

CURRICULUM VITAE

PERSONAL INFORMATION

Name and surname: MASSIMO MUCCIARDI
Date of birth: 10 June 1967
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ACADEMIC QUALIFICATIONS

- Associate Professor of Social Statistics (S.S.D. STAT-03/B) at the Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina, since 10 January 2022.
- Successful candidate in the selection procedure for Full Professor of Social Statistics (S.S.D. STAT-03/B) at the Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina, pursuant to Article 24, paragraph 6, of Law 240/2010, awaiting appointment to the role.
- National Scientific Qualification for the position of Full Professor in the competition sector 13/STAT-03 - Demography and Social Statistics, S.S.D. STAT-03/B - Social Statistics, since 20 November 2023.
- Aggregate Professor since academic year 2010/2011, pursuant to Article 6, paragraph 4, of Law 240/2010.
- Research Fellowship in Demography at the Faculty of Political Sciences, University of Messina, from 1 June 2000 to 31 May 2004.
- Post-doctoral activity in Statistics at the Faculty of Statistical Sciences, University of Messina, from 1 December 1998 to 31 May 2000.
- PhD in Statistics and Environmental Resources (8th cycle), awarded by the University of Bari on 19 September 1997; administrative seat: Faculty of Statistical Sciences, University of Messina, academic years 1993/1994, 1994/1995 and 1995/1996.
- Degree in Statistical and Demographic Sciences, awarded on 28 March 1992 by the University of Messina, with a final mark of 110/110 cum laude.
- University Diploma in Statistics, awarded on 29 November 1989 by the University of Messina, with a final mark of 70/70 cum laude.

PROFESSIONAL QUALIFICATIONS AND MAIN APPOINTMENTS

- Teaching qualification in Applied Mathematics, obtained on 14 December 2000 at the Regional Education Authority of Palermo, with a score of 86/100.
- Professional qualification in Statistical Disciplines, obtained on 18 September 1996 at the University of Messina, certificate of eligibility no. 452 of 23 September 1996.
- Member of the University Statistical Centre, from 29 October 2013 to 30 September 2018.
- Designated scientific coordinator of the memorandum of understanding between the Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina (COSPECS) and the General Confederation of Italian Labour of Messina (C.G.I.L.), since 29 September 2025.
- Designated scientific coordinator of the memorandum of understanding between the Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina (COSPECS) and the Juvenile Social Service Office (USSM) of Messina, since 1 July 2024.
- Director of the Messina section of the Interuniversity Centre for Quantitative, Socio-economic and Epidemiological Research on the Perception and Communication of Environmental and Health Risk "PRISMA", since June 2012.
- Appointment as scientific assistant for territorial analysis, opportunities for economic exchange and cooperation relations between Sicily and Malta, Interregional Key Networking Open Innovation Project (I-KNOW), from 10 June 2020 to 31 December 2020.
- Appointment as senior researcher for the definition of the socio-economic research model supporting innovative socio-occupational integration interventions, the development of the survey methodology, the preparation

of field data collection tools, and the monitoring and evaluation of the research in the Municipality of Villafranca Tirrena (ME), ESF Project 2014-2020, PON Inclusion, from 25 March 2019 to 31 December 2019.

- Appointment as researcher for the statistical analysis of territorial data within the project “Which governance for rural areas, between reduction in public service provision and rural welfare”, University of Cagliari, from 26 February 2019 to 28 March 2019.
- Appointment as researcher within the FAMI project, aimed at carrying out quantitative field research and preparing annual reports for the Regional Observatory on Immigration in Sicily, from 4 September 2017 to 31 December 2018.
- Appointment as Statistics researcher for the census and monitoring of tourist itineraries in the Patti-Milazzo-Aeolian Islands-Messina area, within the project “I Cinque Colori”, academic year 2015/2016.
- Appointment by the Presidency of the Council of Ministers, CNB-MIUR protocol, to carry out the survey on the integration of bioethics in upper secondary schools, 2013.
- Appointment as Statistics researcher on behalf of WHO, World Health Organization, to carry out the “Multi-purpose survey on the population of an at-risk area: Valle del Mela and Augusta-Syracuse”, academic year 2007/2008.
- Appointment as coordinator of the research project “Sicily: tourism and technology”, in collaboration with INTEL, academic year 2006/2007.
- Appointment as Statistics researcher at the University Consortium for the international promotion of tourism in Taormina (ME), University Diploma course in “Technology and management of small and medium-sized tourism organizations”, academic year 2003/2004.
- ISTAT researcher at the Central Directorate for Population and Territorial Statistics, Environment Service, from 15 November 1997 to 30 November 1998.
- Statistical officer, former VIII functional qualification, at the Ministry of Health in Rome, from 1 December 1998 to 31 August 2001, on extraordinary leave/leave of absence for study purposes.
- Statistics expert in the State Examination boards for Statistical Disciplines, sessions 1997, 1998, 2000 and 2005.
- Ordinary member of the Italian Society of Economics, Demography and Statistics.

SCIENTIFIC ACTIVITY

Journal publications

1. **Mucciardi, M.** (2026). Spatial Jensen-Shannon divergence: A local, multiscalar measure of multigroup compositional dissimilarity. *Population, Space and Place*. ISSN: 1544-8444; 1544-8452.
2. **Mucciardi, M.** (2026). From municipal centres to ultra-remote zones: Foreign settlement patterns across Italy's inner areas. *Rivista Italiana di Economia, Demografia e Statistica*, LXXX(1), 27-38. ISSN: 0035-6832.
3. Campolo, M. G., Cava, A., **Mucciardi, M.**, & Pizzimenti, D. M. (2025). Between staying and leaving: Understanding depopulation in Sicily's inner areas. *Cities*. ISSN: 0264-2751; 1873-6084.
4. **Mucciardi, M.** (2025). Extending the classical Gini index through a multiscalar spatial concentration framework. *Spatial Demography*. ISSN: 2364-2289; 2164-7070.
5. **Mucciardi, M.**, & Benassi, F. (2025). Spatializing Shannon entropy: A Gaussian kernel approach to studying the territorial distribution of selected foreign population groups in Italy. *Quality & Quantity*. ISSN: 0033-5177; 1573-7845.
6. Vicario, C. M., Nitsche, M. A., Lucifora, C., Perconti, P., Salehinejad, M. A., Tomaiuolo, F., Massimino, S., Avenanti, A., & **Mucciardi, M.** (2025). Timing matters! Academic assessment changes throughout the day. *Frontiers in Psychology*, 16, 1-9. ISSN: 1664-1078.
7. **Mucciardi, M.** (2025). A novel approach to assess the distance between the settlement patterns of two populations. *Geographical Analysis*. ISSN: 1538-4632.
8. Bitonti, F., Ghio, D., Mazza, A., & **Mucciardi, M.** (2024). Residential segregation in Messina (Southern Italy): An information theory based study. *Rivista Italiana di Economia, Demografia e Statistica*, LXXIX(3), 179-189. ISSN: 0035-6832.
9. Vicario, C. M., **Mucciardi, M.**, Faraone, G., Lucifora, C., Schade, H. M., Falzone, A., Salehinejad, M. A., Craparo, G., & Nitsche, M. A. (2024). Individual predictors of vaccine hesitancy in the Italian post-COVID-19 pandemic era. *Human Vaccines & Immunotherapeutics*. ISSN: 2164-554X.
10. Amante, M., & **Mucciardi, M.** (2024). A look at the local growth of the main foreign communities in Italy over the last twenty years. *Rivista Italiana di Economia, Demografia e Statistica*, LXXIX(3), 127-138. ISSN: 0035-6832.
11. Vitale, G., Briglia, A., **Mucciardi, M.**, & Carlier, A. (2024). To be or to have? That is the question: Auxiliary selection in Italian. *Isogloss*. ISSN: 2385-4138.
12. Vicario, C. M., **Mucciardi, M.**, Perconti, P., Lucifora, C., Nitsche, M. A., & Avenanti, A. (2024). The impact of the COVID-19 pandemic on academic performance: A comparative analysis of face-to-face and online assessment. *Frontiers in Psychology*. ISSN: 1664-1078.
13. Vicario, C. M., Maugeri, N., Lucifora, C., Prato, A., **Mucciardi, M.**, Martino, D., & Rizzo, R. (2023). Evidence for a dissociation between moral reasoning and moral decision-making in Tourette syndrome. *Journal of Neuropsychology*. ISSN: 1748-6645.
14. Conti, C., **Mucciardi, M.**, & Simone, M. (2023). Exploring the settlement models of the main foreign communities residing in Italy (2003-2021). *Social Sciences*. ISSN: 2076-0760.
15. Benassi, F., **Mucciardi, M.**, & Pirrotta, G. (2023). Looking for a new approach to measuring the spatial concentration of the human population. *Journal of Official Statistics*. ISSN: 2001-7367.
16. Benassi, F., **Mucciardi, M.**, Carella, M., Naccarato, A., & Salvati, L. (2023). Spatial segregation in action? An empirical assessment of population concentration of foreigners and nationals in Italy, 2002-2018. *International Migration Review*, 1-29. ISSN: 1747-7379.
17. Benassi, F., Gallo, G., & **Mucciardi, M.** (2023). Local population changes as a spatial varying multiscale process: The Italian case (2011-2019). *International Journal of Population Studies*. ISSN: 2424-8150; 2424-8606.
18. **Mucciardi, M.**, & Benassi, F. (2023). Measuring the spatial concentration of population: A new approach based on the graphical representation of the Gini index. *Quality & Quantity*. ISSN: 0033-5177; 1573-7845.
19. D'Urso, P., **Mucciardi, M.**, Otranto, E., & Vitale, V. (2022). Community mobility in the European regions during COVID-19 pandemic: A partitioning around medoids with noise cluster based on space-time autoregressive models. *Spatial Statistics*, 1-22. ISSN: 2211-6753.
20. Tomaselli, V., & **Mucciardi, M.** (2021). Mobility and mortality in COVID-19 epidemic: A spatial analysis. *Rivista Italiana di Economia, Demografia e Statistica*, LXXV(2), 37-48. ISSN: 0035-6832.

21. Ofria, F., & **Mucciardi, M.** (2021). Government failures and nonperforming loans in European countries: A spatial approach. *Journal of Economic Studies*, 1-12. ISSN: 0144-3585.
22. Algeri, C., Forgione, F., & **Mucciardi, M.** (2021). Spatial dependence in small cooperative bank risk behavior and its effects on bank competitiveness and SMEs. *Applied Stochastic Models in Business and Industry*, 1-17. ISSN: 1526-4025.
23. Scrofani, L., Mazza, A., & **Mucciardi, M.** (2020). Trasformazioni urbane e distribuzione spaziale degli immigrati stranieri a Messina. *Geotema, Supplemento 2020*, 75-88. ISSN: 1126-7798.
24. Otranto, E., & **Mucciardi, M.** (2018). Clustering space-time series: FSTAR as a flexible STAR approach. *Advances in Data Analysis and Classification*, 1-25. DOI: 10.1007/s11634-018-0314-5. ISSN: 1862-5347.
25. **Mucciardi, M.**, Altavilla, A., & Mazza, A. (2017). Analysis of the residential pattern of foreign immigrants in Catania using GWR modelling. *Rivista Italiana di Economia, Demografia e Statistica*, LXXI(2), 1-17. ISSN: 0035-6832.
26. Arnone, M., **Mucciardi, M.**, & Ofria, F. (2017). Contesto socio-ambientale e rischiosità bancaria: Un'analisi a scala regionale. *EyesReg*, 7, 1-8. ISSN: 2239-3110.
27. Arnone, M., **Mucciardi, M.**, & Ofria, F. (2017). The impact of criminality on the riskiness of cooperative credit banks in Italy: A macro regional approach. *Rivista Bancaria - Minerva Italica*, 2-3, 31-65. ISSN: 1594-7556.
28. De Santis, G., & **Mucciardi, M.** (2016). From Euclidean distances to APC models. *Quality & Quantity*. ISSN: 0033-5177; 1573-7845.
29. Quattropiani, M. C., Lenzo, V., **Mucciardi, M.**, & Toffle, M. E. (2016). Metacognition as predictor of emotional distress in cancer patients. *Life Span and Disability*, XIX, 221-239. ISSN: 2035-5963.
30. Scimone, C., Bramanti, P., Ruggeri, A., Donato, L., Alafaci, C., Crisafulli, C., **Mucciardi, M.**, Rinaldi, C., Sidoti, A., & D'Angelo, R. (2016). CCM3/SERPINI1 bidirectional promoter variants in patients with cerebral cavernous malformations: A molecular and functional study. *BMC Medical Genetics*, 17, 74-80. DOI: 10.1186/s12881-016-0332-0. ISSN: 1471-2350.
31. **Mucciardi, M.**, Lenzo, V., Toffle, M. E., & Quattropiani, M. C. (2016). Metacognition by gender: A pilot study based on canonical correlation analysis. *The European Proceedings of Social & Behavioural Sciences*. ISSN: 2357-1330.
32. Quattropiani, M. C., Lenzo, V., Faraone, C., Pistorino, G., Di Bella, I., & **Mucciardi, M.** (2016). The role of metacognition in eating behavior: An exploratory study. *Mediterranean Journal of Clinical Psychology*, 3(4). ISSN: 2282-1619.
33. Settineri, S., **Mucciardi, M.**, Leonardi, V., Gioffrè, M., Famà, F., Muscatello, M. R., & Mento, C. (2016). Meteorological conditions and psychiatric emergency visits in Messina, Italy. *International Journal of Psychological Research*, 9, 72-82. ISSN: 2011-2084.
34. **Mucciardi, M.**, & De Santis, G. (2015). Cultural versus objective distances: The DBS-EM approach. *Social Indicators Research*, 124(3), 1-16. ISSN: 0303-8300.
35. Otranto, E., **Mucciardi, M.**, & Bertuccelli, P. (2015). Spatial effects in dynamic conditional correlations. *Journal of Applied Statistics*, 1-25. ISSN: 0266-4763; 1360-0532.
36. Quattropiani, M. C., Lenzo, V., **Mucciardi, M.**, & Toffle, M. E. (2015). The role of metacognitions in predicting anxiety and depression levels in cancer patients ongoing chemotherapy. *Procedia - Social and Behavioral Sciences*, 205. ISSN: 1877-0428.
37. Mento, C., Lo Presti, E., **Mucciardi, M.**, Sinardi, A., Liotta, M., & Settineri, S. (2015). Serious suicide attempts: Evidence on variables for manage and prevent this phenomenon. *Community Mental Health Journal*, 245-251. DOI: 10.1007/s10597-015-9933-x. ISSN: 1573-2789.
38. **Mucciardi, G.**, Gali, A., Barresi, V., **Mucciardi, M.**, Aguenouz, M., Inferrera, A., & Magno, C. (2014). Telomere instability in papillary bladder urothelial carcinomas: Comparison with grading and risk of recurrence. *Indian Journal of Urology*, 30(3), 244-251. DOI: 10.4103/0970-1591.134241. ISSN: 0970-1591.
39. Lenzo, V., Gargano, M. T., **Mucciardi, M.**, Lo Verso, G., & Quattropiani, M. C. (2014). Clinical efficacy and therapeutic alliance in a time-limited group therapy for young adults. *Research in Psychotherapy*, 17, 9-20. ISSN: 2239-8031.
40. Quattropiani, M. C., Lenzo, V., **Mucciardi, M.**, & Toffle, M. E. (2014). Psychometric properties of the Italian version of the short form of the Metacognitions Questionnaire (MCQ-30). *Bollettino di Psicologia Applicata*, LXII, 29-41. ISSN: 0006-6761.
41. **Mucciardi, M.** (2013). Student time allocation and self-rated performance: Evidence from a sample survey in Sicily (Italy). *Electronic International Journal of Time Use Research*, 10(1), 1-8. ISSN: 1860-9937.

42. Settineri, S., **Mucciardi, M.**, Leonardi, V., Mallamace, D., & Mento, C. (2013). The emotion of disgust in Italian students: A measure of the synthetic disgust index. *International Journal of Psychological Research*, 6(1), 21-26. ISSN: 2011-2084.
43. Mucciardi, G., Macchione, L., Gali, A., Di Benedetto, A., Subba, E., Pappalardo, R., **Mucciardi, M.**, Butticè, S., Inferrera, A., & Magno, C. (2013). Quality of life and overall survival in high risk patients after radical cystectomy with a simple urinary derivation. *Cirugía Española*, 1-7. DOI: 10.1016/j.ciresp.2013.03.012. ISSN: 0009-739X.
44. Mucciardi, G., Gali, A., Inferrera, A., Di Benedetto, A., Macchione, L., **Mucciardi, M.**, & Magno, C. (2013). Longitudinal observational cohort study about detrusor underactivity as a risk factor for bladder neck contraction after retropubic radical prostatectomy: Preliminary results. *International Urology and Nephrology*, 45(3), 721-726. ISSN: 0301-1623; 1573-2584.
45. **Mucciardi, M.**, Di Salvo, C., & Pirrotta, G. (2012). A kernel model with conditional moving windows for the prediction of transmembrane helices in proteins. *International Journal of Computer Science and Application*, 1(2), 31-37. ISSN: 2324-7134; 2324-7037.
46. **Mucciardi, M.**, Bertuccelli, P., & Esposito, S. (2012). Local spatial modelling of meteorological variables. *Advances in Mathematical and Computational Methods*, 2(3), 1-12. ISSN: 2160-0635.
47. **Mucciardi, M.**, & Bertuccelli, P. (2012). The impact of the weight matrix on the local indicators of spatial association: An application to per-capita value added in Italy. *International Journal of Trade and Global Markets*, 5(2), 133-141. ISSN: 1742-755X; 1742-7541.
48. Mucciardi, G., Gali, A., **Mucciardi, M.**, Anastasi, G., Ciccarello, Inferrera, A., Macchione, L., & Magno, C. (2012). Telomere length, telomerase activity and telomere-binding proteins in bladder cancer: Relationship with grading and recurrence. *Anticancer Research*, 31, 1941-1942. ISSN: 0250-7005.
49. **Mucciardi, M.**, & Bertuccelli, P. (2011). L'analisi spaziale locale della presenza degli stranieri in Italia. *Rivista Italiana di Economia, Demografia e Statistica*, LXIV(4), 223-230. ISSN: 0035-6832.
50. **Mucciardi, M.**, & Bertuccelli, P. (2011). A GWR model for local analysis of demographic relationships. *China-USA Business Review*, 10(3), 236-244. ISSN: 1537-1514.
51. Signorino, G., Pasetto, R., Gatto, E., **Mucciardi, M.**, La Rocca, M., & Mudu, P. (2011). Gravity models to classify commuting vs. resident workers: An application to the analysis of residential risk in a contaminated area. *International Journal of Health Geographics*, 10, Article 11, 1-10. ISSN: 1476-072X.
52. **Mucciardi, M.**, & Bertuccelli, P. (2009). Struttura familiare e rischio povertà in Italia: Un'analisi attraverso i dati della Banca d'Italia. *Rivista Italiana di Economia, Demografia e Statistica*, LXIII(3-4), 147-154. ISSN: 0035-6832.
53. **Mucciardi, M.** (2009). A distance decay model for local spatial statistics. *Rendiconti del Circolo dei Matematici di Palermo*, 81, 289-298. ISSN: 0009-725X.
54. Alibrandi, A., **Mucciardi, M.**, & Silaro, M. (2009). Uno studio statistico sulla propensione all'iscrizione universitaria in un campione di maturandi nel comune di Messina. *Induzioni*, 38. ISSN: 1120-690X.
55. Currò, G., Jiao, L., Scisca, C., Baccarini, U., **Mucciardi, M.**, Habib, N., & Navarra, G. (2008). Radiofrequency-assisted resection in cirrhotic patients with hepatocellular carcinoma. *Journal of Surgical Oncology*. ISSN: 0022-4790.
56. **Mucciardi, M.** (2008). Geographic information and global index of spatial variability. *Rendiconti del Circolo dei Matematici di Palermo*, 80. ISSN: 0009-725X.
57. Di Pino, A., **Mucciardi, M.**, & Campolo, G. (2008). A S.U.R.E. estimation procedure of Italian intra-household working-time allocation. *Rendiconti del Circolo dei Matematici di Palermo*, 80. ISSN: 0009-725X.
58. **Mucciardi, M.**, & Bertuccelli, P. (2008). Le tipologie di software nell'analisi statistica spaziale. *Statistica & Società*, 5(1-3), 10-15. ISSN: 1722-8506.
59. **Mucciardi, M.**, & Rizzi, E. (2006). L'influenza delle condizioni socio-economiche sulla formazione della famiglia numerosa. *Rivista Italiana di Economia, Demografia e Statistica*, LX, 369-380. ISSN: 0035-6832.
60. **Mucciardi, M.** (2005). Come organizzano il loro tempo gli studenti della scuola superiore? Un'indagine pilota nella provincia di Messina. *Induzioni*, 30, 107-120. ISSN: 1120-690X.
61. **Mucciardi, M.** (2003). Le indagini statistiche nell'ambito del Progetto Accoglienza in un istituto superiore. *Induzioni*, 27, 23-32. ISSN: 1120-690X.
62. Di Pino, A., & **Mucciardi, M.** (2002). Analisi statistico-categoriale della transizione al pensionamento in Italia. *Rivista di Diritto ed Economia dello Stato Sociale*, 1, 39-59. ISSN: 1592-8624.
63. Di Pino, A., & **Mucciardi, M.** (2002). *A categorical-statistical analysis of retirement in Italy* (Quaderni di Economia, Statistica ed Analisi del Territorio, No. 40). Università degli Studi di Messina.

64. Di Pino, A., & **Mucciardi, M.** (2002). *Salari di riserva e costi-opportunità dei figli in Italia: Una procedura per la stima e l'analisi differenziale* (Quaderni di Economia, Statistica ed Analisi del Territorio, No. 39). Università degli Studi di Messina.
65. **Mucciardi, M.** (2000). Misure di autocorrelazione spaziale tramite sistema integrato di interconnessione. *Annali della Facoltà di Statistica, Università degli Studi di Messina, 1999-2000.*
66. **Mucciardi, M.** (1999). La stima della percentuale di errore in un archivio informatico. *Annali della Facoltà di Economia, Università degli Studi di Messina, 249-256.* ISSN: 0543-5579.
67. Cambria, A., & **Mucciardi, M.** (1998). Indagine conoscitiva sulla propensione all'iscrizione universitaria nella città di Messina: Il quadro del 1998. *Annali della Facoltà di Economia, Università degli Studi di Messina.* ISSN: 0543-5579.
68. **Mucciardi, M.** (1998). Analisi statistica sull'orientamento universitario a Messina: L'esperienza del 1997. *Giornale dell'Ordine degli Ingegneri di Messina, 3-4.*
69. **Mucciardi, M.** (1997). Sulla significatività statistica delle misure di autocorrelazione spaziale: Un'applicazione a variabili demografiche. *Annali della Facoltà di Economia, Università degli Studi di Messina.* ISSN: 0543-5579.
70. **Mucciardi, M.** (1997). Statistica del flusso studentesco nell'Istituto Nautico Caio Duilio di Messina. *Giornale dell'Ordine degli Ingegneri di Messina, 4.*
71. **Mucciardi, M.** (1996). Statistica spaziale in campo ambientale. *Giornale dell'Ordine degli Ingegneri di Messina, 5.*
72. **Mucciardi, M.** (1996). Uno studio strutturale sui lavori eseguiti nelle opere pubbliche in Italia nel 1991. *Annali della Facoltà di Economia, Università degli Studi di Messina.* ISSN: 0543-5579.
73. **Mucciardi, M.** (1995). Statistica multidimensionale ed inquinamento acustico. *Giornale dell'Ordine degli Ingegneri di Messina, 7.*
74. **Mucciardi, M.** (1995). Analisi esplorativa sul livello d'inquinamento acustico da traffico veicolare nella città di Messina. *Annali della Facoltà di Economia, Università degli Studi di Messina, 1991-1995, Tomo 2.* ISSN: 0543-5579.

Book chapters and essays

1. Bitonti, F., Ghio, D., Mazza, A., & **Mucciardi, M.** (2025). An information theory approach to assess residential segregation: The case of Messina (Italy). In *Methodological and Applied Statistics and Demography* (Italian Statistical Society Series on Advances in Statistics, Vol. 6, pp. 205-210). Springer. ISBN: 978-3-031-64345-3.
2. Zanutelli, F., Bachis, F., Fanoli, F., Trentanove, F., & **Mucciardi, M.** (2025). Primo-report sull'antropologia professionale in Italia. *Associazione Nazionale Professionale Italiana di Antropologia* (pp. 1-278). ANPIA. ISBN: 9791298549104.
3. Girasella, E., & **Mucciardi, M.** (2025). Consistenza della popolazione di origine straniera a Messina: Una lettura dei dati statistici alla luce dell'esercizio dei diritti in capo ai migranti. In *L'Università per il rafforzamento dei servizi di accoglienza ai migranti: Esperienze di public engagement in co-progettazione* (pp. 103-117). Aracne. ISBN: 979-12-218-1700-3.
4. Bitonti, F., Mazza, A., **Mucciardi, M.**, & Scrofani, L. (2023). Urban transformations and the spatial distribution of foreign immigrants in Messina. In *Models for Data Analysis* (Springer Proceedings in Mathematics & Statistics, pp. 53-67). Springer. ISBN: 978-3-031-15885-8.
5. Briglia, A., **Mucciardi, M.**, & Pirrotta, G. (2023). Statistical model for predicting child language acquisition: Unfolding qualitative grammatical development by using logistic regression model. In *Studies in Theoretical and Applied Statistics* (Springer Proceedings in Mathematics & Statistics, pp. 91-104). Springer. ISBN: 978-3-031-16609-9.
6. **Mucciardi, M.** (2022). L'insediamento degli stranieri a Messina: Un'analisi territoriale. In *Lo straniero. Confronti interdisciplinari e itinerari di ricerca* (pp. 12-32). Corisco Edizioni. ISBN: 978-88-98138-39-5.
7. Toffle, M. E., **Mucciardi, M.**, Barany, L., Al Issa, M., & Raimondi, E. (2021). Building resilience in Yazidi IDP children through ELT: An experimental survey. In *Voices of Creativity and Reason in English Language Teaching* (pp. 215-234). Cambridge Scholars Publishing. ISBN: 1-5275-75-19-5.

8. **Mucciardi, M.** (2021). Local and global analysis of fertility rate in Italy. In *Smart Technologies for Society, State and Economy* (pp. 465-474). Springer. ISBN: 978-3-030-59126-7.
9. **Mucciardi, M.**, Toffle, M. E., & Lucchese, G. (2021). Social inclusion of Sicily immigrants: An attempt to measure social integration. In *Migration, Social Entrepreneurship and Social Inclusion* (pp. 135-155). Editoriale Scientifica. ISBN: 979-12-5976-020-3.
10. **Mucciardi, M.** (2020). La geografia del crimine e della sicurezza percepita in Italia: Un'analisi attraverso i dati BES-ISTAT. In *Il gioco del killer: Culture mafiose e minori* (pp. 117-127). Franco Angeli Editore. ISBN: 9788891797766.
11. Fernando, E., & **Mucciardi, M.** (2019). Tempo libero e religione: Un'analisi sulla percezione della valenza della fede. In *Economia, Territorio e Azienda: Lineamenti e Prospettive di Analisi* (pp. 203-212). Aracne Editrice. ISBN: 978-88-255-3038-4.
12. Crisafulli, L., La Rosa, I. M., & **Mucciardi, M.** (2017). Strategie di analisi per la valutazione dell'impatto dell'uso dello smartphone sul rendimento scolastico. In *Economia, Territorio e Azienda: Lineamenti e Prospettive di Analisi* (pp. 159-174). Aracne Editrice. ISBN: 978-88-255-1798-9.
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2. Briglia, A., **Mucciardi, M.**, & Pirrotta, G. (2022). The development of word frequency distribution in first language acquisition: An analysis on a spoken language corpus of French children. In *Proceedings of the 16th International Conference on Statistical Analysis of Textual Data (JADT2022)* (July 6-8, 2021). ISBN: 979-12-80153-30-2.
3. **Mucciardi, M.**, Pirrotta, G., & Briglia, A. (2021). EM clustering method and first language acquisition. In *Book of Short Papers of the 5th International Workshop on Models and Learning for Clustering and Classification (MBC2 2020)* (September 18, 2020, online). ISBN: 9788855265393.
4. **Mucciardi, M.**, Briglia, A., Pirrotta, G., & Sallaberry, A. (2021). Visualizing cluster of words: A graphical approach to grammar acquisition. In *CLADAG 2021 Book of Abstracts and Short Papers* (Proceedings e Report, September 8-11, 2021, online). ISBN: 978-88-5518-340-6.
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7. Briglia, A., & **Mucciardi, M.** (2020). A computationally-based approach to the understanding of child's phonological development: A case study on a set of longitudinal corpora. In *PLM2020: 50th Poznań Linguistic Meeting* (Poznań, Poland, September 20, 2020, online).
8. Briglia, A., & **Mucciardi, M.** (2020). Data mining and first language acquisition: A case study on a French corpus. In *UKCLC Conference* (Birmingham, UK, July 27-29, 2020, online).
9. Briglia, A., **Mucciardi, M.**, & Sauvage, J. (2020). Mining longitudinal corpus of spontaneous speech: A graph-based approach to child phonetic variation. In *Theoretical and Experimental Linguistics: A Two-Way Interaction* (Thessaloniki, May 7-9, 2020, online).
10. Briglia, A., & **Mucciardi, M.** (2020). Reinterpreting first language phonetic acquisition through data mining: A case study. In *mFiL 2020: Manchester Forum in Linguistics 2020* (Manchester, UK, April 30-May 1, 2020, online).
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12. Cocuccio, V., & **Mucciardi, M.** (2020). The joint effect of childcare services and flexible female employment on fertility rate in Europe. In *Proceedings of the 50th Scientific Meeting of the Italian Statistical Society* (Pisa, June 22-24).
13. Briglia, A., & **Mucciardi, M.** (2019). Text data mining and child phonetic variation: A case study on a French corpus. In *AISC 2019: XVI Annual Conference of the Italian Association of Cognitive Sciences* (Rome, December 11-13, 2019).
14. Mazza, A., & **Mucciardi, M.** (2018). Spatial segregation of immigrant household in Messina. In *Proceedings of the 49th Scientific Meeting of the Italian Statistical Society* (June 20-22, 2016). ISBN: 9788891910233.
15. De Santis, G., & **Mucciardi, M.** (2016). A (partial) solution to the intractability of APC models. In *Proceedings of the 48th Scientific Meeting of the Italian Statistical Society* (June 8-10, 2016). ISBN: 9788861970618.
16. De Santis, G., & **Mucciardi, M.** (2015). Culturally close? Easier said than measured. In *Statistics and Demography: The Legacy of Corrado Gini* (C. Crocetta, Ed., Treviso, September 9-11, 2015). ISBN: 978 88 678.
17. Quattropani, M. C., **Mucciardi, M.**, Lenzo, V., Pistorino, G., Di Bella, I., & Faraone, C. (2015). Strategie di controllo metacognitive e funzioni esecutive in persone con obesità: Implicazioni per un nuovo approccio alla prevenzione e al trattamento. In *Psicologia della Salute e Salute della Psicologia* (pp. 62-63). ISBN: 978-88-6318-008-4.

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22. **Mucciardi, M.**, & Bertuccelli, P. (2010). The GWR model: An investigation of spatial determinants of the local TFR in Italy. In *Atti della XLV Riunione Scientifica della Società Italiana di Statistica* (Padua, June 16-18, 2010). ISBN: 978-88-6129-566-7.
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26. **Mucciardi, M.**, & Bertuccelli, P. (2008). A comparison of spatial outliers using different algorithms for constructing of weights system. In *Atti del convegno Metodi, Modelli e Tecnologie dell'Informazione a Supporto delle Decisioni* (Università del Salento, Lecce, September 18-20). ISBN: 978-88-8305-060-2.
27. Di Pino, A., **Mucciardi, M.**, & Campolo, G. (2008). Il tempo lavorativo nelle famiglie ricostituite in Italia. In *Atti dei Convegni dei Lincei* (Vol. 242, pp. 161-179). Roma: Bardi Editore. ISBN: 978-88-218-0997-2.
28. Limosani, M., & **Mucciardi, M.** (2008). Regional employment evolution in Italy: Some preliminary results. In *XXIII National Conference of Labour Economics* (Università degli Studi di Brescia, September 11-12).
29. Signorino, G., Pasetto, R., **Mucciardi, M.**, Gatto, E., La Rocca, M., & Mudu, P. (2008). Commuting and health: The definition of risk areas, mobility patterns of population and epidemiological cohort studies - The case of Gela. In *ERSA 2008: Culture, Cohesion and Competitiveness: Regional Perspectives. 48th Congress of the European Regional Science Association* (Liverpool, UK, August 27-31, 2008).
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32. **Mucciardi, M.**, & Bertuccelli, P. (2007). S-JOINT: A new software for the analysis of spatial data. In *Atti della Riunione Scientifica Intermedia della Società Italiana di Statistica* (Venice, June 6-8). ISBN/ISSN: 978-88-6129-093-8.
33. Di Pino, A., **Mucciardi, M.**, & Campolo, G. (2007). Estimation of working-time allocation of Italian families. In *Atti della Riunione Scientifica Intermedia della Società Italiana di Statistica* (Venice, June 6-8). ISBN/ISSN: 978-88-6129-093-8.
34. La Tona, L., Mazza, A., & **Mucciardi, M.** (2006). A generalized weight matrix for autocorrelated superficial data. In *Spatial Data Methods for Environmental and Ecological Processes - Book of Abstracts* (B. Cafarelli, G. J. Lasinio, & A. Pollice, Eds.). WIP Edizioni. ISBN/ISSN: 8884590787.
35. La Tona, L., Mazza, A., & **Mucciardi, M.** (2005). A distance weight matrix determination for superficial spatial data. In *Atti della Riunione Scientifica Intermedia della Società Italiana di Statistica* (Contributed papers, pp. 35-38, Messina, June 21-23, 2005). ISBN/ISSN: 88-7178-531-2.

36. **Mucciardi, M.** (2005). Rendimento scolastico tra contesto socio-famigliare e uso del tempo. In *Giornate di Studio sulla Popolazione* (Padua, February 16-18, 2005, p. 108).
37. Di Pino, A., & **Mucciardi, M.** (2002). Estimation of woman's job-search intensity and children's opportunity cost in Italy. In *Atti della XLI Riunione Scientifica della Società Italiana di Statistica* (Vol. 1, pp. 175-178, Milano-Bicocca, June 5-7, 2002).
38. **Mucciardi, M.** (1998). La procedura DSMA per la misura dell'intensità dei legami tra unità spaziali di tipo puntuale. In *Atti della XXXIX Riunione Scientifica SIS* (Vol. II, Sorrento, April 14-17, 1998).
39. **Mucciardi, M.** (1998). Le tematiche ambientali e gli strumenti statistico-contabili sviluppati in ISTAT. In *Atti del convegno su L'attività statistica nel settore della difesa ambientale* (Dipartimento di Scienze Statistiche, Università di Messina, October 7, 1998).
40. Allegra, A., **Mucciardi, M.**, & Crisafi, E. (1996). Variazione della biomassa batterica e microplanctonica nello Stretto di Messina. In *XII Congresso Nazionale di Oceanologia e Limnologia* (Isola di Vulcano, ME).
41. **Mucciardi, M.** (1996). Un algoritmo per la definizione di un sistema di interconnessioni tra unità territoriali di tipo puntuale. In *Atti della XXXVIII Riunione Scientifica SIS, Sezione Dottorandi* (Rimini, April 13, 1996).
42. **Mucciardi, M.** (1996). Una nuova matrice di pesi negli indici di autocorrelazione spaziale nel trattamento di variabili ambientali: Matrici di distanza convenzionale. In *Annali di Statistica, Serie X, Vol. 10* (Atti del convegno "L'informazione statistica per il governo dell'ambiente", ISTAT e SIS, Rome, January 29-30, 1996).

Working papers, newspaper articles and other outputs

1. Otranto, E., & **Mucciardi, M.** (2016). A flexible specification of space-time autoregressive models. *CRENOS Working Paper 2016/08*. ISBN: 978-88-84-67-883-6.
2. Alibrandi, R., & **Mucciardi, M.** (2015). Smartphone, tablet e rendimento scolastico: Un report sui "nativi digitali" di una scuola siciliana. *Nel Merito*.
3. Otranto, E., **Mucciardi, M.**, & Bertuccelli, P. (2014). Spatial effects in dynamic conditional correlations. *CRENOS Working Paper 2014/06*. ISBN: 978-88-84-67-883-6.
4. **Mucciardi, M.** (1997). Un algoritmo per la definizione di un sistema di interconnessioni tra unità territoriali di tipo puntuale. *Tesi di Dottorato di Ricerca, VIII ciclo*. Università degli Studi di Messina.

INVITED TALKS AND SEMINARS

1. Mucciardi, M. (2025, 8 November). Territorial inequalities in vaccination coverage in Italy [invited talk]. Final event of the national PRIN project "At the roots of the anti-vaccination attitude. A study on the psychophysiological correlates of hesitation and resistance to the COVID-19 vaccine", Aula Magna, Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina.
2. Mucciardi, M. (2025, 8 July). Size of the foreign population: A local and national analysis [webinar]. Integration between challenges and opportunities - A study on socio-economic conditions of refugees in Italy and The University for strengthening migrant reception services, Manifesto Webinar - UNHCR, The UN Refugee Agency.
3. Mucciardi, M. (2024, 18 June). Mapping social services in Messina project: First results [seminar]. Aula Magna, Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina.
4. Mucciardi, M. (2023, 14 March). The settlement of foreigners in Messina [seminar]. Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina.
5. Mucciardi, M. (2020, 14 December). First survey on the integration of foreigners in Messina - Year 2019 [invited talk]. Trame Migranti - Stories from the territories, Microsoft Teams platform, Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina.
6. Mucciardi, M., and Sanò, G. (2019, 7 May). Mapping social services: An experimental research project in Messina [invited talk]. Social Work, Construction of Knowledge and Community Development Practice: A matter of perspective?, Aula Magna, Dante Alighieri University for Foreigners of Reggio Calabria.
7. Mucciardi, M. (2018, 13 November). Statistical methodology and GIS for the social sciences [seminar]. Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina.
8. Mucciardi, M. (2012, 10 January). Spatial cluster and spatial outliers: The impact of the weight matrix [seminar]. Faculty of Political Sciences, University of Messina, academic year 2011/2012.
9. Mucciardi, M. and Bertuccelli, P. (2010, 15 July). The use of geographically weighted regression for the analysis of spatial data [talk]. First Research Day of the University of Messina, Messina.
10. Mucciardi, M. and Bertuccelli, P. (2009, 2 December). Children and poverty risk in Italy: An attempt at estimation [talk]. Conference PRIN "Il costo dei figli. Stima, collegamenti con la bassa fecondità italiana and indicazioni per la politica sociale".
11. Mucciardi, M. (2009, 2 October). Design of questionnaires and sampling designs [seminar]. Seminar series "Methods and research techniques for the social sciences", Faculty of Political Sciences, University of Messina, academic year 2009/2010.
12. Mucciardi, M. (2007, 27 May - 3 June). Geographic information and global index of spatial variability [talk]. VI International Conference in Stochastics Geometry, Convex Bodies, Empirical Measures, Milazzo.
13. Mucciardi, M. (2007, 9 May). Geographical information and spatial autocorrelation indices [seminar]. Faculty of Political Sciences, University of Messina, academic year 2006/2007.
14. Mucciardi, M., Di Pino, A., and Campolo, G. (2006, 10-11 November). Family types and time use in Italy [talk]. Workshop "Instabilità familiare: Aspetti causali and conseguenze demografiche, economiche and sociali", Messina.
15. Mucciardi, M. (2004, 26 July). From the questionnaire to statistical processing [talk]. Summer School in Comunicazione and Giornalismo, Limbadi (VV).
16. Mucciardi, M. (2004, 3 May). Fitting probabilistic models to empirical distributions and inferential perspective [seminar]. Faculty di Statistica, University of Messina, academic year 2003/2004.
17. Mucciardi, M. and Di Pino, A. (2000, 13-14 November). Categorical-statistical analysis of the transition to retirement in Italy [talk]. Giornata di studi in ricordo di Francesco Latella and Salvathours Maisano, Department of Economics, Statistica ed Analisi Geopolitica del Territorio, Faculty of Political Sciences, University of Messina.
18. Mucciardi, M. (1999/2000). Spatial autocorrelation: Measures and inferential tests [corso di alta formazione extracurriculare]. Faculty of Political Sciences, University of Messina.
19. Mucciardi, M. (1999, 23 March, 3-4 May). Data processing techniques in tourism [seminar]. Faculty of Economics, University of Messina.

20. Mucciardi, M. (1998, 2 March). Analysis of variance: Multi-criterion classification techniques [seminar]. Faculty di Statistica, University of Messina.
21. Mucciardi, M. (1997, February). An algorithm for defining an automatic system of interconnections among point-based spatial units [seminar]. Presentazioni delle tesi di dottorato, Department of Metodi Quantitativi and Teoria Economica, Faculty of Economics, Università degli Studi G. d'Annunzio, Pescara.
22. Mucciardi, M. (1996, 22 March). Main sampling designs in socio-economic research [seminar]. Faculty di Statistica, University of Messina.
23. Mucciardi, M. (1995, 14 February). Fitting mathematical functions to statistical variable data [seminar]. Faculty di Statistica, University of Messina.
24. Mucciardi, M. (1998, 6-7 October). Environmental issues and statistical-accounting tools developed at ISTAT [talk]. Conference "L'attività statistica nel setthours della difesa ambientale", Catanzaro and Messina.
25. Mucciardi, M. (1998, 17 April). The DSMA procedure for assessing the intensity of links among point-based spatial units [talk]. XXXIX Scientific Meeting della SIS, section Analisi dei dati spaziali ed ambientali, Rimini.
26. Mucciardi, M. (1996, 20 May). Conventional distance matrices in the analysis of spatial correlation of diffusion processes [talk]. Giornata di studi of the Istituto di Economia, Statistica ed Analisi del Territorio, Faculty of Political Sciences, University of Messina.
27. Mucciardi, M. (1996, 13 April). An algorithm for defining a system of interconnections among point-based territorial units [talk]. XXXVIII Scientific Meeting della SIS, section Dottorandi.
28. Mucciardi, M. (1995, 15 December). Introduction to spatial models. Application of spatial autocorrelation indices to environmental variables [talk]. Conference on Environmental Issues, Department of Statistica, University of Messina.

CONFERENCE PRESENTATIONS

1. Mucciardi, M., Busetta, G., Caltabiano, M., Campolo, M. G., Cava, A., Di Pino, A., Pizzimenti, D., and Trimarchi, A. (2025, 23 October). The Sicily inner areas: Insights on depopulation processes and well-being of the left-behind [conference presentation]. Final Workshop "Rethinking Territories: Challenges and Opportunities for the Future", Faculty of Economics, Sapienza University of Rome, Rome.
2. Mucciardi, M., Campolo, M. G., Cava, A., and Pizzimenti, D. (2025, 23 October). Between staying and leaving: Understanding depopulation in Sicily's inner areas [conference presentation]. Final Workshop "Rethinking Territories: Challenges and Opportunities for the Future", Faculty of Economics, Sapienza University of Rome, Rome.
3. Mucciardi, M. and Kheit, M. R. (2025, 20 September). Fhoursign entrepreneurship in the district of municipalities of Catania and Messina: Preliminary findings [workshop presentation]. Workshop Spoke 8, progetto Growing Resilient, Inclusive and Sustainable (GRINS), Catania.
4. Mucciardi, M., Busetta, G., Caltabiano, M., Campolo, M. G., Cava, A., Di Pino Incognito, A., Pizzimenti, D. M., and Trimarchi, A. (2025, 17-19 September). The Sicily inner areas: Insights on depopulation processes and well-being of the left-behind [conference presentation]. Association for Applied Statistics (ASA), Scientific Conference on Data, Statistics and AI for Well-Being of People and Organizations, University of the Republic of San Marino, San Marino.
5. Mucciardi, M., Campolo, G., Cava, A., and Pizzimenti, D. (2025, 10-12 September). Depopulation and well-being in Sicily's inner areas: A qualitative analysis through focus groups [conference presentation]. XLVI Annual Scientific Conference AISRe, "Le diseguaglianze territoriali: Prospettive per regioni and città", Pescara.
6. Mucciardi, M. (2025, 29 May). Fhoursign settlement in Italy's inner areas (SNAI) between depopulation and territorial disparities [conference presentation]. LXI Scientific Meeting della Società Italiana di Economia, Demografia and Statistica (SIEDS), "Povertà and disuguaglianze: Popolazioni and territori within the era delle transizioni", Rome Tre University, Rome.
7. Mucciardi, M., Cava, A., and Pizzimenti, D. (2024, 12-14 September). Studying the phenomenon of depopulation through focus group: The case of Castrohursale and Novara di Sicily [conference presentation]. Intermediate Conference PRIN DREAMS, Depopulation Risk: Experiences, Mobility and Subjective Well-being, University of Messina, Messina.
8. Mucciardi, M., Bitonti, F., Ghio, D., and Mazza, A. (2024, 12-14 September). An information theory approach to assess residential segregation: The case of Messina (Italy) [conference presentation]. Intermediate

Conference PRIN DREAMS, Depopulation Risk: Experiences, Mobility and Subjective Well-being, University of Messina, Messina.

9. Mucciardi, M., Bitonti, F., Ghio, D., and Mazza, A. (2024, 17-20 June). An information theory approach to assess residential segregation: The case of Messina (Italy) [conference presentation]. 52nd Edition of the Scientific Meeting of the Italian Statistical Society (SIS 2024), Bari.
10. Mucciardi, M. and Amante, M. (2024, 22-24 May). An overview of the territorial settlement of hoursign citizens in Italy over the past twenty years [conference presentation]. LX Scientific Meeting della Società Italiana di Economia, Demografia and Statistica (SIEDS), "Salute, ambiente and disuguaglianze: Istituzioni, imprese and società", University of Milan-Bicocca/Carlo Cattaneo University - LIUC, Milan-Castellanza.
11. Mucciardi, M., Benassi, F., and Pirrotta, G. (2023, 25 May). Measuring the spatial concentration of the main hoursign communities residing in Italy using a new approach [conference presentation]. LIX Scientific Meeting della Società Italiana di Economia, Demografia and Statistica (SIEDS), "Aspetti economici and sociali of the invecchiamento demografico", University of Naples Federico II, Naples.
12. Mucciardi, M., Benassi, F., Ghio, D., and Gallo, G. (2023, 12-15 April). The multiscale dimensions of local population changes in Italy (2011-2019) [conference presentation]. Population Association of America (PAA), 2023 Annual Meeting, session 1401 - Flash: Geospatial Approaches to Population Dynamics, New Orleans, Louisiana, USA.
13. Mucciardi, M., Benassi, F., Conti, C., and Simone, M. (2023, 1-3 February). Exploring the settlement models of the main hoursign communities residing in Italy (2003-2021) [conference presentation]. AISP - Popdays 2023, 14th edition, Bocconi University, Rome.
14. Mucciardi, M., Briglia, A., and Pirrotta, G. (2022, 6-8 July). The development of word frequency distribution in first language acquisition: An analysis on a spoken language corpus of French children [conference presentation]. 16th International Conference on Statistical Analysis of Textual Data, Naples.
15. Mucciardi, M., Pandey, E., and Toffle, M. E. (2021, 5-10 December). Risk of impoverishment and health system in India [poster]. 2021 International Population Conference, International Union for the Scientific Study of Population, session poster n. 16, India, virtual conference.
16. Mucciardi, M., Briglia, A., and Pirrotta, G. (2021, 21-25 June). A logistic regression model for predicting child language performance [conference presentation]. 50th Edition of the Scientific Meeting of the Italian Statistical Society (SIS 2021), Pisa, virtual conference.
17. Mucciardi, M. and Tomaselli, V. (2021, 27 May). Territorial mobility and mortality in COVID-19 pandemic: A spatial preliminary analysis [conference presentation]. LVII Scientific Meeting della SIEDS, online.
18. Mucciardi, M., Briglia, A., and Pirrotta, G. (2020, 18 September). EM clustering method and first language acquisition [workshop presentation]. Models and Learning for Clustering and Classification (MBC2), Catania, online.
19. Mucciardi, M. and Briglia, A. (2019, December). Text data mining and child phonetic variation: A case study on a French corpus [conference presentation]. AISC, Annual Conference of the Italian Association of Cognitive Sciences, Rome Tre University, Rome.
20. Mucciardi, M. and Briglia, A. (2019, 20 September). Statistical analysis and child phonetic variation: A case study on a French corpus [conference presentation]. Incontro Scientifico degli Statistici Sociali, session "Società and Metodi", Treviso.
21. Mucciardi, M. and Cocuccio, V. (2019, 24-26 January). The effect of public childcare on fertility in Italy: A provincial analysis [conference presentation]. AISP - Popdays 2019, 13th edition, Bocconi University, Milan.
22. Mucciardi, M. and Mazza, A. (2018, 20-22 June). Spatial segregation of immigrant households in Messina [conference presentation]. XLIX Scientific Meeting della Società Italiana di Statistica (SIS), Palermo.
23. Mucciardi, M. and Mazza, A. (2018, 26-28 April). Disentangling clustering of migrant households: A second-order analysis of inhomogeneous spatial point processes to evaluate 'enforced' and 'voluntary' residential segregation [conference presentation]. Population Association of America, 2018 Annual Meeting, Denver, Colorado, USA.
24. Mucciardi, M. (2017, 25-26 May). Economic constraints in the settlement choices of hoursign immigrants in the city of Catania: A spatial statistical analysis [conference presentation]. 54a Scientific Meeting SIEDS, "Mobilità territoriale, sociale ed economica: Modelli and metodi di analisi", University of Catania, Catania.
25. Mucciardi, M. and Otranto, E. (2016, 5-7 September). The flexible space-time model [workshop presentation]. MBC2 - Model Based Clustering and Classification, Catania.

26. Mucciardi, M. (2016, 20-22 September). The impact of criminality on the riskiness of cooperative credit banks in Italy: A macroregional approach [conference presentation]. XXXVII Annual Scientific Conference AISRe, Ancona.
27. Mucciardi, M. (2015, 15 April). Spatial statistical analysis: An application to georeferenced census data [presentation]. Degree programme in Turismo Culturale, University of Messina.
28. Mucciardi, M. (2014, 24 October). Spatial statistical analysis techniques on georeferenced data [presentation]. Giornata Italiana della Statistica, "Indicatori per la gestione del territorio: Dai censimenti alla policy", Prefettura di Messina, Messina.
29. Mucciardi, M. (2013, 26-27 September). A statistical model to quantify commuting flows from an industrial hub [conference presentation]. Conference Unione Statistici Comuni Italiani (USCI), Messina.
30. Mucciardi, M., Bertuccelli, P., and Esposito, S. (2012, 19-21 September). Spatial variations in the average temperature in Italy: An approach using GWR model [conference presentation]. IX Conference on Geostatistics for Environmental Applications, Valencia, Spain.
31. Mucciardi, M. and Bertuccelli, P. (2010, 8-10 September). Local analysis of spatial relationships: A comparison of GWR and OLS method [conference presentation]. Joint Meeting GFKL - CLADAG 2010, Florence.
32. Mucciardi, M. and Bertuccelli, P. (2010, 16-18 June). The GWR model: An investigation of spatial determinants of the local TFR in Italy [conference presentation]. XLV Scientific Meeting della Società Italiana di Statistica, Padua.
33. Mucciardi, M. (2010, 27-29 May). Local spatial analysis of the presence of foreigners in Italy [conference presentation]. Scientific Meeting della Società Italiana di Economia and Demografia, Milan.
34. Mucciardi, M. and Bertuccelli, P. (2009, 23-25 September). Cluster and outlier analysis with GIS: An exploratory study on childbearing in Italy [conference presentation]. Scientific Meeting Intermedia della Società Italiana di Statistica, Pescara.
35. Mucciardi, M., Altavilla, A., and Mazza, A. (2009, 9-11 September). Differences between the settlement patterns of individual immigrants in the city of Catania [conference presentation]. Seventh Scientific Meeting of the Classification and Data Analysis Group, Catania.
36. Mucciardi, M. and Bertuccelli, P. (2009, 6 July). Family structure and poverty risk in Italy [talk]. First Research Day of the University of Messina, Messina.
37. Mucciardi, M. and Bertuccelli, P. (2009, 28-30 May). Children and poverty thresholds: An analysis based on Bank of Italy data [talk]. XLVI Scientific Meeting della Società Italiana di Economia, Demografia and Statistica, Florence.
38. Mucciardi, M., Signorino, G., Pasetto, R., Gatto, E., La Rocca, M., and Mudu, P. (2008, 24-26 September). Distance decay functions and commuting in health surveys and the delimitation of risk areas [conference presentation]. XXIX Conferenza Italiana di Scienze Regionali, Bari.
39. Mucciardi, M. and Bertuccelli, P. (2008, 18-20 September). A comparison of spatial outliers using different algorithms for constructing of weights system [conference presentation]. Conference "Metodi, Modelli and Tecnologie of the Informazione a Supporto delle Decisioni", Università del Salento, Lecce.
40. Mucciardi, M., Di Pino, A., and Campolo, G. (2007, 20-21 September). Working time in reconstituted families in Italy [conference presentation]. Conference dei Lincei, Rome.
41. Mucciardi, M. and Limosani, M. (2008, 11-12 September). Regional employment evolution in Italy: Some preliminary results [conference presentation]. XXIII National Conference of Labour Economics, University of Brescia, Faculty of Economics, Brescia.
42. Mucciardi, M., Signorino, G., Pasetto, R., Gatto, E., La Rocca, M., and Mudu, P. (2008, 27-31 August). Commuting and health: The definition of risk areas, mobility patterns of population and epidemiological cohort studies - The case of Gela [conference presentation]. ERSA 2008, Culture, Cohesion and Competitiveness: Regional Perspectives, 48th Congress of the European Regional Science Association, Liverpool, United Kingdom.
43. Mucciardi, M. and Bertuccelli, P. (2008, 25-27 June). Exploratory spatial data analysis with S-JOINT [conference presentation]. XLIV Scientific Meeting della Società Italiana di Statistica, Arcavacata di Rende (CS).
44. Mucciardi, M. (2008, 11-13 June). Use of a flexible weight matrix in a local spatial statistic [conference presentation]. First Joint Meeting of the Société Francophone de Classification and the Classification and Data Analysis Group of the Italian Society of Statistics, Caserta.

45. Mucciardi, M. and Bertuccelli, P. (2007, 6-8 June). S-JOINT: A new software for the analysis of spatial data [conference presentation]. Scientific Meeting Intermedia della Società Italiana di Statistica, Venice.
46. Mucciardi, M. (2007, 9 May). Geographical information and spatial autocorrelation indices [seminar]. Faculty of Political Sciences, University of Messina, academic year 2006/2007.
47. Mucciardi, M., La Tona, L., and Mazza, A. (2008, 5-6 September). A generalized weight matrix for autocorrelated superficial data [conference presentation]. Spatial Data Methods for Environmental and Ecological Processes, Mattinata (Foggia).
48. Mucciardi, M. and Rizzi, E. (2006, 25-27 May). The socio-economic conditions of large families in Italy [conference presentation]. XLIII Scientific Meeting della Società Italiana di Demografia and Statistica, Palermo.
49. Mucciardi, M., La Tona, L., and Mazza, A. (2005, 21-23 June). A distance weight matrix determination for superficial spatial data [conference presentation]. Scientific Meeting Intermedia della Società Italiana di Statistica, Messina.
50. Mucciardi, M. (2004, 19-20 October). Family context, time use and school performance [talk]. Riunione del Gruppo di Ricerca Venus, Verona.
51. Mucciardi, M. (1997, February). An algorithm for defining an automatic system of interconnections among point-based spatial units [seminar]. Presentazioni delle tesi di dottorato, Department of Metodi Quantitativi and Teoria Economica, Faculty of Economics, Università degli Studi G. d'Annunzio, Pescara.
52. Mucciardi, M. (1996, 22 March). Main sampling designs in socio-economic research [seminar]. Faculty di Statistica, University of Messina.
53. Mucciardi, M. (1995, 14 February). Fitting mathematical functions to statistical variable data [seminar]. Faculty di Statistica, University of Messina.

SUPERVISION OF PHD STUDENTS

1. Mucciardi, M. (supervisor). Thesis title: Local log-likelihood estimation in the geographically weighted regression model. PhD programme in Sustainable Tourism, Tax Benefits, Statistical Methods for the Environment and Quality, 23rd cycle, University of Messina. PhD student: Pietro Bertuccelli.
2. Mucciardi, M. (co-supervisor). Thesis title: Four essays on spatial dependence effects of local banks. PhD programme in Economics, Statistics and Management, 33rd cycle, University of Messina. PhD student: Carmelo Algeri.
3. Mucciardi, M. (supervisor). Thesis title: Statistical and computational approaches to first language acquisition. Mining a set of French longitudinal corpora (COLAJE). PhD programme in Cognitive Sciences, 33rd cycle, University of Messina and Université Paul Valéry Montpellier, joint supervision. PhD student: Andrea Briglia.
4. Mucciardi, M. (co-supervisor). Thesis title: Building resilience in refugee children. PhD programme in Cognitive Sciences, 33rd cycle, University of Messina. PhD student: Mary Ellen Toffle.
5. Mucciardi, M. (supervisor). Thesis title: The joint effect of childcare services and flexible employment on fertility rate in Europe. PhD programme in Economics, Statistics and Management, 34th cycle, University of Messina. PhD student: Viviana Cocuccio.
6. Mucciardi, M. (co-supervisor). Thesis title: Italian validation of the Mini Addenbrooke's Cognitive Examination (M-ACE). PhD programme in Cognitive Sciences, 37th cycle, curriculum in Philosophy of Language and Mind, Psychology and Evolutionary Sciences. PhD student: Febronia Riggio.
7. Mucciardi, M. (co-supervisor). Thesis title: Development of an innovative chatbot to improve daily living skills and cognitive abilities in young people with autism spectrum disorder. PhD programme in Cognitive Sciences, 40th cycle. PhD student: Anna Meduri.
8. Mucciardi, M. (co-supervisor). Thesis title: Models and development strategies for Faculty Development. PhD programme of National Interest in Teaching & Learning Sciences: Inclusion, Technologies, Educational Research and Evaluation, 39th cycle. PhD student: Maria Quartarone.

AWARDS AND RECOGNITIONS FOR SCIENTIFIC ACTIVITY AND ACADEMIC AFFILIATIONS OF RECOGNIZED PRESTIGE

- Socio ordinario della Società Italiana di Economia Demografia (SIEDS) from 08-02-2023 to the present;
- Socio ordinario della Società Italiana per gli Studi di Popolazione (AISP) from 01-01-2019 to the present;
- Socio ordinario della Società Italiana di Statistica (SIS) from 01-01-1994 al 31-12-2018;
- Ammesso al Finanziamento della ricerca di base ANVUR <http://www.anvur.org/attachments/article/1204/BeneficiariFFABRRicerca~.pdf> from 05-12-2017 to the present <http://www.anvur.org/attachments/article/1204/BeneficiariFFABRRicerca~.pdf>
- Best Poster Presentation Award (with Angelo Mazza) at the XLIX Scientific Meeting of the Italian Statistical Society (SIS), for the contribution entitled “Spatial Segregation of Immigrant Households in Messina”, Palermo, 20-22 June 2018.
- University “Young Researchers Project” Award: “Spatial interaction models for territorial statistical data”, University of Messina, from 1 January 1999 to 31 December 1999.

REVIEWING ACTIVITY FOR THE FOLLOWING JOURNALS

- Annals of Regional Science
- Applied Statistics
- International Journal for Equity in Health
- International Journal of Population Studies
- Rivista Italiana di Economia, Demografia e Statistica
- Spatial Demography

EDITORIAL BOARD MEMBERSHIPS AND GUEST EDITOR ACTIVITY

- Guest Editor of the Special Issue “Emerging Spatial Analysis Methods in Geographic Information Systems”, Applied Sciences, MDPI, https://www.mdpi.com/journal/applsci/special_issues/227G946DL9
- Member of the Editorial Board of the International Journal of Statistical Distributions and Applications, since 1 January 2017. Print ISSN: 2472-3487.
- Member of the Editorial Board of the International Journal of Computer Science and Application (IJCSA), since November 2015. Online ISSN: 2324-7134; print ISSN: 2324-7037.
- Member of the Editorial Board of the International Journal of Geosciences, since September 2015. Print ISSN: 2156-8359; online ISSN: 2156-8367.
- Member of the Editorial Board of the Mediterranean Journal of Clinical Psychology, since March 2013. ISSN: 2282-1619.
- Member of the Editorial Board of Advances in Mathematical and Computational Methods, since June 2012. ISSN: 2160-0643.

UNIVERSITY APPOINTMENTS AND MANAGEMENT ACTIVITY

- Designated scientific coordinator of the memorandum of understanding between the Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina (COSPECS) and the General Confederation of Italian Labour of Messina (C.G.I.L.) for study and data analysis activities concerning the so-called “maritime supply chain”, with particular regard to the dynamics of the sectoral labour market in the province of Messina, since 29 September 2025.
- Designated scientific coordinator of the memorandum of understanding between the Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina (COSPECS) and the Juvenile Social Service Office (USSM) of Messina, aimed at developing methodologies capable of responding to new socio-cultural phenomena that negatively influence behaviours enacted by minors and young adults, since 1 July 2024.
- Chair of the State Examination Committee for Social Workers, Register A and Register B, academic year 2023.
- Member of the Department Board of the Department of Cognitive, Psychological, Pedagogical and Cultural Studies (COSPECS), University of Messina, for the 2021-2024 academic triennium.
- Member of the Ethics Committee of the Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina, since January 2023.
- Member appointed by the University of Messina to the Regional AlmaLaurea Data Working Group, from 12 November 2020 to the present.
- Member of the Joint Committee of the Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina, since 18 June 2020.
- Member appointed by the University of Messina to the Permanent Provincial Intersectoral Technical Working Table on Labour, from 21 July 2017 to the present.
- Registered in the register of scientific experts established at MIUR, from 22 February 2018 to the present.
- Member of the Local Scientific Committee of the LIV SIEDS Scientific Meeting, 25-26 May 2017.
- Chair of spontaneous sessions at the LIV SIEDS Scientific Meeting, 25-26 May 2017.
- Member of the Quality Assurance Group of the Degree Programme in Social Work, Social Policies, Sociological Studies and Social Research (LM-87/LM-88), University of Messina, since 17 April 2015.
- Member of the Quality Assurance Group of the Degree Programme in Economics, Banking and Finance (L-33), University of Messina, since 1 March 2017.
- Member of the Joint Committee of the Department of Economics, University of Messina, since 19 May 2017.
- Member of Area Committee 13 for the 2012-2015 triennium.
- Director of the Messina section of the interdisciplinary PRISMA Centre.
- Member of the PhD Board in Cognitive Sciences, from September 2016 to the present.
- Member of the PhD Board in Psychological Sciences, from September 2011 to September 2015.
- Member of the PhD Board in Statistics and Environmental Resources, from June 2006 to December 2009.
- Faculty of Statistical Sciences representative to the University Evaluation Unit of the University of Messina for academic years 2005/2006, 2006/2007, 2007/2008 and 2009/2010.
- Member of the University Fees Committee for the academic biennia 2009/2010 and 2011/2012.
- Faculty tutor within the PhD programme in Statistics and Environmental Resources.
- Faculty collaborator of the University Statistical Centre, since June 2007.
- Faculty member responsible, by appointment of the Dean of the Faculty of Statistical Sciences, for the Faculty Statistical Office.
- Appointment to carry out training activities within the ICARO II project, University information, guidance and training service, ORE04 initiative, Teaching and Training for Guidance.

LOCAL AND NATIONAL RESEARCH PROJECTS

Year 2024

Member of the national project, GRINS cascade call - “Growing Resilient, Inclusive and Sustainable”, Spoke 8 - “Social Sustainability: Business Relationships and Immigrant Development Generating Ecosystems Sustainably”.

Member of the national project, SERICS cascade call - “Security and Rights in the CyberSpace”, Spoke 8 - “Risk Management and Governance”.

Year 2023

Member of the national PRIN project “Depopulation Risk: Experiences, Mobility and Subjective Well-being (DREAMS)”.

Member of the national PRIN PNRR project “S.E.L.F. - Stories of Exclusion and Living Freedom. Archives of sorrow and ethnographies of hidden subversion in mental health institutions: Exploring the intersectionality of subalternities”.

Year 2022

Principal investigator of ANVUR FFABR UniME 2022 Basic Research Funding, admitted to funding.

Year 2020

Principal investigator of ANVUR FFABR UniME 2020 Basic Research Funding, admitted to funding.

Year 2017

Principal investigator of national ANVUR FFABR 2017 Basic Research Funding, admitted to funding.

Year 2015

Member of the international Mobility & Research project “Higher moments of asset returns: Realized measures, the cross-section of equity returns and mutual fund returns, volatility clustering and correlation determinants”.

Year 2010

Principal investigator of the local University PRA research project “The spatial regression model: Methodological and applied aspects”.

Year 2008

Member of the national PRIN project “The cost of children. Estimation, links with low fertility in Italy, indications for social policy and for the calculation of child support in cases of marital separation”.

Principal investigator of the local University PRA research project “Definition of a new class of local spatial autocorrelation indices”.

Year 2002

Member of the national PRIN project “The economic costs of marital and reproductive events over the individual and couple life course”.

Year 2001

Member of the national PRIN project “Well-being, poverty and income distribution in Italian households: An integrated quantitative analysis”.

Member of the local University project “New procedures for determining spatial contiguity”.

Year 2000

Principal investigator of the local University PRA research project for young researchers “Estimation of household expenditure on environmental protection”.

Member of the national PRIN project “Low fertility in Italy between economic constraints and value change”.

Year 1999

Principal investigator of the local University PRA research project for young researchers “Spatial interaction models for territorial statistical data”.

TEACHING ACTIVITY

Academic year 2025/26

- 1) LECTURER OF THE MODULE DATA ANALYSIS for the staff of the Administration of the Autonomous Region of Sardinia, within the design and delivery of training programmes of priority relevance for regional staff, on behalf of the PROMO PA Foundation, 5 and 11 May 2026 (8 hours).
- 2) LECTURER IN DATA ANALYSIS FOR SOCIAL RESEARCH at the Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina, Master's degree programme in Social Work and Social Policies and Master's degree programme in Sociology and Social Research (8 ECTS credits, 60 hours).
- 3) LECTURER IN QUANTITATIVE METHODOLOGIES FOR THE SOCIAL SCIENCES at the Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina, Master's degree programme in Social Work and Social Policies and Master's degree programme in Sociology and Social Research (8 ECTS credits, 60 hours).
- 4) LECTURER IN SOCIAL SURVEYS AND OPINION POLLS at the Department of Ancient and Modern Civilizations of the University of Messina, Bachelor's degree programme in Information Sciences, Journalism curriculum, L-20 (6 ECTS credits, 36 hours).
- 5) LECTURER IN STATISTICS FOR COGNITIVE AND SOCIAL SCIENCES for the PhD programme in Cognitive Sciences, Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina (18 hours).
- 6) LECTURER IN SAMPLING AND SPATIAL STATISTICS IN SOCIAL SCIENCE for the PhD programme in Economics, Management and Statistics, Department of Economics, University of Messina (12 hours).
- 7) LECTURER IN STATISTICAL DATA ANALYSIS FOR HEALTH RESEARCH for the PhD programme in Veterinary, Biotechnological and Agricultural Sciences, University of Messina (6 hours).

Academic year 2024/25

- 1) LECTURER IN DATA ANALYSIS FOR SOCIAL RESEARCH at the Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina, Master's degree programme in Social Work and Social Policies and Master's degree programme in Sociology and Social Research (8 ECTS credits, 60 hours).
- 2) LECTURER IN QUANTITATIVE METHODOLOGIES FOR THE SOCIAL SCIENCES at the Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina, Master's degree programme in Social Work and Social Policies and Master's degree programme in Sociology and Social Research (8 ECTS credits, 60 hours).
- 3) LECTURER IN STATISTICS FOR COGNITIVE AND SOCIAL SCIENCES for the PhD programme in Cognitive Sciences, Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina (15 hours).
- 4) LECTURER IN SAMPLING AND SPATIAL STATISTICS IN SOCIAL SCIENCE for the PhD programme in Economics, Management and Statistics, Department of Economics, University of Messina (12 hours).
- 5) LECTURER IN STATISTICAL DATA ANALYSIS FOR HEALTH RESEARCH for the PhD programme in Veterinary, Biotechnological and Agricultural Sciences, University of Messina (6 hours).

Academic year 2023/24

- 1) LECTURER IN DATA ANALYSIS FOR SOCIAL RESEARCH at the Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina, Master's degree programme in Social Work and Social Policies and Master's degree programme in Sociology and Social Research (8 ECTS credits, 60 hours).
- 2) LECTURER IN QUANTITATIVE METHODOLOGIES FOR THE SOCIAL SCIENCES at the Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina, Master's degree programme in Social Work and Social Policies and Master's degree programme in Sociology and Social Research (8 ECTS credits, 60 hours).
- 3) LECTURER IN STATISTICS FOR COGNITIVE AND SOCIAL SCIENCES for the PhD programme in Cognitive Sciences, Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina (15 hours).
- 4) LECTURER IN STATISTICAL DATA ANALYSIS FOR HEALTH RESEARCH for the PhD programme in Veterinary Sciences, Department of Veterinary Sciences, University of Messina (12 hours).
- 5) LECTURER IN SAMPLING AND SPATIAL STATISTICS IN SOCIAL SCIENCE for the PhD programme in Economics, Management and Statistics, Department of Economics, University of Messina (12 hours).

Academic year 2022/23

- 1) LECTURER IN DATA ANALYSIS FOR SOCIAL RESEARCH at the Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina, Master's degree programme in Social Work and Social Policies and Master's degree programme in Sociology and Social Research (8 ECTS credits, 60 hours).
- 2) LECTURER IN QUANTITATIVE METHODOLOGIES FOR THE SOCIAL SCIENCES at the Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina, Master's degree programme in Social Work and Social Policies and Master's degree programme in Sociology and Social Research (8 ECTS credits, 60 hours).
- 3) LECTURER IN STATISTICS FOR COGNITIVE AND SOCIAL SCIENCES for the PhD programme in Cognitive Sciences, Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina (12 hours).
- 4) LECTURER IN SAMPLING AND SPATIAL STATISTICS IN SOCIAL SCIENCE for the PhD programme in Economics, Management and Statistics, Department of Economics, University of Messina (12 hours).

Academic year 2021/22

- 1) LECTURER IN DATA ANALYSIS FOR SOCIAL RESEARCH at the Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina, Master's degree programme in Social Work and Social Policies and Master's degree programme in Sociology and Social Research (8 ECTS credits, 48 hours).
- 2) LECTURER IN STATISTICS FOR COGNITIVE SCIENCES at the Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina, Master's degree programme in Cognitive Sciences and Communication Theories LM-55/LM-92 (9 ECTS credits, 54 hours).
- 3) LECTURER IN ADVANCED STATISTICS for the PhD programme in Economics, Management and Statistics, Department of Economics, University of Messina (12 hours).

Academic year 2020/21

- 1) LECTURER IN DATA ANALYSIS FOR SOCIAL RESEARCH at the Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina, Master's degree programme in Social Work and Social Policies and Master's degree programme in Sociology and Social Research (8 ECTS credits, 48 hours).
- 2) LECTURER IN STATISTICS FOR COGNITIVE SCIENCES at the Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina, Master's degree programme in Cognitive Sciences and Communication Theories LM-55/LM-92 (9 ECTS credits, 54 hours).
- 3) LECTURER IN TERRITORIAL DATA ANALYSIS at the Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina, degree programme in Cultural Tourism and Disciplines of the Arts, Music and Performing Arts (6 ECTS credits, 48 hours).
- 4) LECTURER IN ADVANCED STATISTICS for the PhD programme in Economics, Management and Statistics, Department of Economics, University of Messina (12 hours).

Academic year 2019/20

- 1) LECTURER IN DATA ANALYSIS FOR SOCIAL RESEARCH at the Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina, Master's degree programme in Social Work and Social Policies and Master's degree programme in Sociology and Social Research (8 ECTS credits, 48 hours).
- 2) LECTURER IN TERRITORIAL DATA ANALYSIS at the Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina, degree programme in Cultural Tourism and Disciplines of the Arts, Music and Performing Arts (8 ECTS credits, 48 hours).
- 3) LECTURER IN MEDICAL STATISTICS at the Department of Biomedical, Dental, Morphological and Functional Imaging Sciences of the University of Messina, Bachelor's degree programme in Techniques of Prevention in the Environment and the Workplace (2 ECTS credits, 24 hours).
- 4) LECTURER IN STATISTICS FOR THE EVALUATION OF SOCIAL SERVICES in the University Master's programme in first level in "Esperto in Intervento Sociale Minori and Mafie" of the University of Messina (8 hours).

Academic year 2018/19

- 1) LECTURER IN DATA ANALYSIS FOR SOCIAL RESEARCH at the Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina, Master's degree programme in Social Work and Social Policies and Master's degree programme in Sociology and Social Research (8 ECTS credits, 48 hours).
- 2) LECTURER IN SOCIAL STATISTICS for the PhD programme in Economics, Management and Statistics, Department of Economics, University of Messina (10 hours).

- 3) LECTURER IN STATISTICS II at the Department of Economics of the University of Messina, Bachelor's degree programme in Economics, Banking and Finance (8 ECTS credits, 56 hours).
- 4) LECTURER IN MEDICAL STATISTICS at the Department of Paediatric, Gynaecological, Microbiological and Biomedical Sciences of the University of Messina, Bachelor's degree programme in Neuro and Psychomotor Therapy of Developmental Age (1 ECTS credits, 12 hours).

Academic year 2017/18

- 1) LECTURER IN DATA ANALYSIS FOR SOCIAL RESEARCH at the Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina, Master's degree programme in Social Work and Social Policies and Master's degree programme in Sociology and Social Research (8 ECTS credits, 48 hours).
- 2) APPOINTED LECTURER IN BIostatISTICS for the PhD programme in Veterinary Sciences, University of Messina (25 hours).
- 3) LECTURER IN STATISTICS II at the Department of Economics of the University of Messina, Bachelor's degree programme in Economics, Banking and Finance (8 ECTS credits, 56 hours).
- 4) LECTURER IN MEDICAL STATISTICS at the Department of Paediatric, Gynaecological, Microbiological and Biomedical Sciences of the University of Messina, Bachelor's degree programme in Neuro and Psychomotor Therapy of Developmental Age (1 ECTS credits, 12 hours).

Academic year 2016/17

- 1) LECTURER IN DATA ANALYSIS FOR SOCIAL RESEARCH at the Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina, Master's degree programme in Social Work and Social Policies and Master's degree programme in Sociology and Social Research (8 ECTS credits, 48 hours).
- 2) APPOINTED LECTURER IN BIostatISTICS for the PhD programme in Veterinary Sciences, University of Messina (25 hours).
- 3) LECTURER IN STATISTICS II at the Department of Economics of the University of Messina, Bachelor's degree programme in Economics, Banking and Finance (8 ECTS credits, 56 hours).
- 4) LECTURER IN MEDICAL STATISTICS at the Department of Paediatric, Gynaecological, Microbiological and Biomedical Sciences of the University of Messina, Bachelor's degree programme in Neuro and Psychomotor Therapy of Developmental Age (1 ECTS credits, 12 hours).

Academic year 2015/16

- 1) LECTURER IN DATA ANALYSIS FOR SOCIAL RESEARCH at the Department of Cognitive, Psychological, Pedagogical and Cultural Studies, University of Messina, Master's degree programme in Social Work and Social Policies and Master's degree programme in Sociology and Social Research (8 ECTS credits, 48 hours).
- 2) APPOINTED LECTURER IN BIostatISTICS for the PhD programme in Veterinary Sciences, University of Messina (25 hours).
- 3) LECTURER IN STATISTICS II at the Department of Economics of the University of Messina, Bachelor's degree programme in Economics, Banking and Finance (8 ECTS credits, 56 hours).
- 4) LECTURER IN MEDICAL STATISTICS at the Department of Paediatric, Gynaecological, Microbiological and Biomedical Sciences of the University of Messina, Bachelor's degree programme in Neuro and Psychomotor Therapy of Developmental Age (1 ECTS credits, 12 hours).
- 5) LECTURER IN STATISTICS in the first-level University Master's programme in "Nursing Management for Coordination", University of Messina (8 hours).

Academic year 2014/15

- 1) APPOINTED LECTURER IN BIostatISTICS for the PhD programme in Veterinary Sciences, University of Messina (25 hours).
- 2) LECTURER IN MEDICAL STATISTICS at the Department of Paediatric, Gynaecological, Microbiological and Biomedical Sciences of the University of Messina, Bachelor's degree programme in Neuro and Psychomotor Therapy of Developmental Age (1 ECTS credits, 12 hours).
- 3) LECTURER IN HEALTH STATISTICS AND CLINICAL EPIDEMIOLOGY at the Department of Paediatric, Gynaecological, Microbiological and Biomedical Sciences of the University of Messina, Bachelor's degree programme in Paediatric Nursing (2 ECTS credits, 28 hours).
- 4) LECTURER IN INFERENCE STATISTICS at the Department of Economic, Business, Environmental and Quantitative Sciences, University of Messina, Bachelor's degree programme in Statistical Sciences (10 ECTS credits, 80 hours).

- 5) LECTURER IN SAMPLING AND DATA ANALYSIS at the Department of Human and Social Sciences of the University of Messina, Master's degree programme in Social Work and Social Policies and Master's degree programme in Sociology and Social Research (6 ECTS credits, 48 hours).
- 6) TEACHING TUTOR in the Structural Enhancement Project PONa3_00166/F1 (PANLAB), University of Messina (150 hours).
- 7) LECTURER IN MARKET ANALYSIS AND DATA PROCESSING in the Structural Enhancement Project PONa3_00166/F1 (PANLAB), University of Messina (150 hours).
- 8) COMPANY TEACHING TUTOR in the Structural Enhancement Project PONa3_00166/F1 (PANLAB), University of Messina (96 hours).
- 9) LECTURER IN STATISTICS in the first-level University Master's programme in "Nursing Management for Coordination", University of Messina (8 hours).

Academic year 2013/14

- 1) LECTURER IN APPLIED STATISTICS FOR THE SOCIAL SCIENCES at the Department of Human and Social Sciences of the University of Messina, Bachelor's degree programme in Social Work (6 ECTS credits, 48 hours).
- 2) LECTURER IN HEALTH STATISTICS AND CLINICAL EPIDEMIOLOGY at the Department of Paediatric, Gynaecological, Microbiological and Biomedical Sciences of the University of Messina, Bachelor's degree programme in Paediatric Nursing (2 ECTS credits, 28 hours).
- 3) LECTURER IN INFERENTIAL STATISTICS at the Department of Economic, Business, Environmental and Quantitative Sciences, University of Messina, Bachelor's degree programme in Statistical Sciences (10 ECTS credits, 80 hours).
- 4) LECTURER IN APPLIED STATISTICS FOR THE SOCIAL SCIENCES at the Department of Human and Social Sciences of the University of Messina, Master's degree programme in Social Work and Social Policies and Master's degree programme in Sociology and Social Research (6 ECTS credits, 48 hours).
- 5) LECTURER IN TOURISM STATISTICS in the University Master's programme in first level in "Management turistico-culturale" of the University of Messina (10 hours).
- 6) LECTURER IN STATISTICS in the first-level University Master's programme in "Nursing Management for Coordination", University of Messina (10 hours).

Academic year 2012/13

- 1) LECTURER IN APPLIED STATISTICS FOR THE SOCIAL SCIENCES at the Faculty of Political Sciences, University of Messina, Master's degree programme in Social Work and Social Policies and Master's degree programme in Sociology and Social Research (6 ECTS credits, 48 hours).
- 2) LECTURER IN INFERENTIAL STATISTICS at the Faculty of Economics, University of Messina, Bachelor's degree programme in Statistical Sciences (10 ECTS credits, 80 hours).
- 3) LECTURER IN STATISTICS AND RELIABILITY in the second-level University Master's programme in "Micro and nano technologies for extra high frequency applications", University of Messina (50 hours).
- 4) LECTURER IN STATISTICS in the first-level University Master's programme in "Nursing Management for Coordination", University of Messina (10 hours).

Academic year 2011/12

- 1) LECTURER IN APPLIED STATISTICS FOR THE SOCIAL SCIENCES at the Faculty of Political Sciences, University of Messina, Master's degree programme in Social Work and Social Policies and Master's degree programme in Sociology and Social Research (6 ECTS credits, 48 hours).
- 2) LECTURER IN INFERENTIAL STATISTICS at the Faculty of Economics, University of Messina, Bachelor's degree programme in Statistical Sciences (10 ECTS credits, 80 hours).
- 3) LECTURER IN MATHEMATICS, corso of azzeramento, at the Faculty of Political Sciences, University of Messina, Bachelor's degree programme in Social Work (10 hours).
- 4) LECTURER IN ELEMENTS OF STATISTICS in the University Master's programme in first level in "Esperto within the organizzazione and gestione dei sistemi of mobilità: merci and passeggeri" of the University of Messina (15 hours).
- 5) LECTURER IN STATISTICS in the first-level University Master's programme in "Nursing Management for Coordination", University of Messina (10 hours).

Academic year 2010/11

- 1) LECTURER IN APPLIED STATISTICS FOR THE SOCIAL SCIENCES at the Faculty of Political Sciences, University of Messina, Master's degree programme in Social Work and Social Policies and Master's degree programme in Sociology and Social Research (6 ECTS credits, 48 hours).
- 2) LECTURER IN INFERENCE STATISTICS at the Faculty of Statistical Sciences, University of Messina, Bachelor's degree programme in Statistical Analysis and Consulting (8 ECTS credits, 64 hours).
- 3) LECTURER IN STATISTICS in the first-level University Master's programme in "Nursing Management for Coordination", University of Messina (10 hours).

Academic year 2009/10

- 1) LECTURER IN SOCIAL STATISTICS at the Faculty of Political Sciences, University of Messina, degree programme in Social Work, campus of Modica (RG) (6 ECTS credits, 48 hours).
- 2) LECTURER IN STATISTICS II, 1° and 2° modulo, at the Faculty of Statistical Sciences, University of Messina, Bachelor's degree programme in Statistica (10 ECTS credits, 80 hours).
- 3) LECTURER IN SAMPLING TECHNIQUES AND QUALITY OF SAMPLE DATA at the Faculty of Statistical Sciences, University of Messina, Master's degree programme in Statistica and Tecniche Decisionali (8 ECTS credits, 64 hours).
- 4) LECTURER IN MEDICAL STATISTICS at the Faculty of Medicine and Surgery, University of Messina, with Kore University of Enna, Bachelor's degree programme in Medical Radiology, Imaging and Radiotherapy Techniques (1 ECTS credit, 12.5 hours).
- 5) LECTURER IN MEDICAL STATISTICS at the Faculty of Medicine and Surgery, University of Messina, with Kore University of Enna, Bachelor's degree programme in Techniques of Prevention in the Environment and the Workplace (1.5 ECTS credits, 24 hours).
- 6) LECTURER IN MEDICAL STATISTICS at the Faculty of Medicine and Surgery, University of Messina, with Kore University of Enna, Bachelor's degree programme in Nursing Sciences (1.5 ECTS credits, 24 hours).
- 7) LECTURER IN STATISTICS FOR EXPERIMENTAL AND TECHNOLOGICAL RESEARCH at the Faculty of Medicine and Surgery of the University of Messina, campus of Caltagirone (CT), Bachelor's degree programme in Fisioterapia (0.5 ECTS credits, 6 hours).
- 8) LECTURER IN MEDICAL STATISTICS at the Faculty of Medicine and Surgery of the University of Messina, campus of Caltagirone (CT), Bachelor's degree programme in Fisioterapia (0.5 ECTS credits, 6 hours).
- 9) LECTURER IN STATISTICS in the first-level University Master's programme in "Nursing Management for Coordination", University of Messina (10 hours).

Academic year 2008/09

- 1) LECTURER IN SOCIAL STATISTICS at the Faculty of Sport and Health Sciences, Kore University of Enna, Bachelor's degree programme in Sport and Exercise Sciences (2 ECTS credits, 12 hours).
- 2) LECTURER IN STATISTICS II, 1st and 2nd module, at the Faculty of Statistical Sciences, University of Messina, Bachelor's degree programme in Statistics (10 ECTS credits, 80 hours).
- 3) LECTURER IN METHODS AND SAMPLING TECHNIQUES at the Faculty of Statistical Sciences, University of Messina, Master's degree programme in Statistics for Applications, Messina campus (6 ECTS credits, 48 hours).
- 4) LECTURER IN MEDICAL STATISTICS at the Faculty of Medicine and Surgery, University of Messina, with Kore University of Enna, Bachelor's degree programme in Medical Radiology, Imaging and Radiotherapy Techniques (1 ECTS credit, 12.5 hours).
- 5) LECTURER IN STATISTICS FOR EXPERIMENTAL AND TECHNOLOGICAL RESEARCH at the Faculty of Medicine and Surgery, University of Messina, Caltagirone campus (CT), Bachelor's degree programme in Physiotherapy (0.5 ECTS credits, 6 hours).
- 6) LECTURER IN MEDICAL STATISTICS at the Faculty of Medicine and Surgery, University of Messina, Caltagirone campus (CT), Bachelor's degree programme in Physiotherapy (0.5 ECTS credits, 6 hours).
- 7) LECTURER IN STATISTICS in the first-level University Master's programme in "Nursing Management for Coordination", University of Messina (10 hours).
- 8) LECTURER IN APPLIED STATISTICS in the 9th cycle of SISIS, Sicilian Interuniversity School of Specialization for Secondary Teaching, Physical-Computer-Mathematical specialization, Class 48 (15 hours).

Academic year 2007/08

- 1) LECTURER IN SOCIAL STATISTICS at the Faculty of Political Sciences, University of Messina, degree programme in Social Work, campus of Modica (RG) (4 ECTS credits, 32 hours).
- 2) LECTURER IN STATISTICS II, 1° and 2° modulo, at the Faculty of Statistical Sciences, University of Messina, Bachelor's degree programme in Statistica, campus of Messina (10 ECTS credits, 80 hours).
- 3) LECTURER IN STATISTICS in the 9th cycle of SISIS, Sicilian Interuniversity School of Specialization for Secondary Teaching, Physical-Computer-Mathematical specialization, Class 48 (30 hours).
- 4) LECTURER IN APPLIED STATISTICS in the first-level University Master's programme in "Mechatronics for new production activities", University of Messina (22 hours).
- 5) LECTURER IN STATISTICS in the first-level University Master's programme in "Nursing Management for Coordination", University of Messina (30 hours).
- 6) LECTURER IN TOURISM STATISTICS in the University Master's programme in first level in "Management turistico-culturale" of the University of Messina (10 hours).
- 7) LECTURER IN STATISTICS in the second-level University Master's programme in "Transport, Infrastructure and Logistics in the Mediterranean: Sustainable Development of an Integrated System", University of Messina (6 hours).

Academic year 2006/07

- 1) LECTURER IN SOCIAL STATISTICS at the Faculty of Political Sciences, University of Messina, degree programme in Social Work, campus of Modica (RG) (4 ECTS credits, 32 hours).
- 2) LECTURER IN STATISTICS II, 2° modulo, at the Faculty of Statistical Sciences, University of Messina, Bachelor's degree programme in Statistica, campus of Messina (5 of 10 ECTS credits, 40 hours).
- 3) LECTURER IN MULTIVARIATE STATISTICAL ANALYSIS at the Faculty of Statistical Sciences, University of Messina, Master's degree programme in Statistics for Applications, campus of Messina (6 ECTS credits, 48 hours).
- 4) LECTURER IN GENERAL STATISTICS at the Faculty of Political Sciences, University of Messina, degree programme in Socio-Cultural Mediation for Multiethnic Integration, campus of Barcellona (ME) (4 ECTS credits, 32 hours).

Academic year 2005/06

- 1) LECTURER IN SOCIAL STATISTICS at the Faculty of Political Sciences, University of Messina, degree programme in Social Work, campus of Messina (4 ECTS credits, 32 hours).
- 2) LECTURER IN MULTIVARIATE STATISTICAL ANALYSIS at the Faculty of Statistical Sciences, University of Messina, Master's degree programme in Statistics for Applications, campus of Messina (6 ECTS credits, 48 hours).
- 3) LECTURER IN STATISTICS at the Faculty of Political Sciences, University of Messina, degree programme in Social Work, Modica campus (RG) (4 ECTS credits, 32 hours).
- 4) TEACHING ASSISTANT CONTRACT IN STATISTICS at the Faculty of Economics, University of Catania, degree programme in Economics and Business.

Academic year 2004/05

- 1) CONTRACT LECTURER IN STATISTICS at the Faculty of Political Sciences, University of Messina, degree programme in Social Work, Modica campus (RG) (4 ECTS credits, 32 hours).
- 2) TEACHING ASSISTANT CONTRACT IN STATISTICS at the Faculty of Economics, University of Catania, degree programme in Business Administration.
- 3) CONTRACT LECTURER IN COMPUTER SCIENCE at the Faculty of Economics, University of Catania, Degree programme in Economics and Management of Tourism Services (5 ECTS credits, 40 hours).
- 4) SUPPLEMENTARY TEACHING CONTRACT IN STATISTICS FOR EXPERIMENTAL RESEARCH at the Faculty of Statistical Sciences, University of Messina, degree programme in Statistical Sciences.

Academic year 2003/04

- 1) TEACHING TUTOR IN DEMOGRAPHY at the Faculty of Political Sciences, University of Messina, degree programme in Social Services.
- 2) TEACHING ASSISTANT CONTRACT IN STATISTICS at the Faculty of Statistical Sciences, University of Messina, degree programme in Statistical Sciences.

Academic year 2001/02

- 1) TEACHING TUTOR in the University Master's programme in "Statistics for the management of the environment and territory", University of Messina.

Academic year 2000/01

- 1) LECTURER IN STATISTICS in the University Master's programme in "Health Economics", University of Messina.

Teaching activity in upper secondary schools

- 1) TENURED TEACHER OF APPLIED MATHEMATICS at the "Borghese" Technical Commercial Institute of Patti, school year 2005/06, until 15 February 2006.
- 2) TENURED TEACHER OF APPLIED MATHEMATICS at the "Borghese" Technical Commercial Institute of Patti, school year 2004/05.
- 3) TENURED TEACHER OF PROBABILITY CALCULUS, STATISTICS AND OPERATIONS RESEARCH at the "Copernico" Technical Industrial Institute and Technological High School of Barcellona P.G., school year 2003/04.
- 4) TENURED TEACHER OF APPLIED MATHEMATICS at the "Leonardo Da Vinci" Technical Commercial Institute of Milazzo, school year 2002/03.
- 5) TENURED TEACHER OF APPLIED MATHEMATICS at the "Leonardo Da Vinci" Technical Commercial Institute of Milazzo, school year 2001/02.
- 6) EXPERT TEACHER IN STATISTICS in post-qualification courses at the "Jaci" Commercial Institute of Messina, school year 1999/00.
- 7) EXPERT TEACHER IN COMPUTER SCIENCE in post-qualification courses at IPIA of Furci Siculo (ME), school year 1998/99.
- 8) EXPERT TEACHER IN COMPUTER SCIENCE in post-qualification courses at IPIA of Furci Siculo (ME), school year 1997/98.

PROFESSIONAL ACTIVITY IN THE STATISTICAL FIELD

2026

- Professional assignment awarded by the Municipality of Torrenova (ME) for demographic and socio-economic analysis in support of the General Urban Plan (PUG), from 16 March 2026 to 15 June 2026. Duties performed: report writing and data processing.

2025

- Professional assignment awarded by the Municipality of Capri Leone (ME) for demographic and socio-economic analysis in support of the General Urban Plan (PUG), from 1 September 2025 to 30 September 2025. Duties performed: report writing and data processing.

2024

- Professional assignment awarded by the Municipality of Venetico (ME) for demographic and socio-economic analysis in support of the General Urban Plan (PUG), from 9 July 2024 to 19 December 2024. Duties performed: report writing and data processing.
- Professional assignment awarded by the Municipality of Ficarra (ME) for demographic and socio-economic analysis in support of the General Urban Plan (PUG), from 29 December 2023 to 2 February 2024. Duties performed: report writing and data processing.

2022

- Professional assignment awarded by the Municipality of Brolo (ME) for demographic and socio-economic analysis in support of the General Urban Plan (PUG), from 10 January 2022 to 10 March 2022. Duties performed: report writing and data processing.

2020

- Appointment as scientific assistant for territorial analysis of opportunities for economic exchange and cooperation relations between Sicily and Malta within the Interregional Key Networking Open Innovation (I-KNOW) project, from 10 June 2020 to 31 December 2020. Duties performed: implementation of the online questionnaire and data processing.

2019

- Appointment as senior researcher for the definition of the socio-economic research model supporting innovative socio-occupational integration interventions, the development of the survey methodology, the preparation of field data collection tools, and the monitoring and evaluation of the research in the Municipality of Villafranca Tirrena (ME), within the ESF 2014-2020 programming period, PON Inclusion, from 25 March 2019 to 31 December 2019. Duties performed: questionnaire design and data processing.
- Appointment as researcher for the statistical analysis of territorial data within the project “Which governance for rural areas, between reduction in public service provision and rural welfare”, University of Cagliari, from 26 February 2019 to 28 March 2019. Duties performed: georeferencing of data, geodataset design and spatial data analysis.

2018

- Appointment as researcher within the FAMI project (Asylum, Migration and Integration Fund) for the implementation of quantitative field research aimed at producing annual reports for the Regional Observatory on Immigration in Sicily, FAMI Fund 2014-2020, OS2 Integration/Legal Migration, ON2 Integration, Regional intervention plans for the integration of third-country nationals, Action 02, from 4 September 2017 to 4 September 2018. Duties performed: questionnaire design and data processing.

2016

- “Cinque Colori” project, University of Messina, to carry out the survey on the census and monitoring of tourist itineraries in the Patti-Milazzo-Aeolian Islands-Messina area. Duties performed: data processing.

2013

- Assignment awarded by the Presidency of the Council of Ministers, CNB-MIUR protocol, to carry out the survey on the integration of bioethics in upper secondary schools. Duties performed: data processing.

2011

- Collaboration with the Department for Family Policies of the Municipality of Messina for the first survey on care facilities for older people in the Municipality of Messina. Duties performed: questionnaire design and data processing.

2008

- Project of the Municipality of Longi (ME) and University of Messina “First tourism survey in the Municipality of Longi (ME)”. Duties performed: questionnaire design, sampling design and data processing.
- Project of the Municipality of Longi (ME) and University of Messina “Survey on satisfaction with municipal services”. Duties performed: questionnaire design, sampling design and data processing.
- Project of the Municipality of Sarroch and University of Messina “Multipurpose survey on the population of an at-risk area”. Duties performed: sampling design and data processing.
- International WHO project and University of Messina “Multipurpose survey on the population of an at-risk area: Valle del Mela and Augusta-Syracuse”. Duties performed: sampling design and data processing.

2007

- Project of the Faculty of Statistical Sciences, University of Messina “Getting to know my Faculty”. Duties performed: research coordination.
- INTEL project “Sicily Tourism and Technology”, University of Messina/INTEL. Duties performed: research coordination.

2006

- MIUR project “Cultural heritage for all”, University of Messina/Thesauron. Duties performed: questionnaire coding and data processing.

2005

- First survey on the factors determining school success, ITCG “Borghese” of Patti. Duties performed: questionnaire design and data processing.

2004

- Survey on the social and cultural aspects of first-year students at the “Copernico” Technical Industrial Institute and Technological High School of Barcellona Pozzo di Gotto. Duties performed: questionnaire design and data processing.

2003

- Survey on the services offered by tourist facilities in the provinces of Messina and Syracuse. Duties performed: questionnaire design, sampling and data processing.
- Survey on time use among upper secondary school students in the province of Messina. Duties performed: questionnaire design, sampling design and data processing.

2002

- Survey on the social and cultural aspects of first-year students at the “Leonardo da Vinci” Technical Institute of Milazzo. Duties performed: questionnaire design and data processing.

1998

- Coordinator of the ISTAT pilot project “Environmental protection expenditure incurred by Italian households”. Duties performed: questionnaire design, 1998 edition, and data processing.
- Survey on university pathway choice in the province of Messina. Duties performed: questionnaire design, sampling design and data processing.

1997

- Survey on university pathway choice in the province of Messina. Duties performed: questionnaire design and data processing.

1996

- Market research on the positioning of selected fish products in Sicily. Duties performed: questionnaire design, sampling design and data processing.

SKILLS

- European Computer Driving Licence (ECDL), obtained on 26 May 2004.
- Operating systems and programming languages: MS-DOS, Windows 3.11, Windows 95, Windows 98, Windows XP, Visual Basic.
- Application programmes and basic software: Excel, Word, Access, PowerPoint, Lotus, Freelance.
- Mathematical, statistical and GIS software: SPSS, S-Plus, Gauss, Statgraphics, SISTAN, STATISTICA, STATA, SPAD, Derive, Microfit, HLMwin, MLwiN, R, ArcGIS, QGIS, GWR, MGWR, MATLAB.
- Software developed: RICLADIS; S-Joint, with Pietro Bertuccelli.

TRAINING COURSES

- Workshop “GIS and Risk: Building integrated approaches for case studies”, Messina, 26-30 January 2009.
- SIS School in “Statistical methods and models for the evaluation of training processes: theoretical and applied aspects”, Florence, 16-20 October 2006.
- 11th Residential Course in Econometrics, organized by CIDE, University of Bologna, Bertinoro (FO), 4-15 September 2000.
- Training course for Statistics Office staff, organized by ANASTAT, Milazzo, 10-12 December 1996.
- Study day on “Neural networks and applications to statistics”, organized by the Department of Mathematics and Statistics of the University Federico II of Naples, Naples, 28 October 1996.
- Training course on “Modern statistical methodologies for the analysis of environmental and economic data”, organized by the Department of Statistics of the University of Venice, Pieve di Cadore, 18-22 September 1995.
- Training course on “Modern methodologies for the analysis of environmental data”, organized by the Institute of Statistics of the Faculty of Economics of the University of Venice, Belluno, 28 September-1 October 1994.

- Training course on “Models and techniques for the analysis of spatial and spatio-temporal data”, organized by SIS within the XXXVII Scientific Meeting, Sanremo, 5 April 1994.

LANGUAGES

- English.
- Spanish, school level.

THE UNDERSIGNED, AWARE OF THE PROVISIONS OF ARTICLE 76 OF PRESIDENTIAL DECREE NO. 445 OF 28 DECEMBER 2000 CONCERNING CRIMINAL LIABILITY IN THE EVENT OF FALSE DOCUMENTS AND FALSE DECLARATIONS, AS WELL AS OF THE PROVISIONS OF ARTICLE 75 OF PRESIDENTIAL DECREE NO. 445 OF 28 DECEMBER 2000 CONCERNING FORFEITURE OF ANY BENEFITS OBTAINED ON THE BASIS OF UNTRUTHFUL DECLARATIONS, PURSUANT TO AND FOR THE PURPOSES OF THE AFOREMENTIONED PRESIDENTIAL DECREE NO. 445/2000 AND UNDER HIS OWN PERSONAL RESPONSIBILITY, DECLARES THAT ALL THE INFORMATION CONTAINED IN HIS CURRICULUM VITAE IS TRUE.

Messina, 15 May 2026

Faithfully
Massimo Mucciardi