** (1996). Analisi di immagini telerilevate: una rassegna di metodi e tecniche. Quaderni del Dipartimento di Metodi Quantitativi e Teoria Economica, Università degli Studi "G. d'Annunzio" di Chieti-Pescara, 1996, n. 2.

e) Papers submitted

67. **Postiglione P,** Andreano MS, Benedetti R, (2019). Spatial latent class models with application to economic growth (mimeo - submitted).

68. Panzera D, **Postiglione P** (2019). The impact of regional inequality on economic growth: a spatial econometric approach. (mimeo - submitted).

69. **Postiglione P**, Cartone A, Andreano MS, Benedetti R (2019). Constrained optimization for addressing spatial heterogeneity in PCA (mimeo - submitted).

f) Teaching publications (in Italian)

70. Benedetti R, Espa G, **Postiglione P** (2005). Appunti di statistica di base per le scienze economiche. Drake University Press, Trento. ISBN: 88-88725-04-0.

71. Arbia G **Postiglione P** (1997). Esercizi di statistica economica. Quaderni del Dipartimento di Metodi Quantitativi e Teoria Economica, n. 1, 1997.

SCIENTIFIC SOCIETY AFFILIATIONS

Italian Statistical Society	(1996 - ….)
Spatial Econometrics Association	(2006 - ….)
Italian Regional Science Association	(2011 - ....)

RESEARCH PROJECTS

Scientific leader for University "G. d'Annunzio" of Chieti- Pescara for the Horizon 2020 Project "*Integrative Mechanisms for Addressing Spatial Justice and Territorial Inequalities in Europe*", H2020-SC6-REV-INEQUAL-2016. Leader of WP3 "*Territorial Inequalities and Economic Growth*", Member of the *Steering Group* of the project. Starting date 01/01/2017, duration in months 60, Project number 726950 (Principal Investigator Prof. Michael Woods, Aberystwyth University).

Member of ISTAT Research Group "*ASIA Anticipato*" for the formulation of a methodological proposal for the backcasting of time series of the structure of the population of firms from 2001, based on ATECO 2007 (2010-2012).

Member of Research Group of Commission for the Security of Statistical Information on: "Statistical information for the environmental policies: present and future" (2003 – 2004).

Member of G.R.A.S.P.A. (Research Group for Statistical Applications to Environmental Problems)), Local Unit of Pescara, for the following projects:
COFIN 2004 "*Treatment of complexity and uncertainty in the environmental studies*"
COFIN 2002 "*Statistics for the environmental decisions: identification, monitoring and evaluation of intervention*"
COFIN 2000 "*Statistics in the evaluation of environmental risk*"

SEMINARS AND CONFERENCE PRESENTATIONS

- *Measuring socio-economic disparities at local level: a composite indicator for Italy* XL Scientific Annual Conference of AISRe, L'Aquila, 16-18 Settembre 2019, (18/09/2019).
- *Measuring regional concentration of economic activities: a spatial approach,* 16th EU-REAL Meeting, Pescara, September 3-4 2019 (03/09/2019).
- *Identifying agglomeration and location patterns of economic activities: a spatial inequality-based measure,* 59th ERSA Congress, August 27-30, 2019, Lyon (France), (29/08/2019)
- *On the measurement of spatial inequality,* 15th EU-REAL Meeting, Palermo, September 3-4, 2018, (03/09/2018).
- *Spatial heterogeneity in principal component analysis with an application for the case of Italy,* 15th EU-REAL Meeting, Palermo, September 3-4, 2018, (04/09/2018).
- *Investigating local spatial effects in composite indicators of deprivation: the case of Lazio,* 58th ERSA Congress, August 28-31, 2018, Cork (Ireland), (28/08/2018).
- *Spatial heterogeneity in principal component analysis: a study of deprivation index on Italian provinces*, 49th Scientific meeting of the Italian Statistical Society, Palermo, June 20-22 2018 (20/06/2018).
Accounting for spatial heterogeneity in deprivation index: the case of Italy, XXXVIII Scientific Annual Conference of AISRe, Cagliari, September 20-22 2017, (21/09/2017).
Regional economic convergence in European regions: a spatial quantile regression approach, 14th EU-REAL, University of Coimbra, Coimbra, September 4-5, 2017 (04/09/2017)

Identifying spatial regimes in economic models, Workshop "Applications in Spatial Econometrics", Keynote Lecture, KOF Swiss Economic Institute, ETH Zurich, December 14-16, 2016 (16/12/2016).

Spatial approach to principal component analysis, 13th EU-REAL Meeting, Badajoz-Caceres, Spain, September 21-23, 2016 (23/09/2016).

Spatial approach to PCA for the definition of local composite indicators, X World Conference Spatial Econometrics Association 2016, Rome, June 13-15, 2016 (14/06/2016).

Economic inequality, spatial scale, and spatial concentration, SIS2015 Statistical Conference, Statistics and Demography: the Legacy of Corrado Gini Treviso - Ca' Foscari University of Venice, September 9, 2015 – September 11, 2015 (09/09/2015).

Spatial regimes in economic growth of European regions, 12th EU-REAL Meeting "Regional and Urban Economic Modeling", Madrid, August 31 – September 1, 2015 (30/08/2015).

Income inequality, growth and space: some empirical evidence, VI Workshop in Honour of Geoffrey J.D. Hewings, Keynote Lecture, University of Santiago de Compostela (09/06/2015).

Income inequality, growth and space: evidences form Italian provinces, 61st Annual Conference of Northern American Regional Sciences Council, Washington (13/11/2014).

Some issues on regional economic convergence, V Workshop in Honor of Geoffrey J.D. Hewings: Opening New Research Lines in Regional Science, Oviedo (16/09/2014)

Multitype point process models for bank branches location, VIIIth World Conference of the Spatial Econometrics Association, Zurich (12/06/2014).

Heterogeneity in firms location modeling, 53rd Congress of the European Regional Science Association, Palermo (28/08/2013).

Economic growth in Italian NUTS 3 provinces, 59th Annual Conference of Northern American Regional Sciences Council, Ottawa (09/11/2012).

Una rassegna del software per la stima di modeli di econometria spaziale, XXXIII Scientific Annual Conference of AISRe Convegno AISRe, Roma, (13/09/2012).

A prediction method for spatial missing data, 58th Annual Conference of Northern American Regional Sciences Council, Miami (11/11/2011).

Spatial effects in the analysis of economic growth, REAL Seminar, University of Illinois at Urbana – Champaign (15/11/2011).

L'eteroschedasticità nell'analisi della convergenza economica regionale, XXXII Scientific Annual Conference of AISRe Convegno AISRe, Torino, (16/09/2011).

Spatial heterogeneity in the productivity growth of EU regions. Vth World Conference of the Spatial Econometrics Association, Toulouse (07/07/2011).

Stochastic Relaxation for the analysis of regional economic convergence, 3rd International Conference on Computational and Financial Econometrics (CFE'09), Limassol, Cipro (31/10/2009).

Specialization, R&D and Productivity growth, II World Conference of Spatial Econometrics Association, New York (19/11/2008).

A regression tree algorithm for the identification of convergence clubs, International Workshop on Spatial Econometrics and Statistics, Rome (25/05/2006).

A spatial hierarchical analysis of Italians regions, International Workshop on Spatial Econometrics and Statistics, Rome (26/05/2006).

A procedure to identify convergence clubs, 52nd Annual Conference of Northern American Regional Sciences Council, Las Vegas (11/11/2005).

A methodology for the identification of industrial district, Regional Economic Analysis Laboratory, Department of Geography, University of Illinois at Urbana-Champaign (05/12/2005).

Il ruolo della dipendenza spaziale nella convergenza regionale dei redditi pro-capite, XLI Riunione Scientifica della Società Italiana di Statistica (07/06/2002).

"A spatial discriminant analysis using covariates information", Riunione Scientifica del Gruppo CLADAG, Roma (06/07/1999).

Analisi discriminante attraverso automodelli markoviani, Dipartimento di Metodi Quantitativi e Teoria Economica, Università "G. d'Annunzio" di Chieti – Pescara (25/06/1997).

Metodi statistici per la previsione di siti archeologici, Dipartimento di Metodi Quantitativi e Teoria Economica, Università "G. d'Annunzio" di Chieti – Pescara (26/06/1997)

Valori anomali e osservazioni influenti nell'analisi dei dati multidimensionali, Dipartimento di Metodi Quantitativi e Teoria Economica, Università "G. d'Annunzio" di Chieti – Pescara (09/05/1996).

Campionamento di aree, Dipartimento di Metodi Quantitativi e Teoria Economica, Università "G. d'Annunzio" di Chieti – Pescara (03/07/1996).

EDITORIAL SERVICES

Associate Editor of Statistical Methods and Applications (from 2017)

Regional Editor of Regional Science Policy & Practice (from 2019) for the special issue *"New directions in regional development and spatial inequalities"*

Referee per International Statistical Review, Economic Modelling, Geographical Analysis, Environmetrics, Computational Economics, Spatial Economic Analysis, Papers in Regional Science, Social Indicators Research, Empirical Economics, Statistical Methods and Applications, Quality and Quantity, Regional Science Policy & Practice, Canadian Journal of Regional Science, Growth and Change, Emerging Markets Finance and Trade, International Regional Science Review, Applied Economics, Review of Public Economics.

SELECTED CONFERENCE SERVICES

Member of Scientific Committee of:

X World Conference Spatial Econometrics Association 2016, Rome, June 13-15, 2016.
XXXVII Conferenza scientifica annuale AISRe, Ancona, September 20-22, 2016.

Member of Local Organizing Committee of:

16th European Union REAL Workshop, 3-4 Settembre 2019, University "G. d'Annunzio" of Chieti-Pescara, Pescara.

Statistics and the Assessment, Control and Scenarios of Risks. Applications to Food, Social and Health, Economic and Environmental Fields", September 12-14, 2018, University "G. d'Annunzio" of Chieti-Pescara, Pescara.

X World Conference Spatial Econometrics Association 2016, Rome, June 13-15, 2016.

Intermediate Workshop of Italian Statistical Society, September 2009, University "G. d'Annunzio" of Chieti-Pescara, Pescara.

Health Econometrics Workshop, 4-6 Dicembre 2008, University of Milan Bicocca, Milan.

International Workshop on Spatial Econometrics and Statistics, 25-27 May 2006, Luiss, Roma.

Organization of sessions on Spatial Econometrics at:

XXXVII Conferenza scientifica annuale AISRe, Ancona, September 20-22, 2016.
XXXVII Conferenza scientifica annuale AISRe, Palermo, September 2-4, 2013.
SIS 2013 Statistical Conference, Advances in Latent Variables - Methods, Models and Applications, Brescia, June 19-21, 2013.

SCIENTIFIC COLLABORATIONS

Member of the Board of the Doctoral Programme in Business, Institutions and Markets, University "G. d'Annunzio" of Chieti – Pescara (2013 -).

FAO, Global Strategy Research Plan, International consultant for designing field tests for assessing methodological and operational solutions to gaps and issues on methods for using remote sensing for agricultural and rural statistics (November 2013-February 2014).

APAT (Agency for Environmental Protection and Technical Services), Research Project "Analysis of current methodologies for the construction of indicators: spatial aggregation and presentation" (June 2004 – June 2005).

Member of the Board of the Doctoral Programme in Economics and Business, University "G. d'Annunzio" of Chieti – Pescara (2010 -2013).

Member of the Board of the Doctoral Programme in Economics of Enterprises and Financial of Intermediary, University "G. d'Annunzio" of Chieti – Pescara (2003 - 2010).

APAT (Agency for Environmental Protection and Technical Services), Research Project "Analysis of current methodologies for the construction of indicators: spatial aggregation and presentation" (2004 - 2005).

OTHER PROFESSIONAL EXPERIENCES

Sviluppo Cooperazione e Occupazione s.c.p.a. for the definition of a statistical survey on formative and professionals needs of the enterprises of Abruzzo (2003)

Abruzzo Lavoro for the monitoring of the efficacy of some rules for the incentive of the Abruzzo enterprises (2001-2002)

INFORMATICS

Apple MacOS, Microsoft Office MAC.
Microsoft Windows, Microsoft Office.
R, R Studio, SAS, SPSS, STATA, E-Views, Statgraphics, Matlab, GeoDa, GeoDa Space, GRASS.