

Francesco Santelli

RTDA (TENURE TRACK) · STATISTICA SOCIALE (SOCIAL STATISTICS) · 1 JUNE 2022 – 31 MAY 2025
University of Trieste, Department of Economics, Business, Mathematics and Statistics (DEAMS)
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Education

University of Naples Federico II - Department of Social Sciences

Naples (Italy)

PHD IN SOCIAL SCIENCES AND STATISTICS

February 2019

- Supervisors: Prof. Francesco Palumbo e Prof.ssa Enrica Morlicchio
- Thesis Title (written in the English language): Archetypal analysis for histogram-valued data; An application to the Italian school system in a benchmarking perspective
- Final dissertation evaluation: ottimo (A)

KU Leuven

Leuven, Belgium

VISITING AT DEPARTMENT OF SOCIAL SCIENCES, KU LEUVEN

September 2017 - July 2018

- QASS Master (Quantitative Analysis for Social Sciences) courses

University of Naples Federico II - Department of Political Sciences

Naples

MASTER DEGREE IN STATISTICS

February 2015

- Subject: Statistics for Customer Satisfaction
- Supervisors: Prof. Giancarlo Ragozini
- Grade: 110/110

University of Naples Federico II - Department of Political Sciences

Naples

BACHELOR DEGREE IN STATISTICS

March 2012

- Subject: Statistical modeling for Sports
- Supervisors: Prof. Silvia Poletti
- Grade: 105/110

Previous research positions

- 1 June 2022 **Ricercatore tempo determinato di tipo A - SECS-S/05 - Statistica Sociale (Tenure Track Social Statistics)**,
- now University of Trieste, Department of Economics, Business, Mathematics and Statistics (DEAMS)
- 1 May 2020 **Post-Doc - SECS-S/05 - Social Statistics. Project: PRIN – “Student mobility at university level: statistical models and network approaches”**, University of Naples Federico II - Department of Political Sciences. Principal Investigator: Prof. Giancarlo Ragozini
- 11 March 2019 - 12 March 2020 **Post-Doc - SECS-S/05 - Statistica Sociale. Project: “Life quality and well-being in Friuli Venezia Giulia region: an integrated approach between traditional statistical surveys and Big Data”**. Scientific partner: **SWG S.p.A.**, University of Trieste, Department of Political and Social Sciences. Principal investigator: Prof. Domenico De Stefano
- 20 April 2015 - 20 July 2015 **Research Scholarship – progetto Osservatorio Regionale Sistema Universitario Campano (ORSUC) – Bando Rif.BS.09/2015. Project: “Osservatorio Regionale Sistema Universitario Campano. Modelli statistici e metodi multivariati per l’analisi della student attraction, student satisfaction e student performances: ZIP models, CUB models e Latent Growth curve.”**, University of Naples Federico II - Department of Political Sciences. Principal Investigator: Prof. Giancarlo Ragozini

Research projects

Principal Investigator for **MicroGrants** - FINANZIAMENTO DI PROGETTI DI RICERCA FINANZIABILI A VALERE SULLA MISURA “MICROGRANTS LR 2/2011 - Finanziamenti al sistema universitario regionale, articolo 4, comma 2.a. Project: *Gender and territorial divide in scientific collaboration for Italian scholars*, at University of Trieste, granted with €3.730, from March 2024

Role: Member, for PRIN project: Methods for the analysis of scientific collaboration networks, SECS-S/05 - Statistica Sociale.

University of Trieste, principal investigators: Domenico De Stefano, Viviana Amati and Rosario D'Agata. From 1 June 2024.

Role: Member, SECS-S/05 - Statistica Sociale. Progetto: PRIN – “Student mobility at university level: statistical models and network approaches”, University of Naples Federico II - Department of Political Sciences. Principal Investigator: Prof. Giancarlo Ragozini, two years: 1 May 2020 - 1 May 2022

Role: Member, SECS-S/05 - Statistica Sociale. “Life quality and well-being in Friuli Venezia Giulia region: an integrated approach between traditional statistical surveys and Big Data”. Scientific partner: SWG S.p.A., one year :11 March 2019 - 12 March 2020

Role: official bio-statistician in the clinical protocol: *COVID – 19 impact on Gastro-intestinal Cancer Treatment: A multicenter Italian retrospective study on COVID-19 pandemic condition and advanced Gastro-Intestinal Cancer. Are in Italy increased the new diagnosis of GI cancer in the advanced stage in the 2020 compared with 2019, as a consequence of COVID-19?* from December 2020.

Role: member as junior researcher, progetto Osservatorio Regionale Sistema Universitario Campano (ORSUC) – Bando Rif.BS.09/2015. Project: “Osservatorio Regionale Sistema Universitario Campano. Modelli statistici e metodi multivariati per l'analisi della student attraction, student satisfaction e student performances: ZIP models, CUB models e Latent Growth curve.” University of Naples Federico II - Department of Political Sciences. Principal Investigator: Prof. Giancarlo Ragozini. 20 April 2015 - 20 July 2015

Scientific Publications

PUBLISHED

Santelli, F., De Stefano, D., D'Agata, R.: “Community detection and semantic analysis on Twitter. The case of ‘no green pass’ and ‘no vax’ movement in Italy” in G. Giordano, M. Misuraca (eds.) (2024). *New Frontiers in Textual Data Analysis*, Springer, Cham - ISBN: 978-3-031-55916-7

Usala, Cristian; Primerano, Ilaria; Santelli, Francesco; Ragozini, Giancarlo. The more the better? How degree programs' variety affects university students' churn risk. 2024. *Socio-Economic Planning Sciences*, 94, 101926.

Dorma, M. P. F., Giuliani, G., Guerra, F., Santelli, F., Esposito, A., De Pastena, M., ... Maggioni, D. (2024). The pan-COVID-AGICT study. The impact of COVID-19 pandemic on surgically treated pancreatic cancer patients. A multicentric Italian study. *Surgical Oncology*, 54, 102081.

Santelli, Francesco; Gentile, Teresa; Bizjak, Davide; Fattori, Lorenzo; The COVID-19 pandemic and academic E-learning: Italian students and instructors' perceptions, “Book of the Short Papers: SIS 2023-Statistical Learning, Sustainability and Impact Evaluation”,527-531,2023,Pearson

Santelli, Francesco; Policastro, Valeria; Ragozini, Giancarlo; Community detection analysis with robin on hashtag network,”Book of the Short Papers: SIS 2023-Statistical Learning, Sustainability and Impact Evaluation”,468-473,2023,Pearson

Di Credico, Gioia; Di Caterina, Claudia; Santelli, Francesco; ,Streamlined Variational Inference for Modeling Italian Educational Data,Proceedings of the Statistics and Data Science Conference,102-107,2023,PaviaUniversityPress

Santelli, Francesco; Di Credico, Gioia; Di Caterina, Claudia; High School Proficiency of Future University Students: An Analysis based on INVALSI Data,”Book of Short papers 11th International Conference IES 2023 Statistical Methods for Evaluation and Quality: Techniques, Technologies and Trends (T3)”,560-565,2023,Edizioni “Il Viandante”

Palazzo, Lucio; Primerano, Ilaria; Rondinelli, Roberto; Santelli, Francesco; ,”EUSN 2021. Book of Abstracts, Fifth European Conference on Social Networks”. **Curatela**. 2022, University of Naples Federico II

Primerano, I., Santelli, F., Usala, C. (2022). A Multiplex Network Approach for Analyzing University Students' Mobility Flows. In: Salvati, N., Perna, C., Marchetti, S., Chambers, R. (eds) *Studies in Theoretical and Applied Statistics* . SIS 2021. Springer Proceedings in Mathematics & Statistics, vol 406, pp. 75-89. Springer, Cham. https://doi.org/10.1007/978-3-031-16609-9_6

Giuliani, Giuseppe; Guerra, Francesco; Messinese, Simona; Santelli, Francesco; Salvischiani, Lucia; Esposito, Sofia; Ferraro, Luca; Esposito, Alessandro; De Pastena, Matteo; Rega, Daniela; ,The COVID-AGICT study: COVID–19 and advanced gastro-intestinal cancer surgical treatment. A multicentric Italian study on the SARS-CoV-2 pandemic impact on gastro-intestinal cancers surgical treatment during the 2020. Analysis of perioperative and short-term oncological outcomes, *Surgical oncology*, 47, 101907, 2023, Elsevier

- Tasso, M; Bertolini, N; Mostacciolo, E; Passavanti, S; Luppino, JME; Del Puente, A; Peluso, R; Santelli, F; Scarpa, R; Costa, L; ,Effectiveness and safety profile of tofacitinib and baricitinib in rheumatoid arthritis patients: results from a 24-month real-life prospective study in Southern-Italy,Reumatismo,74,3,2022
- Palazzo, Lucio; Santelli, Francesco; Ragozini, Giancarlo; ,Il futuro degli studenti: dal questionario all'analisi statistica dei dati testuali,PLS Virtual Summer School for Students PVS3, 101-112,2021,Giannini Editore
- D'agata, Rosario; De Stefano, Domenico; Santelli, Francesco; The 'words' of no green pass communities on twitter. A two-mode semantic network analysis,JADT 2022 PROCEEDINGS OF THE 16TH INTERNATIONAL CONFERENCE ON STATISTICAL ANALYSIS OF TEXTUAL DATA,1,1,279-285,2022,Edizioni Erranti Editoria Indipendente
- Santelli, Francesco; De Stefano, Domenico; ,Un approccio integrato tra Sentiment Analysis e Social Network Analysis nell'analisi della diffusione delle opinioni su Twitter,RAGIONI COMUNI,1,211-229,2022,EUT-Edizioni Università di Trieste
- Primerano, Ilaria; Santelli, F; Usala, Cristian; Discovering archetypal universities in higher education mobility flows in Italy,IES 2022. Innovation & Society 5.0: Statistical and Economic Methodologies for Quality Assessment. Book of short papers,121-126,2022,PKE
- Santelli, F., Ragozini, G. & Vitale, M.P. Assessing the effects of local contexts on the mobility choices of university students in Campania region in Italy. Genus 78, 5 (2022). <https://doi.org/10.1186/s41118-021-00144-4>. Springer International Publishing Cham
- Cesaro, Arturo; Gragnano, Felice; Calabrò, Paolo; Moscarella, Elisabetta; Santelli, Francesco; Fimiani, Fabio; Patti, Giuseppe; Cavallari, Ilaria; Antonucci, Emilia; Cirillo, Plinio; 760 Prevalence of eligibility criteria for prolonged dual antithrombotic therapy in patients with PEGASUS and COMPASS phenotypes: insights from the start-antiplatelet registry, European Heart Journal Supplements, 23, Supplement, suab140. 013,2021, Oxford University Press
- Carbone, Andreina; Santelli, Francesco; Bottino, Roberta; Attena, Emilio; Mazzone, Carmine; Parisi, Valentina; D'Andrea, Antonello; Golino, Paolo; Nigro, Gerardo; Russo, Vincenzo; Prevalence and clinical predictors of inappropriate direct oral anticoagulant dosage in octogenarians with atrial fibrillation,European Journal of Clinical Pharmacology,78,5,879-886,2022,Springer Berlin Heidelberg Berlin/Heidelberg
- Cesaro, Arturo; Gragnano, Felice; Calabro, Paolo; Moscarella, Elisabetta; Santelli, Francesco; Fimiani, Fabio; Patti, Giuseppe; Cavallari, Ilaria; Antonucci, Emilia; Cirillo, Plinio; ,Prevalence and clinical implications of eligibility criteria for prolonged dual antithrombotic therapy in patients with PEGASUS and COMPASS phenotypes: Insights from the START-ANTIPLATELET registry,International Journal of Cardiology,345,,7-13,2021,Elsevier
- Primerano, Ilaria; Santelli, Francesco; Usala, Cristian; A multiplex network approach to study Italian Students' Mobility,Book of short Papers SIS,2021, 473-478,2021
- De Stefano, Domenico; Santelli, Francesco; ,A proposal for an integrated approach between sentiment analysis and social network analysis,In Convegno della Società Italiana di Statistica (SIS): Smart Statistics for Smart Applications,ISBN: 9788891915108,247-253,2019,Pearson
- Carbone, Francesca; Grasso, Arianna; Santelli, Francesco; Populism and Negative Emotions within the Italian Politics: A Twitter-based Analysis,Journées internationales d'Analyse statistique des Données Textuelles (JADT 2020),2020
- Gragnano, Felice; Santelli, Francesco; Cesaro, Arturo; Moscarella, Elisabetta; Fimiani, Fabio; Isernia, Marika; Di Maio, Dario; Conte, Matteo; Vergara, Andrea; Coletta, Silvio; ,Clinical implications of high bleeding risk factors in female vs. male patients with acute coronary syndromes: data from the start-antiplatelet registry, EUROPEAN HEART JOURNAL SUPPLEMENTS,22, N, N107-N108,2020, "OXFORD UNIV PRESS GREAT CLARENDON ST, OXFORD OX2 6DP, ENGLAND"
- Santelli, Francesco; Campania university students' motivations to migrate,"Fuori Luogo. Rivista di Sociologia del Territorio, Turismo, Tecnologia",5,1,71-85,2019,
- Santelli, Francesco; Scolorato, Concetta; Ragozini, Giancarlo; On the determinants of students' mobility in an Interregional perspective: A focus on Campania Region. Article,31,1,119-142,2019, Italian Journal of Applied Statistics
- Carbone, Andreina; Lieu, Audrey; Mouhat, Basile; Santelli, Francesco; Philip, Mary; Bohbot, Yohann; Tessonier, Laetitia; Peugnet, Fanny; d'Andrea, Antonello; Cammilleri, Serge; ,Spondylodiscitis complicating infective endocarditis,Heart, 106, 24, 1914-1918 ,2020, BMJ Publishing Group Ltd and British Cardiovascular Society
- Carbone, A; Mouhat, B; Philip, M; Gouriet, F; Cammilleri, S; Tessonier, L; Casalta, JP; Riberi, A; Bohbot, Yohann; Santelli, F; Spondylitis: A frequent and severe complication of infective endocarditis,Arch Cardiovasc Dis Suppl,12,82,2020,
- Mouhat, B; Carbone, A; Philip, M; Gouriet, F; Cammilleri, S; Tessonier, L; Casalta, JP; Riberi, A; Bohbot, Y; Santelli, F; Mycotic aneurysm and infective endocarditis: Data from a French bi-center study of 2483 patients,Archives of Cardiovascular Diseases Supplements,12,1,81-82,2020,Elsevier

- Santelli, F., Ragozini, G., Musella, M. (2020). What Volunteers Do? A Textual Analysis of Voluntary Activities in the Italian Context. In: Iezzi, D.F., Mayaffre, D., Misuraca, M. (eds) Text Analytics. JADT 2018. Studies in Classification, Data Analysis, and Knowledge Organization. Springer, Cham. https://doi.org/10.1007/978-3-030-52680-1_21
- Carbone, A; Mouhat, B; Lieu, A; Santelli, F; Bohbot, Y; Tessonier, L; D'Andrea, A; Cammilleri, S; Gouriet, F; Camoin, L; P3666 Spondylitis: a frequent and severe complication of infective endocarditis, *European Heart Journal*, 40, Supplement 1, ehz745. 0521, 2019, Oxford University Press
- De Stefano, Domenico; Santelli, Francesco; ,Combining Sentiment Analysis and Social Network Analysis to explore Twitter opinion spreading, Conference: 2019 28th International Conference on Computer Communication and Networks (ICCCN), 1-6, 2019, doi: 10.1109/ICCCN.2019.8846911
- Santelli, Francesco; Palumbo, Francesco; Ragozini, Giancarlo; ,Statistical Archetypal Analysis for Cognitive Categorization” *New Statistical Developments in Data Science: SIS 2017*, Florence, Italy, June 28-30”, 77-89, 2019, Springer International Publishing
- Ragozini, Giancarlo; Santelli, Francesco; Scolorato, Concetta; ,Le determinanti della mobilità degli studenti universitari campani,” *Atti del Convegno (proceedings) del Tavolo di ricerca 4*, Nuovi servizi nell’ambito del progetto “Osservatorio Regionale Sistema Universitario Campano”, 230-243, 2016, Franco Angeli
- Girolimetto, Nicolò; Costa, Luisa; Mancarella, Luana; Addimanda, Olga; Bottiglieri, Paolo; Santelli, Francesco; Meliconi, Riccardo; Peluso, Rosario; Del Puente, Antonio; Macchioni, Pierluigi; Symptomatic psoriatic dactylitis is associated with ultrasound determined extra-synovial inflammatory features and shorter disease duration, *Clinical Rheumatology*, 38, 903-911, 2019, Springer London
- Santelli, Francesco; Ragozini, Giancarlo; Musella, Marco; ,What volunteers do? A textual analysis of voluntary activities in the Italian context, *JADT’ 2018: proceedings of the 14th International Conference on Statistical Analysis of Textual Data*, 2, 692-699, 2018, “Universitalia, Rome”
- Rey, Andrea; Santelli, Francesco; The relationship between financial ratios and sporting performance in Italy’s serie A, *International Journal of Business and Management*, 12, 12, 53-63, 2017, Canadian Center of Science and Education

Grants

2023-2024	Short Visit - Erasmus+ teaching staff 2023-24 –First Opening , University of Trieste, Department of Economics, Business, Mathematics and Statistics (DEAMS)	<i>International School for Social and Business Studies, Celje, Slovenia</i>
March 2024	Winner of MicroGrants - FINANZIAMENTO DI PROGETTI DI RICERCA FINANZIABILI A VALERE SULLA MISURA “MICROGRANTS LR 2/2011 - Finanziamenti al sistema universitario regionale, articolo 4, comma 2.a , University of Trieste	€3.730

Workshops - Seminars - Conferences activities

CONFERENCES AS INVITED SPEAKER

- March 2024 25-27. *Co-occurrence network to explore research topics evolution among Italian statisticians*. Napoli, DSSR (Data Science and Social Research)
- March 2024 25-27. *AI revolution in healthcare and medicine: transformative insights through natural language processing*. Napoli, DSSR (Data Science and Social Research)
- August 2023 27-30. *Collaboration networks: methodological issues and updated empirical evidence on Italian statisticians*. Chieti-Pescara, IES (Statistical Methods for Evaluation and Quality: Techniques, Technologies and Trends)
- January 2023 *Mobilità e contesti locali: evidenze dalla Campania*. Percorsi di mobilità studentesca universitaria in Italia. Dati a confronto Università degli studi di Salerno
- July 2022 *Assessing the effects of local contexts on the mobility choices of university students in Campania region in Italy*. Workshop Intermedio PRIN 2017 su Students’ Mobility, Università degli studi di Palermo

June 2021 21-25. *A multiplex network approach to study Italian Students' Mobility*. 50TH MEETING OF THE ITALIAN STATISTICAL SOCIETY (SIS 2021)

June 2019 20-23. *A proposal for an integrated approach between sentiment analysis and social network analysis* 48TH MEETING OF THE ITALIAN STATISTICAL SOCIETY (SIS 2019)

INVITED SEMINARS AND WORKSHOPS

May 2024, 30. *"Analysis of Social and Economic Networks"*, International School of Business and Management, Celje, Slovenia

May 2023, 19. *Workshop sull'utilizzo di R per analisi statistiche di dati da social: sentiment analysis*. Università degli studi di Napoli Federico II

December 2022, 15. *Utilizzo dati social in un approccio di Social Network Analysis*. Università per stranieri di Perugia

December 2022, 14. *Da Twitter al dato: web scraping e analisi statistica*". Università degli studi di Trieste

November 2022, 17. *Digital media and social network analysis. Twitter e il dibattito sulle elezioni politiche in Italia 2022*. Università degli studi di Salerno

ORGANIZATION OF CONFERENCE SESSION/WORKSHOPS

June 2024 24-30. *Network clustering and validation: methods and applications* SUNBELT 2024, Edinburgh

May 2023 2-3 *Young Ars session*. ARS'23 Ninth International Workshop on Social Network Analysis, Ischia

May 2023 2-3 *Young Ars session - membro giuria Young Ars awards*. ARS'23 Ninth International Workshop on Social Network Analysis, Ischia

May 2022 25-27 *Statistical Modelling for Risk Evaluation in social and economic sciences*. ICRA9, 9th international conference on risk analysis, Perugia

September 2021 7-10 *Community detection in attributed network*. EUSN2021, 5th European Conference on Social Networks, Napoli

LOCAL ORGANIZER COMMITTEE

May 2023 2-3 - Membro comitato organizzatore locale. ARS'23 Ninth International Workshop on Social Network Analysis, Ischia

May - September 2022 - Membro del COST FinAI Datathon Program Committee - Woman in Fintech Datathon in women in Fintech Conference, Napoli

September 2021 7-10 - Membro comitato organizzatore locale - EUSN2021, 5th European Conference on Social Networks, Napoli

September 2021 7-10 - Editor book of abstracts - EUSN2021, 5th European Conference on Social Networks, Napoli

Teaching activities _____

2023-2024	Advanced Network Analysis , Laboratorio R e tutor lavori di gruppo - Applied Data Science and Artificial Intelligence (ADSAI) -PhD program	University of Trieste
2024 - now	Social Indicators for Sustainability, 6ECTS (english language) , RTDA (DEAMS)	University of Trieste
2022 - now	Demografia (Demography), 9ECTS , Course responsible - RTDA (DEAMS)	University of Trieste
2022 - now	Statistics, 9ECTS (english language) , Course responsible - RTDA (DEAMS)	University of Trieste
2022 - now	Statistica, 9ECTS , RTDA (DEAMS)	University of Trieste
2020 - now (4 years)	Calcolo delle probabilità (Probability calculus), 9 CFU , External professor - Faculty of economics	Online University «Universitas Mercatorum»
2020 - 2021	Social Media, 9 ECTS , Contract Professor - Statistics Department	University of Padova
2019 - 2022 (3 years)	Social Statistics, 6 ECTS, Department of Humanities , Course responsible - external contract	University of Trieste
2022 - 2023 (2 years)	Statistica ed Excel: analisi e report (Statistics and Excel: theory and lab) , Course responsible - external contract	ICE - Agenzia. Italian Ministerial Agency for Trade.
2021 - 2022 (2 years)	Introduzione alla statistica - Statistics, Introduction , External Contract	EUTROPIA formazione
2021 - 2022 (2 years)	Statistica, tutor , Contract tutor - DISPES Department	University of Trieste

Editorial board

January 2019 - now: member of Editorial Board for the Journal "Fuori Luogo Rivista di Sociologia del Territorio, Turismo, Tecnologia", "Journal of Territory, Tourism and Technology Sociology"

September 2021 7-10 - Editor of book of abstracts - EUSN2021, 5th European Conference on Social Networks, Napoli

Extra activities

13 and 16 February 2023 - 8 hours of lectures during PNRR - topics: economic sustainability. Target: high school students. University of Trieste, Department of Economics, Business, Mathematics and Statistics (DEAMS)

October 2019 - As a research fellow, in collaboration with the corporate partner SWG, dissemination through press and newspaper of results obtained through social media analysis for the sporting event *Barcolana 2019*. Outcome: newspaper outcome on daily newspaper "Il Piccolo".

October 2015 - October 2016 - October 2017 (3 distinct events), Scientific disseminator for events of **FUTURO REMOTO**, Stand organized by ISTAT (Italian Official Statistical Institution) – Campania seat, e Department of Political Sciences, University of Naples Federico II. Role: Internship.

Reviewers: most important journals

Statistical Methods and Applications (SMA)

Fuori Luogo: Rivista di Sociologia del Territorio, Turismo, Tecnologia

Statistica Applicata (Italian Journal of Applied Statistics)

Frontiers in Psychology

Social Indicators Research: An International and Interdisciplinary Journal for Quality-of-Life Measurement

Schools

ORGANIZER

October 2022 3-5. Organizing Secretariat and group working projects tutor for *Summer school in Social Statistics II Edition*. Two modules: *Statistical analyses for health-related data* and *Social media analytics and network analysis tools*. Anacapri, Capri Island, Italy.

February 2020 4-7. Organizing Secretariat and group working projects tutor for *Scuola SIS in Metodi Statistici per l'analisi dei dati relazionali*". Trieste, Italy.

PARTICIPANTS

September 2024 19-21. *Summer school in Social Statistics IIII Edition*. Monteriggioni. Siena, Italy.

September 2023 25-27. *Summer school in Social Statistics III Edition*. Petralia Sottana. Sicily, Italy.

June 2023 20. *Giornata di formazione sugli indicatori (Day about statistical and social indicators) 20 giugno 2023*. For SIS 2023. Ancona. Italy.

September 2021 1-3. *Summer school in Social Statistics I Edition*. Bressanone. Italy.

June 2016 *Sis School 2016 "Social and Statistical Methods for analyses of networks and for Community Detection"*