

Curriculum Vitae

INFORMAZIONI PERSONALI

Nome MAURO
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FORMAZIONE TITOLI

Nov 2022 --
Associate Professor in Social Statistics
Department of Culture and Society – University of Palermo (Italy)

Dec 2019 – – Nov 2022
Assistant Professor in Social Statistics (tenure track)
Department of Culture and Society – University of Palermo (Italy)

Nov 2014 – – Oct 2019
Assistant Professor in Social Statistics
Department of Culture and Society – University of Palermo (Italy)

April 2012 – – Oct 2014
Post-doc in Social Statistics - Research in the field of Applied Social Statistics, with particular emphasis on Tourism Research
Supervisor: Prof. A.M. Parroco (Apr-Dec 2012) Prof. S. De Cantis (Jan 2013 - Oct 2014). Department of Economics, Business and Statistics – University of Palermo (Italy)

July 2008 – March 2012
Post-doc in Social Statistics
Research in the field of Applied Social Statistics, with particular emphasis on Tourism Research
Supervisor: Prof. F. Vaccina – Department of Quantitative Methods for Human Sciences – University of Palermo (Italy)

Jan 2005 – Apr 2008
Ph.D. in Tourism Sciences
Final dissertation in Social Statistics. Title: Characterization of tourism activity in Sicily. Methods, measures and results on accommodation sector.
Supervisor: Prof. S. De Cantis – Department of Quantitative Methods for Human Sciences – University of Palermo (Italy)

Jul 2006 – Jan 2007
Visiting Research
Supervisor: Prof. G.J.D. Hewings. Regional Economic Application Laboratory. University of Illinois at Urbana-Champaign (USA).

Jul 2004
B.Sc. in Economics
Supervisor: Prof. A. Purpura. Grade: 110/110 cum laude. University of Palermo.

ATTIVITA' DIDATTICA

Teaching activities in Bachelor and Master Degrees at the University of Palermo

2021- Professor of Social Statistics (9cf) - Degree in Administration, Organization and Labor Consulting Sciences - University of Palermo

2019- Professor of Quantitative Methods for Development (6cfu) - Master Degree in Cooperation, Development and Migration - University of Palermo

2016-Professor of Social Statistics (6cfu) Degree in Communication Sciences for Media and Institutions University of Palermo

2016-2020 Professor of Data Analysis Laboratory (6cfu) Master Degree in Social Psychology of Labor and Organizations University of Palermo

2015-2020 Professor of Social Statistics (3cfu) Degree in Healthcare Assistant - University of Palermo

2015-2016 Professor of Social Statistics (6cfu) - Degree in Social Services - University of Palermo

2014-2015 Professor of Social Statistics (6cfu) - Degree in Social Services - University of Palermo

2014-2015 Professor of Social Statistics (3cfu) - Degree in Healthcare Assistant - University of Palermo

2013-2014 - Contract Professor in Social Statistics (6fu) Degree in Communication Sciences for Media and Institutions University of Palermo

2013-2014 - Contract Professor in Research Methods in Tourism (6cfu) Degree in Tourism Sciences - University of Palermo

March-April 2012 - Seminars cycle for Ph.D. Students in Economics, Territory and Development, titled "Tourism statistics in Italy and in Europe: current challenges and future issues". University of Palermo

2012-2013 - Contract Professor in Research Methods in Tourism (6cfu) - Degree in Tourism Sciences - Faculty of Economics, University of Palermo

2008-2009 - Contract Professor in Statistical Models for Social Sciences (6cfu) - Graduate Course of Specialistic Degree in Statistics for Social and Healthcare Sciences - Faculty of Economics, University of Palermo

2014-2016 - Member, University Master Plan in Hospitality Management in cooperation with the Florida International University.

Teaching activities in Doctoral programs

2021 - Short course on: Quantitative Methods and GIS applications in Social Sciences. Doctoral program in "Human Sciences: System Dynamics, Cultural Heritage and Cultural Studies". 19-21 May 2021, 6 hours.

2018 - 2022 Applied Statistics Laboratory in R. Doctoral program in Earth and Marine Sciences.

2018 - Seminar for the Doctoral Program in Tourism on: Tourist mobility: current perspectives and future challenges, Universidad de Sevilla.

2015- Seminar for the Doctoral Program in Economics, Statistics and Psychological Sciences on "Complex surveys: from the research design to the analysis of the results'.

current challenges and future issues!

2012 Seminar for the Doctoral Program in Economics, Territory and Development on "Tourism Statistics in Italy and Europe:

2011 - Introduction to spatial analysis. Seminar for the Doctoral Program in Tourism Sciences.

Teaching activities in other institutions

2019. Seminar at the University of Wien on: "Measuring concentration in time and space: a novel proposal and empirical applications" (Wien University of Economics and Business, Wien - Austria).

2019. Seminar at WIFO (Austrian Institute of Economic Research) on: Collecting and analyzing data on tourist mobility: methodological challenges and empirical applications. (Austrian Institute of Economic Research, Wien- Austria).

2019. Seminar for Ph.D. students in Tourism and Leisure Research at the University Rovira i Virgili of Tarragona (Spain) on: Collecting and analyzing data on tourist mobility. Faculty of Tourism and Geography Vila-Seca (Tarragona – Spain).

2018. Visiting Professor at the University of Seville. Course taught: "Statistics" (in English) BA in "Tourism" (8 hours); "Statistics II" (in English) BA in "Finance and Accounting" (6 hours).

2018: Seminar for Master students in "Dirección y planificación de Turismo", University of Malaga on "The measurement of tourism activities across time and space. Traditional approaches and new perspectives". Malaga (Spain).

2018: Seminar for Ph.D. student in "Tourism" of the University of Sevilla on "Analyzing Tourist Mobility: traditional approaches and new perspectives", Seville (Spain)..

2018: Seminar for the PYMED research group of the Department of Economía Aplicada I of the University of Sevilla on "A new spatial concentration index: a transportation cost approach". Seville (Spain).

2016: Visiting Professor at the Facultad de Turismo dell'Universidad de Málaga. Seminar on: "Tourist mobility. Methodological challenges and empirical applications". for the Master Degree in: " Dirección y Planificación del Turismo", Facultad de Turismo, Malaga (Spain).

2015: Visiting Professor. Seminars cycle of 12 hours for Master students of the Programme in Business Economics on: Tourist mobility and GPS technologies; Statistical Analysis of GPS tracking data; Sampling mobile population; Cruise passengers' behavior at the destination: investigation using GPS technologies; Application of GIS to the analysis of tourist mobility; Faculty of Economics, University of Dubrovnik, Croatia.

Additional Functions at the University of Palermo

2020-Responsible of the Inter-institutional University Agreement between the University of Palermo and the University Estadual of Santa Cruz (UESC) at Ilheus (Brasil)

2020- Responsible of the Erasmus Program with the Vilnius Gediminas Technical University - Faculty of Creative Industries. Bachelor Degree in Communication Science and Master Degree in Public Communication for firms and advertisement.

2019-Responsible of the Erasmus Program with the University of Oviedo - Staff and teaching mobility program

2018-Responsible of the Erasmus Program with the University of Coimbra - Staff and teaching mobility program

2018-Responsible of the Erasmus Degree Program with the University of Sevilla - Master Degree in Public Communication for firms

2018-Responsible of the Erasmus Program with the University of Wroclaw - Master Degree in Public Communication for firms and advertisement

2018-Responsible of the Erasmus Program with the University of Ljubljana - Master Degree in Public Communication for firms and advertisement

2016-Responsible of the Erasmus Program with the University Complutense of Madrid - Degree in Communication Science

2016-Responsible of the Erasmus Program with the University of Ljubljana - Degree in Communication Science

2015-Responsible of the Erasmus Program with the University of Sevilla - Degree in Communication Science

2019-Member of the Commission for the Internationalization of the Department - Department of Culture and Society

2018-Member of the Commission for Quality evaluation of Departmental research activities - Department of Culture and Society

2018-2019 Member of the Group for the University System for the evaluation of research activities and Public Engagement. Analysis and reporting of the research activities and public engagement actions of the Department of Culture and Society.

2015-Member of the Quality commission for the Degree in Communication Science

RICERCHE FINANZIATE

Research Grants

2023 – Scientific Responsible of the Local Unit for the National Research Project (PRIN): RETIN Responses To Inequalities in Non-communicable diseases: measurement and management challenges through an inter-regional perspectives. National Coordinator: Prof. Chiara Seghieri, Scuola Sant'Anna di Pisa. Duration: 24 months.

2023 – Principal Investigator for the University of Palermo local unit for the project: INNO4Tourism, within the call: ERASMUS-EDU-2023-CBHE (Capacity Building in Higher Education) Topic: ERASMUS-EDU-2023-CBHE-STRAND-2. Coordinator: PRINCE OF SONGKLA UNIVERSITY. Duration: 36 months.

2020 – Principal Investigator for the Department of Culture and Society for the project: SOUTH-SOUTH UNIVERSITIES ALLIANCE", "SO-UNI Alliance", Total project funds. Duration: 18 months.

2019- Principal Investigator of a Research project on "Use of integrated data sources for for reducing inequality in healthcares". Partners: Department of Culture and Society - University of Palermo and Regional Observatory of Epidemiology.

2018 - Impact evaluation of social actions for the call "Nuove Generazioni" promoted by Con i Bambini institution, for the project "Felici Digitali" - Responsible for the Department Culture and Society.

2015-2017 Principal Investigator of a Research project on "Actions for reducing inequality in healthcares. Analysis of distances from hospitals". Partners: Department of Culture and Society - University of Palermo and Regional Observatory of Epidemiology.

Experiences and participation in research projects

action in support of the Paris Agreement) as research responsible for the University of Palermo. Coordinator: Danmarks Meteorologiske Institut
Participation to the project proposal on H2020-EC-CLA-2018-2019-2020 (Building a low-carbon, climate resilient future: climate

Member of the research project "Ustica Island - Environmental Accounting". Analysis of recreational boats activity through GPS technologies. Principal Investigator: Prof. M. Milazzo, 2015.

Member of the research project "TourMob", University of Palermo and the Hebrew University of Jerusalem. Analysis of cruise passengers' behavior with the use of GPS technologies, 2014.

Member of a research project on "Analysis of risk factors in asthmatic children. A longitudinal study". National Research Center (CNR), Institute of Biomedicine and Molecular Immunology. Scientific Responsible: Dr. S. La Grutta, 2012

Preparation of a research project as a Principal Investigator within a call of the Italian Ministry: ORIENTA Platform for an International Network for the analysis of tourism and decision making. 2013.

Preparation of a research project as a Principal Investigator within a call of the Italian Ministry: PLATA (Integrated Platform for the Analysis of Tourism and Decision Making). Partners involved: University of Palermo, University of Cagliari, University of Sassari, Italian Statistical Institute, Regional bureau of Sicily, Regional Economic Application Laboratory (University of Illinois at Urbana-Champaign – USA); Istituto de Estadistica University of Uruguay (IESTA); Department of Economics of the Norwegian University of Life Science (Norway); Departamento de Comercialization e Investigacion de Mercados of the University of Valencia (Spain); Institut Universitario d'Economia Internacional of the University of Valencia (Spain), 2012.

Member of the European Transnational Project "INTER-MED" within the CIRCLE ERA-NET call on "Integrated Coastal Zones and Water Management" 2008-2010. Principal Investigator: Prof. G. Sarà, Department of Ecology, University of Palermo.

Member of University of Palermo's research programme on "Analysis of tourist behavior with the use of new technologies" Principal Investigator Prof. S. De Cantis, 2012.

Member of a research project of the University of Udine, "Analysis of statistical sources on tourism. Trends and spatial distribution of tourism activity in Sardinia", 2008

Member of a Project of Relevant National Interest (PRIN) on Regional Tourism Mobility. Socio-economic aspects of motivations and behaviors. Principal Investigator: Prof. F. Vaccina, Department of Quantitative Methods for Human Sciences, University of Palermo, 2007-2009.

2008 - University of Udine, Department of Statistical Sciences.

Reserach contract for the 'Analysis of tourism activity in Sardinia'. Responsible: Prof. F. Buratto.

ASSOCIAZIONI SCIENTIFICHE

Italian Statistical Society (SIS), Association for Applied Statistics (ASA) Italian Association of Epidemiology (AIE); Italian Association for Population Studies (AISP); EU-REAL International Network.

PUBBLICAZIONE

Doctoral Dissertation

1. **Ferrante, M.** (2008) Characterization of tourism activity in Sicily. Models, methods and results on accommodation sector.

Edited books:

1. **Ferrante, M.**, Fritz, O., Öner, Ö. (Eds.) (2021) Regional Science Perspectives on Tourism and Hospitality, Springer - Advances in Spatial Science Book Series, Springer.

1. D'Angelo, N., Abbruzzo, A., Ferrante, M., Adelfio, G., & Chiodi, M. (2023). GPS data on tourists: a spatial analysis on road networks. *ASTA Advances in Statistical Analysis*, 1-23. A Journal in 13th Area of Italian Ranking
2. Rea, F., Ferrante, M., Scondotto, S., & Corrao, G. (2023). Small-area deprivation index does not improve the capability of multisource comorbidity score in mortality prediction. *Frontiers in Public Health*, 11, 1128377.
3. Rubino, C., Di Maria, C., Abbruzzo, A., & **Ferrante, M.** (2022). Socio-economic inequality, interregional mobility and mortality among cancer patients: A mediation analysis approach. *Socio-Economic Planning Sciences*, 82, 101247. <https://doi.org/10.1016/j.seps.2022.101247> A Journal in 13th Area of Italian Ranking
4. Sciortino, C., **Ferrante, M.**, De Cantis, S., & Gyimóthy, S. (2022). Tracking cruise passengers' consumption: An analysis of the relationships between onshore mobility and expenditure. *Annals of Tourism Research Empirical Insights*, 3(2), 100059.
5. Lino, B., Contato, A., **Ferrante, M.**, Frazzica, G., Macaluso, L., & Sabatini, F. (2022). Re-Inhabiting Inner Areas Triggering New Regeneration Trajectories: The Case Study of Sicani in Sicily. *Sustainability*, 14(2), 976.
6. Abbruzzo, A., **Ferrante, M.**, & De Cantis, S. (2021). A pre-processing and network analysis of GPS tracking data. *Spatial Economic Analysis*, 16(2), 217-240. Ranked as an A Journal on the Australian ABCD list. A Journal in 13th Area of Italian Ranking
7. **Ferrante, M.**, Lo Magno, G. L., De Cantis, S., & Hewings, G. J. (2020). Measuring spatial concentration: A transportation problem approach. *Papers in Regional Science*, 99(3), 663-682. Ranked as an A Journal on the Australian ABCD list. A Journal in 13th Area of Italian Ranking
8. **Ferrante, M.** (2020). Perspectives of REAL network scholars: Challenges and opportunities for regional development. *Regional Science Policy & Practice*, 12, 2, 229-231.
9. Shoal, N., Kahani, A., De Cantis, S., **Ferrante, M.** (2020) Impact of incentives on tourist activity in space-time. *Annals of Tourism Research*, 80, doi: 10.1016/j.annals.2019.102846 Ranked as an A Journal on the Australian ABCD list. A Journal in 13th Area of Italian Ranking
10. **Ferrante, M.**, Sciuto, V., Pollina-Addario, S., Parroco, A.M., (2019) Individual and contextual determinants of inter-regional mobility in cancer patients. *Electronic Journal of Applied Statistical Analysis*, 12(1): 14-25
11. **Ferrante, M.**, Lo Magno, G.L., De Cantis, S. (2018) Measuring seasonality across European Countries. *Tourism Management*, 68, 220-235. Impact Factor: 2.554 A Journal in 13th Area of Italian Ranking
12. Fantaci, G., **Ferrante, M.**, Ettore, G., & Scondotto, S. (2018). A composite indicator for maternity hospital classification. *Epidemiologia e prevenzione*, 42(2), 160-166.
13. Corrao, G., Rea, F., Di Martino, M., De Palma, R., Scondotto, S., Fusco, D., Lallo, A., Belotti, L.M.B., **Ferrante, M.**, Pollina Addario, S., Merlino, L., Mancia, G., Carle, F.. (2017). Developing and validating a novel multisource comorbidity score from administrative data: a large population-based cohort study from Italy. *BMJ open*, 7(12), e019503.
14. Lo Magno, G.L., **Ferrante, M.**, De Cantis, S. (2017) A new index for measuring seasonality: A transportation cost approach. *Mathematical Social Sciences*, 88: 55-65. doi: 10.1016/j.mathsocsci.2017.05.002
15. **Ferrante, M.**, Abbruzzo, A., De Cantis, S. (2017) Graphical models for estimating network determinants of multi-destination trips in Sicily. *Tourism Management Perspectives*, 22:109-119.
16. Scondotto G., Pojero F., Pollina-Addario S., **Ferrante M.**, Pastorello M., Visconti M., Scondotto S., Casuccio A. (2017) The impact of polypharmacy and drug interactions among the elderly population in Western Sicily, Italy. *Aging Clinical and Experimental Research*, 1-7 (on-line). doi: 10.1007/s40520-017-0755-2
17. Scondotto G., Pollina-Addario S., **Ferrante M.**, Pastorello M., Visconti M., Casuccio A. (2017) Hospitalization and mortality among the elderly exposed to polytherapy and at risk of adverse drug reactions. *Giornale Italiano di Farmacia Clinica*, 31(1): 16-22.
18. **Ferrante M.**, De Cantis S, Shoal, N. (2016). A general framework for collecting and analyzing the tracking data of cruise passengers at the destination. *Current Issues in Tourism*. doi: 10.1080/13683500.2016.1194813 Impact Factor: 1.733. Ranked as an A Journal on the Australian ABCD list. A Journal in 13th Area of Italian Ranking
19. De Cantis S, **Ferrante M.**, Kahani, A., Shoal, N. (2016). Cruise passengers behavior at destination. Investigation using GPS technologies. *Tourism Management*, doi: 10.1016/j.tourman.2015.06.018. Impact Factor: 2.554 A Journal in 13th Area of Italian Ranking
20. De Cantis S, Parroco AM, **Ferrante M.**, Vaccina F. (2015). Unobserved tourism. *Annals of Tourism Research*, vol. 50, p. 1-18, ISSN: 0160-7383, doi: 10.1016/j.annals.2014.10.002. Impact Factor: 2.795 A Journal in 13th Area of Italian Ranking
21. **Ferrante M.**, Scondotto S, De Luca G, Fantaci G, Pollina-Addario S. (2014). Distance from the nearest hospital and mortality for acute myocardial infarction (AMI) in Sicily Region (Southern Italy). *Epidemiologia e Prevenzione*, vol. 38(6), p. 373-378. Impact Factor: 1.456
22. Parroco A.M., Vaccina F., De Cantis S., **Ferrante M.** (2012). Multi-Destination Trips and Tourism Statistics: Empirical Evidences in Sicily. *Economics: The Open-Access, Open-Assessment E-Journal*, Vol. 6, 2012-44. doi: 10.5018/economics-ejournal.ja.2012-44. Impact Factor: 0.644
23. De Cantis, S., **Ferrante, M.**, Vaccina, F. (2011) Seasonal pattern and amplitude – a logical framework to analyse seasonality in tourism: an application to bed occupancy in Sicilian hotels, *Tourism Economics*, 17(3), 655-676. doi: 10.5367/te.2011.0055. Impact Factor: 0.745

Chapters in Collections

1. **Ferrante, M.**, Pavli, I., & De Cantis, S. (2021). Individual and Contextual Determinants of Cruise Passengers' Behavior at Their Destination: A Survival Approach. In **Ferrante, M.**, Fritz, O., Öner, Ö. (Eds.) *Regional Science Perspectives on Tourism and Hospitality* (pp. 339-353). Springer, Cham.
2. **Ferrante, M.**, Bongiorno, C., Shoal, N. (2019) Similarity of GPS trajectories using Dynamic Time Warping: an application to cruise tourism. In Crocetta, C. (Eds.) *Contributions to theoretical and applied statistics. In honour of Corrado Gini*. Springer
3. De Cantis S, **Ferrante M** (2014). Tourism Statistics for Destination Management: The Trips/Arrivals Model. In: Crescenzi, F., Mignani, S. (Eds.) *Statistical Methods and Applications from a Historical Perspective*, p. 371-381, Springer International Publishing.
4. Ferrante M, De Cantis S (2013). Indirect Measurement of Unobserved Tourism. The Municipal Solid Waste (MSW) as an Indicator of Human Pressure. In Oliveri A.M., De Cantis S (Eds.) *Analysing Local Tourism: a Statistical Perspective*. p. 73-86, Maidenhead:McGraw-Hill Education.
5. De Cantis S, **Ferrante M** (2013). The Implementation and Main Results of the TLS Design in a Survey on Incoming Tourism in Sicily. In Oliveri A.M., De Cantis S (Eds.) *Analysing Local Tourism: a Statistical Perspective*. p. 255-267, Maidenhead:McGraw-Hill Education.
6. De Cantis S, **Ferrante M** (2013). The Sampling Design of the Survey on Incoming Tourism in Sicily: a TLS Approach. In Oliveri A.M., De Cantis S (Eds.) *Analysing Local Tourism: a Statistical Perspective*. p. 171-185, Maidenhead (UK):McGraw-Hill Education.
7. Parroco AM, **Ferrante M**, Vaccina F (2013). Unobserved Tourism: Conceptual Aspects and Estimates . In Oliveri A.M., De Cantis S (Eds.) *Analysing Local Tourism: a Statistical Perspective*. p. 65-71, Maidenhead:McGraw-Hill Education.
8. Oliveri A.M., Polizzi G., **Ferrante M.** (2013) La mobilità nel territorio: motivazioni, comportamenti e configurazioni spaziali. In Oliveri A.M., Polizzi G. (Eds.), *Turismo e comunicazione tra mobilità fisiche e virtuali*, pp.15-40, Mc-Graw Hill Education, Milano.
9. De Cantis S, **Ferrante M** (2012). Viaggi multidestinazione e turismo sommerso: l'indagine sul turismo incoming in Sicilia. In Oliveri A.M., De Cantis S (Eds.) *Mobilità del turismo regionale incoming. Aspetti socio-economici dei comportamenti e delle motivazioni*. p. 11-22, Milano:McGraw-Hill Education.
10. Vaccina F, Parroco A M, **Ferrante M** (2012). Viaggi multi-destinazione in Sicilia: principali determinanti ed effetti distorcenti nelle statistiche sul turismo . In Asero V., D'Agata E., Tomaselli V. (Eds.) *Turismo e territorio: analisi empiriche ed approcci metodologici* . p. 39-50, Milano:McGraw-Hill Education.
11. De Cantis S, **Ferrante M**, Scuderi R (2012). Una nota sul campionamento in Sicilia e Sardegna per l'analisi della mobilità: le probabilità di selezione e il processo di calibrazione. In Asero V., D'Agata E., Tomaselli V. (Eds.) *Turismo e territorio: analisi empiriche ed approcci metodologici* . p. 9-20, Milano: McGraw-Hill Education.
12. Parroco A M, **Ferrante M**, Scuderi R (2012). La calibrazione delle stime nell'indagine sul turismo incoming in Sicilia. In Oliveri, A.M., De Cantis, S. (Eds.) *Mobilità del turismo regionale incoming. Aspetti socio-economici dei comportamenti e delle motivazioni*. p. 23-34, Milano: McGraw-Hill Education.
13. De Cantis S, **Ferrante M** (2011). Measuring Seasonality: Performance of Accommodation Establishments in Sicily through the analysis of Occupancy Rates. In Álvaro M., Nijkamp P, Sarmento M (Eds.) *Tourism Economics. Impact Analysis*. Heidelberg, Springer Verlag.
14. Parroco, A.M., **Ferrante, M.**, Vaccina, F. (2011) Viaggi multi-destinazione e percorsi turistici in Sicilia. In Asero V., D'Agata R., Tomaselli V. (Eds.) *Turisti per caso?...Il turismo sul territorio: motivazioni e comportamenti di spesa*, Bonanno Editore, Acireale – Roma, pp.53-58.
15. De Cantis, S., **Ferrante, M.** (2011) The probabilities of selection of first and second stage units in the Time Location Sampling (TLS) design for the survey on incoming tourism in Sicily and Sardinia. In Asero V., D'Agata R., Tomaselli V. (Eds.) *Turisti per caso?...Il turismo sul territorio: motivazioni e comportamenti di spesa*, Bonanno Editore, Acireale – Roma, pp.27-34.
16. **Ferrante M**, Vaccina F. (2010). Turismo e mobilità: aspetti di ricerca e principali implicazioni per le statistiche del turismo. In Parroco A.M., Vaccina F. (Eds) *Mobilità e altri comportamenti dei turisti: studi e ricerche a confronto*. pp. 9-20, Milan, McGraw-Hill.
17. **Ferrante, M.** (2010) Concentrazione della ricettività in Sicilia. Un'analisi territoriale. In Parroco A.M. (Eds.) *Turismo e comunicazione. Fattori emergenti tra pratiche e politiche turistiche, Analisi dei mercati turistici regionali e sub-regionali*, vol. 9, Cleup, Padova, pp.111-129.
18. Purpura A, **Ferrante M.**, Notarstefano G, Scuderi R (2006). Comportamento di spesa del turista: un approccio micro-econometrico. In Tomaselli V., Vaccina F. (Eds.) *Turismo a Cefalù: dimensioni statistiche ed effetti socio-economici.*, Collana di studi statistici per il turismo, Volume 4, Cleup, Padova, 155-183.
19. De Cantis S., **Ferrante M.** (2006) La stima del sommerso turistico a livello circoscrizionale attraverso misure indirette: i rifiuti solidi urbani (RSU). In Tomaselli V., Vaccina F. (Eds.) *Turismo a Cefalù: dimensioni statistiche ed effetti socio-economici*, Collana di studi statistici per il turismo, Volume 4, Cleup, Padova, 55-81.

Entries in Encyclopedia

1. **Ferrante, M.** (2017) Olympic Games and Their Impacts. In The SAGE International Encyclopedia of Travel and Tourism, Publisher: SAGE Publications, Inc, Editors: Linda L. Lowry, pp.911-914
2. De Cantis, S., **Ferrante, M.** (2017) Seasonality and Tourism. In The SAGE International Encyclopedia of Travel and Tourism, Publisher: SAGE Publications, Inc, Editors: Linda L. Lowry, pp.1074-1077
3. **Ferrante, M.**, De Cantis, S., (2016) Multidestination trip. In Encyclopedia of Tourism, Publisher: Springer International Publishing, Editors: Jafar Jafari, Honggen Xiao, pp. 635-636
4. De Cantis, S., **Ferrante, M.**, (2016) Survey. In Encyclopedia of Tourism, Publisher: Springer International Publishing, Editors: Jafar Jafari, Honggen Xiao, pp. 913-914

Conference Proceedings

1. D'Angelo, N., Ferrante, M., Abbruzzo, A., Adelfio, G. (2021) Identification and modeling of stop activities at the destination from GPS tracking data. *Proceedings of the 50th edition of the Scientific Meeting of the Italian Statistical Society*. 21-25 June 2021.
1. D'Angelo, N., Adelfio, G., Abbruzzo, A. Ferrante, M. (2021) Determinants of spatial intensity of stop locations on cruise passengers tracking data. *Proceedings of ASA Applied Statistic Conference on: Statistics and information systems for policy evaluation*". 12 Febbraio 2021
1. Rubino, C., **Ferrante, M.**, Abbruzzo, A., Fantaci, G., & Scondotto, S. (2020). Interregional mobility, socio-economic inequality and mortality among cancer patients. In *SIS 2020* (pp. 768-773). Pearson.
2. Sciortino, C., De Cantis, S., **Ferrante, M.**, & Gyimóthy, S. (2020). Cruise passengers' expenditure at destinations: Review of survey techniques and data collection. In *SIS 2020* (pp. 1442-1447). Pearson.
3. Abbruzzo, A., **Ferrante, M.**, De Cantis, S. (2019) *Density-based algorithm and network analysis for GPS data*. Proceedings of the 50th Meetings of the Italian Statistical Society, on Smart Statistics for Smart Applications, 19-21 June 2019, Milan.
4. **Ferrante, M.**, Birenboim, A., Milito, A.M., De Cantis, S., (2018). *Monitoring event attendance using a combination of traditional and advanced surveying tools*. In: Abbruzzo, A., Brentari, E., Chiodi, M., Piacentino, D. (Eds.) Proceedings of the 49th Statistical Meeting of the Italian Statistical Society, 20-22 June Palermo.
5. Lo Magno, G. L., **Ferrante, M.**, De Cantis, S., (2017). *A comparison between seasonality indices deployed in evaluating unimodal and bimodal patterns*. In Petrucci, A., Verde, R. (Eds.) Proceedings of the Conference of the Italian Statistical Society, 28-30 June 2017, Florence
6. **Ferrante, M.**, Bongiorno, C., Shoval, N. (2015) Cruise passengers' trajectories at destination. A Dynamic Time Warping approach. In Proceedings of the SIS 2015 Statistical Conference - Statistics and Demography: the Legacy of Corrado Gini (pp.1-6). Padova : Cleup.
7. Carnà, P., **Ferrante, M.**, Pontillo, A., Migliardi, A., & Scondotto, S. (2015). Population geocoding for healthcare management. Technical challenges and quality issues. In Proceedings of the SIS 2015 Statistical Conference - Statistics and Demography: The Legacy of Corrado Gini (pp.1-6). Padova : Cleup.
8. Parroco, A., **Ferrante, M.**, & Oliveri, A. (2015). Resident's Perceptions of Tourism Influence on Quality of Life: a Multilevel approach.. In Proceedings of the SIS 2015 Statistical Conference - Statistics and Demography: The Legacy of Corrado Gini (pp.1-6). Padova : Cleup.
9. De Cantis S, **Ferrante M** (2013). Tourism statistics and unobserved tourism: empirical evidences in Sicily. In: (a cura di): Raguž I.V.; Lon ar I., "Scientific Conference on Innovative Approaches to the Contemporary Economic Problems". Dubrovnik:University of Dubrovnik, ISBN: 978-953-7153-31-1, Dubrovnik, 27-29 September
10. De Cantis S, **Ferrante M**, Calò P. (2013). Analysing tourist mobility: current issues and future challenges. In: (a cura di): Raguž I.V.; Lon ar I., "Scientific Conference on Innovative Approaches to the Contemporary Economic Problems". Dubrovnik:University of Dubrovnik, ISBN: 978-953-7153-31-1, Dubrovnik, 27-29 September
11. De Cantis S, **Ferrante M** (2012). Border surveys and Time Location Sampling (TLS): an application on incoming tourism in Sicily. In: Proceedings of the XLVI Scientific Meeting, Società Italiana di Statistica, Sapienza University of Rome, June 20-22 2012. p. 1-4, PADOVA:CLEUP, Rome (Italy), June 20, 2012 – June 22, 2012
12. Vaccina F, Parroco AM, De Cantis S., **Ferrante M.** (2011). Un-observed tourism: approaches and case studies in Sicily. In: TTRA Europe 2011 and AFM conference "Creativity and innovation in tourism". Technopole d'Archamps, 11-13 April 2011

13. De Cantis S, **Ferrante M** (2008). Seasonality in tourism: a critical review of its main measures. In: First Joint Meeting of the Société Francophone de Classification and the Classification and Data Analysis Group of the Italian Statistical Society. Caserta, 11-13 Giugno 2008, p. 265-268, Naples: Edizioni Scientifiche Italiane.
14. De Cantis S, **Ferrante M** (2007). Data quality and error correction in Italian official statistics on guests of accommodation establishments. In: Classification and Data Analysis 2007. Book of Short Papers. Meeting of the Classification and Data Analysis Group of the Italian Statistical Society. Macerata, 12-14 Settembre 2007, p. 649-652, Macerata: Eum.

Invited speaker at scientific conferences:

2021: 23th Nordic Symposium on Tourism and Hospitality Research, co-organizer of the workshop on: Mapping the Beaten Track: Modeling tourism consumption in real time with GPS methods and presentation of a short seminar on Analyzing tourists mobility: traditional approaches and new perspectives, 21-23 September 2021, Akureyri (Iceland) **[INVITED SPEAKER]**.

Workshop on "Challenges for European City Tourism" – European Forum at the Hebrew University of Jerusalem, Jerusalem, Israel. 2-5 May, 2018 **[INVITED SPEAKER]**

Workshop on "The Future of the Hospitality and Tourism Sector" – Center for Entrepreneurship and Spatial Economics, Jönköping, Sweden. 2016 **[KEYNOTE INVITED SPEAKER]**

Health in Italy: Analysis of Istat survey. Presentation on Overweight and obesity: Southern Issue or social disadvantage? National Institute of Statistics, Rome, 16 November 2016 ISTAT **[INVITED SPEAKER]**

"Tourism mobility tracking: methodological challenges from data collection to data analysis" Tourism Mobility Workshop 2015, TOMTE - Free University of Bozen-Bolzano - 6-10 October 2015, Bruneck, South Tyrol, Italy **[KEYNOTE INVITED SPEAKER]**

ATTIVITA' SCIENTIFICHE

2018 - Regional Editor for the Journal: Regional Science Policy and Practice, for the Special Issue on "Societal Challenges and Opportunities for Regional Development".

Main referee activities include: Journal of Regional Science, Tourism Management, Annals of Tourism Research, Tourism Management Perspectives; Applied Geography; Economic Research; Journal of Hospitality and Tourism Research; International Journal of Culture, Tourism, and Hospitality Research; Current Issues in Tourism

Since Dec 2011 is member of the editorial board of the book series "Statistical Studies for Tourism". Cleup, Padova: <http://www2.cleup.it/Studi-Statistici-Per-Il-Turismo/>

Member of the organizing committee for the Workshop "Advances in Tourism Research". Dept. of Economic, Business and Statistics. University of Palermo. 4-5 November 2013, Palazzo Steri, Palermo.

Member of the organizing committee for the Intermediate Workshop PRIN 2007 "Tourist mobility and behaviors" Dept. of Quantitative Methods for Human Sciences. University of Palermo. 4-5 March 2010, Palazzo Steri, Palermo.

Member of the National Relevant Interest Project (PRIN) 2007-2009 titled: "Analysis of tourist mobility at the regional level. Socio-economic aspects of motivations and behaviors". Principal Investigator: Prof. F. Vaccina - Dept. of Quantitative Methods for Human Sciences. University of Palermo.

Member of the European Project "INTER-MED" within the CIRCLE ERA-NET, "Integrated Coastal Zones and Water Management" 2008-2010. Principal Investigator: Dr. G. Sarà (Dept of Ecology – University of Palermo) <http://www.unipa.it/intermed/>

Participation to the internal research project (ex60%) titled "Analysis of tourism phenomena through new technologies" 2012 (24 months)
University of Palermo (2012-ATE-0199). Resp. Prof. S. De Cantis.

Participation to the internal research project (ex60%) titled "Analysis of tourist satisfaction in Palermo Province" 2007 (24 months)
University of Palermo. Resp. Prof. F. Vaccina

Participation to the internal research project (ex60%) titled "Spatial approach for the analysis of tourism at regional and sub-regional level" 2006 (24 months)
University of Palermo. Resp. Prof. F. Vaccina.

Participation to the internal research project (ex60%) titled "A spatial approach to risk adjustment. Methods and problems of outcome standardization in healthcare contexts". (24 months)
University of Palermo. Resp. Prof. S. De Cantis.

Organization of conferences

Organizer of the 15th EU-REAL Workshop on Societal Challenges and Opportunities for Regional Development, 3-4 September 2018, Palermo.

Member of the organizing committee of the Workshop on "Advances in Tourism Research", 4-5 November, 2013, Palermo

Member of the organizing committee of the Workshop on "Tourist Mobility and Behavior" 4-5 March 2010, Palermo

Awards

2006, Grant, for a Visiting Research in USA at the University of Illinois at Urbana Champaign (IL)

2015, Second prize of Start-up competition for the realization of a Tourism Information System, University of Palermo

2017, Outstanding Reviewer for the Journal: Tourism Management

2017, Outstanding Reviewer for the Journal: Tourism Management Perspectives.

2018 Grant for Visiting Professor activities at the University of Sevilla

Conferences Presentations

Workshop on "Challenges for European City Tourism" – European Forum at the Hebrew University of Jerusalem, Jerusalem, Israel. 2-5 May, 2018 [INVITED SPEAKER]

Workshop on "The Future of the Hospitality and Tourism Sector" – Center for Enterprenuership and Spatial Economics, Jönköping, Sweden. 2016 [KEYNOTE INVITED SPEAKER]

"Cruise passengers' trajectories at destination". SIS 2015 Statistical Conference - Statistics and Demography: the Legacy of Corrado Gini, 9-11 September 2015, Treviso, Italy.

"Population geocoding for healthcare management. Technical challenges and quality issues". SIS 2015 Statistical Conference - Statistics and Demography: the Legacy of Corrado Gini, 9-11 September 2015, Treviso, Italy.

"Resident's Perceptions of Tourism Influence on Quality of Life: a Multilevel approach". SIS 2015 Statistical Conference - Statistics and Demography: the Legacy of Corrado Gini, 9-11 September 2015, Treviso, Italy.

"Tourism mobility tracking: methodological challenges from data collection to data analysis" Tourism Mobility Workshop 2015, TOMTE - Free University of Bozen-Bolzano - 6-10 October 2015, Bruneck, South Tyrol, Italy [KEYNOTE INVITED SPEAKER]

"Analysis of urban mobility of cruise passengers through GPS technologies" 12th EU-REAL Workshop "Regional and Urban Economic Modeling" Universidad Autónoma de Madrid 31th Aug/1st September 2015, Madrid.

"Competitiveness, Innovation and Markets: the Multifaceted Tourists' Role". CBTS 2013, Consumer Behavior in Tourism Symposium 2013, December 4-7, 2013, Bruneck/Brunico, South Tyrol, Italy.

"Sampling tourists: a time location sampling approach". Workshop on Advances in Tourism Research, Palermo, 4-5 November 2013

"Tourism statistics and unobserved tourism: empirical evidences in Sicily". DIEM - 1st Dubrovnik International Economic Meeting. Scientific Conference of Innovative Approaches to the Contemporary Economic Problems. Dubrovnik (Croatia) 27-29 September 2013.

"Analysing tourist mobility: current issues and future challenges". DIEM - 1st Dubrovnik International Economic Meeting. Scientific Conference of Innovative Approaches to the Contemporary Economic Problems. Dubrovnik (Croatia) 27-29 September 2013.

"Multidestination trip behaviour: empirical findings on incoming tourism in Sicily". 53rd ERSA Congress: Regional Integration: Europe, the Mediterranean and the World Economy. European Regional Science Association, Palermo 27-31 August 2013.

"Border surveys and Time Location Sampling (TLS): an application on incoming tourism in Sicily". SIS 2012, XLVI Riunione Scientifica, Roma, 20-22 June 2012.

"Un approccio GIS per la valutazione dell'equità di accesso alle cure per infarto acuto del miocardio in Sicilia" XXXVI Congresso annuale di epidemiologia "La Salute ai tempi della crisi" 29-31 ottobre 2012, Bari.

"Effetti della introduzione di indicatori di esito per valutazione della performance delle direzioni aziendali in Sicilia" XXXVI Congresso annuale di epidemiologia "La Salute ai tempi della crisi" 29-31 ottobre 2012, Bari.

"Multi-destination trip behaviours: methodological issues and the research design of a survey on incoming tourism in Sicily". MOVE 2011, 2° International Conference on the Measurement and Economic Analysis of Regional Tourism Bilbao (Spain), 27-29 October 2011

"Un-observed tourism: approaches and case studies in Sicily" TTRA 2011 European Chapter Conference, 11th to 13th April 2011 – Archamps (France)

"Tourism statistics for local planning: challenges and proposals". SIS 2011, La Statistica nei 150 anni dall'Unità d'Italia, Bologna, 8 - 10 June 2011

“Viaggi multi-destinazione e percorsi turistici in Sicilia”. Turisti per caso? Il turismo sul territorio: motivazioni e comportamenti di spesa, Catania 16-17 June 2011.

“The probabilities of selection of first and second stage units in the Time Location Sampling (TLS) design in the survey on incoming tourism in Sicily and Sardinia” Turisti per caso? Il turismo sul territorio: motivazioni e comportamenti di spesa, Catania 16-17 June 2011.

“Il turismo incoming in Sicilia: primi risultati” Mobilità del turismo Regionale Incoming. Aspetti socio-economici dei comportamenti e delle motivazioni, Palermo 4-5 November 2010

“Tourism activity in Sicily. Data quality, methodologies and some results on the accommodation sector”. Intermediate Workshop PRIN 2007: Mobilità e comportamento dei turisti: studi e ricerche a confronto. Palermo, 4-5 Marzo 2010.

“Multi-destination pleasure trip behaviors in Sicily” CBTS 2010, Consumer Behavior in Tourism Symposium 2010, December 1-4, 2010, Bruneck/Brunico, South Tyrol, Italy

“A general framework to measure seasonal variations in tourism: analysis of bed-occupancy in Sicilian hotels” EU-REAL Workshop 2009 (EUroean Regional Economics Applications Laboratory), 17-18 September 2009, Academy of Economic Studies of Bucharest (Romania)

“Economic Impact of Mega Sport Events: The Olympics in Chicago 2016” EU-REAL Workshop 2009 (EUroean Regional Economics Applications Laboratory), 17-18 September 2009, Academy of Economic Studies of Bucharest (Romania)

“Measuring seasonality: Performance of accommodation establishments in Sicily through the analysis of occupancy rates” ATE 2009 (Advances in Tourism Economics), 23-24 April 2009, Universidade Luisiada de Lisboa (Portugal)

“A general framework to measure seasonal variations in tourism” 11th IFCS International Conference 2009, March 13-18, 2009, Dresden (Germany)

“Regional Tourism Analysis: Methods and Applications to the accommodation sector in Sicily” EU-REAL Workshop 2008 (EUroean Regional Economics Applications Laboratory), 11-12 September 2008, Istanbul Technical University (Turkey)

“Seasonality in tourism: a critical review of its main measures” CLADAG 2008, Riunione congiunta della Société Francophone de Classification e del Classification and Data Analysis Group (CLADAG), Caserta, 11 - 13 June 2008

“Expenditure behaviour in official and hidden tourism in Small Italian Islands” Second International Conference on Tourism Economics, 18-20 May 2006, Universitat de les Illes Balears, Palma del Mallorca (Spain).

AMBITI DI RICERCA

Research interests are related with Tourism Statistics, Tourist and human Mobility, Seasonality, GIS applications in Social sciences, Categorical data analysis, Healthcare sciences.