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Education

- 2000 **Ph.D. in Applied Statistics**, Università degli Studi di Palermo.
- 1997 **Postgraduate Diploma in Statistics & Operational Research**, Department of Mathematics University of Essex (UK).
- 1993/94 a.y. **M.Sc. in Political Sciences**, Università degli Studi di Cagliari.

Employment History

- 2014 – ···· **Full Professor in Social Statistics**, University of Cagliari.
- 2006 – 2014 **Associate Professor in Social Statistics**, University of Cagliari.
- 2002 – 2006 **Research Assistant in Social Statistics**, University of Cagliari.
- 2000 – 2002 **Researcher**, National Statistical Institute, Rome.

Academic Positions

- 2018 – 2024 **Head of the Department of Social and Political Sciences**, University of Cagliari.
Member of the Academic Senate, University of Cagliari.
- 2021 – 2023 **Member of the National Scientific Qualification Committee for Demography and Social Statistics**, Italian Ministry of University and Research.
- 2007 – 2015 **Member of the Evaluation Committee**, University of Cagliari.

Memberships

Scientific Societies

- 2017 – 2021 **AISP - Italian Association for Population Studies**, Member of the Scientific Board.
- 2015 – ···· **AISP - Italian Association for Population Studies**, Member.
- 2001 – ···· **SIS - Italian Statistical Society**, Member.

Research Centres

- 2009 – ···· **CIRD - Centro Interdipartimentale di Ricerche Didattiche**, Universities of Cagliari and Sassari.
- 2003 – 2012 **CRENoS - Centro Ricerche Economiche Nord-Sud**, Universities of Cagliari and Sassari.

Teaching

Ph.D. Programs

- 2023 –
- **National PhD Consortium in Life Course Research**, *University of Florence*.
 - **PhD in Research & Social Innovation**, *University of Cagliari*.

Course Ownership

- **Social Statistics (STAT-03/B)**, for *Journalism & Web Communication* Master Degree Program.
- **Statistical Methods for the Evaluation (STAT-03/B)**, for *Science of Administration* Master Degree Program.
- **Data Analysis Lab (STAT-03/B)**, for *Social Innovation and Communication* Master Degree Program.

Past Course Ownership

- **Statistics (STAT-01/A)**.
- **Economic Statistics (STAT-02/A)**.
- **Socioeconomic Indicators (STAT-03/B)**.
- **Social Statistics (STAT-03/B)**.

Overview of Primary Research Areas

- My primary research centres on quantitative studies applied to the education system. I explore various research themes within this scope, including school-to-university transitions, student mobility patterns, factors influencing university choices, school and academic achievement, transitions to the job market, cultural capital, and dropout. Additionally, my research extends to evaluative studies, specifically focusing on developing “net” (adjusted) composite indicators for a nuanced assessment of educational institutions’ performance. I specialise in employing diverse methodologies in my research endeavours. These methodologies encompass models designed for measuring latent variables, applying mixed-effects models, utilising Item Response Theory models, implementing Quantile Regression models, and using Boolean Regression Analysis.

Another area of research involves measuring the quality of university teaching based on students’ teaching evaluations. Within this context, I have addressed the methodological challenge of handling missing observations through multiple imputation analysis methods, particularly those applied to Likert-type scales for measuring latent attributes.

Other research areas not directly related to education studies pertain to methodological aspects regarding the construction of composite indicators applied to alternative and corrective measures of GDP. Additionally, I have applied Quantile Regression methods for censored data in the study of the duration of marital unions and utilised Segmented Regression for discrete data in the investigation of birth intervals.

As a researcher at the Department of Economic Statistics of the National Institute of Statistics, I contributed to constructing the Statistical Archive of Active Enterprises. Within this context, my work focused on determining the operational status of enterprises through the adaptation of probabilistic models.

Research Projects










- 2024 – ····  **PNRR, *At-risk Youth in an Ageing Society: The Educational Challenge***, Cascade Call Partenariat *Age-It*. Head of the the Research Unit of Cagliari.
- 2023 – ····  **PRIN-National Research Project, *From high school to university: Assessing peers' influence in educational inequalities and performances***, Member of the Research Unit of Cagliari (*P.I. Prof. Isabella Sulis*).
- 2021 – 2022  **FISRCovid19-National Research Project, *Sustainable and Inclusive Communication in Emergency Cases at Universities***, Member of the Research Unit (*P.I. Prof. Alessandro Lovari*).
- 2019 – 2023  **PRIN-National Research Project, *From high school to job placement: micro-data life course analysis of university student mobility and its impact on the Italian North-South divide***, Head of the Research Unit of Cagliari (*P.I. Prof. Massimo Attanasio*).
- 2018 – 2020  **LR7/2007, *The Experience of School-Work Alternation in Sardinia: Institutions, Territories, and Social Actors***, Member of the Research Unit.
-  **LR7/2007, *The Digital Revolution in Sardinian Schools: Structural Features of the System, Professional, Organisational, and Instructional Cultures in the Face of the Innovation Challenge***, Member of the Research Unit.
- 2008 – 2010  **PRIN-National Research Project, *Criteria and Methods for Measuring the Reputation of a University***, Member of the Research Unit of Milan (*P.I. Prof. Luigi Fabbri*).
- 2006 – 2008  **PRIN-National Research Project, *Evaluation of University Teaching: What Measures for What Objectives?***, Member of the Research Unit of Palermo (*P.I. Prof. Vincenza Capursi*).
- 2002 – 2004  **PRIN-National Research Project, *University-to-Work Transitions: Multidimensional Analysis of Determinants and Evaluation of the Phenomenon of Human Capital Exportation***, Member of the Research Unit of Cagliari (*P.I. Prof. Luigi Fabbri*).

Scientific Journals

Editorial Work

- 2017 – 2021  **Associated Editor, *Statistical Methods & Applications***.

Reviewer

-  *British Educational Research Journal*.
-  *PLOS One*.
-  *Genus*.
-  *Social Indicator Research*.
-  *Statistical Methods & Applications*.
-  *Quality & Quantity*.
-  *Procedia Economic & Finance*.
-  *Journal of Applied Statistics*.
-  *Journal of the Royal Statistics Society*.

Research Publications

Journal Articles

- 1 **M. Porcu** and M. Pitzalis, "Digital capital and cultural capital in education: Unravelling intersections and distinctions that shape social differentiation," *British Educational Research Journal*, 2024. [DOI: 10.1002/berj.4050](#).
- 2 I. Sulis, B. Barbieri, L. Salaris, G. Melis, and **M. Porcu**, "Gender bias in university student mobility: A cohort analysis in Italy," *International Journal of Manpower*, vol. 45, no. 5, pp. 1076–1092, 2024. [DOI: 10.1108/IJM-02-2023-0101](#).
- 3 C. Usala, I. Sulis, L. Salaris, N. Tedesco, **M. Porcu**, and B. Barbieri, "Disentangling the secondary school effects in the assessment of university inefficiencies," *Studies in Higher Education*, 2024. [DOI: 10.1080/03075079.2024.2345188](#).
- 4 **M. Porcu**, I. Sulis, C. Usala, and F. Giambona, "Will the gap ever be bridged? A cross-national comparison of non-native students' educational achievements," *GENUS*, vol. 79, no. 3, pp. 1–26, 2023. [DOI: 10.1186/s41118-023-00199-5](#).
- 5 C. Usala, **M. Porcu**, and I. Sulis, "The high school effect on students' mobility choices," *Statistical Methods & Applications*, vol. 32, pp. 1259–1293, 2023. [DOI: 10.1007/s10260-023-00694-1](#).
- 6 F. Giambona, **M. Porcu**, and I. Sulis, "Does education protect families' well-being in times of crisis? Measurement issues and empirical findings from IT-SILC data," *Statistical Methods & Applications*, vol. 32, pp. 299–328, 2022. [DOI: 10.1007/s10260-022-00644-3](#).
- 7 S. Columbu, **M. Porcu**, I. Primerano, I. Sulis, and M. P. Vitale, "Analysing the determinants of Italian university student mobility pathways," *GENUS*, vol. 77, 2021. [DOI: 10.1186/s41118-021-00146-2](#).
- 8 S. Columbu, **M. Porcu**, I. Primerano, I. Sulis, and M. P. Vitale, "Geography of Italian student mobility: A network analysis approach," *Socio-Economic Planning Sciences*, vol. 73, 2021. [DOI: 10.1016/j.seps.2020.100918](#).
- 9 S. Columbu, **M. Porcu**, and I. Sulis, "University choice and the attractiveness of the study area: Insights on the differences amongst degree programmes in Italy based on generalised mixed-effect models," *Socio-Economic Planning Sciences*, vol. 74, pp. 1–18, 2021. [DOI: 10.1016/j.seps.2020.100926](#).
- 10 I. Sulis, F. Giambona, and **M. Porcu**, "Adjusted indicators of quality and equity for monitoring the education systems over time. Insights on EU15 countries from PISA surveys," *Socio-Economic Planning Sciences*, vol. 69, p. 16, 2020. [DOI: 10.1016/j.seps.2019.05.005](#).
- 11 B. Barbieri, I. Sulis, **M. Porcu**, and M. D. Toland, "Italian Teachers' Well-Being Within the High School context: Evidence From a Large Scale Survey," *Frontiers in Psychology*, vol. 10, 2019. [DOI: 10.3389/fpsyg.2019.01926](#).
- 12 I. Sulis, **M. Porcu**, and V. Capursi, "On the Use of Student Evaluation of Teaching: A Longitudinal Analysis Combining Measurement Issues and Implications of the Exercise," *Social Indicators Research*, vol. 99, 2019.
- 13 F. Giambona and **M. Porcu**, "School size and students' achievement. Empirical evidences from PISA survey data," *Socio-Economic Planning Sciences*, vol. 64, pp. 66–77, 2018. [DOI: 10.1016/j.seps.2017.12.007](#).
- 14 F. Giambona, **M. Porcu**, and I. Sulis, "Students mobility: Assessing the determinants of attractiveness across competing territorial areas," *Social Indicators Research*, vol. 133, pp. 1105–1132, 2017. [DOI: 10.1007/s11205-016-1407-1](#).
- 15 M. Pitzalis and **M. Porcu**, "Cultural Capital and educational strategies. Shaping boundaries between groups of students with homologous cultural behaviours," *British Journal of Sociology of Education*, vol. 38, pp. 956–974, 2017. [DOI: 10.1080/01425692.2016.1205968](#).
- 16 **M. Porcu** and F. Giambona, "Introduction to Latent Class Analysis With Applications," *The Journal of Early Adolescence*, vol. 37, pp. 129–158, 2017. [DOI: 10.1177/0272431616648452](#).

- 17 I. Sulis and **M. Porcu**, “Handling missing data in item response theory. Assessing the accuracy of a multiple imputation procedure based on Latent Class Analysis,” *Journal of Classification*, vol. 34, pp. 327–359, 2017. [DOI: 10.1007/s00357-017-9220-3](https://doi.org/10.1007/s00357-017-9220-3).
- 18 M. D. Toland, I. Sulis, F. Giambona, **M. Porcu**, and J. M. Campbell, “Introduction to bifactor polytomous item response theory analysis,” *Journal of School Psychology*, vol. 60, pp. 41–63, 2017. [DOI: 10.1016/j.jsp.2016.11.001](https://doi.org/10.1016/j.jsp.2016.11.001).
- 19 F. Giambona, M. Pitzalis, **M. Porcu**, and I. Sulis, “Measuring Digital Teaching Innovation Using Item Response Theory Models,” *Italian Journal of Sociology of Education*, vol. 8, 2016. [DOI: 10.14658/pupj-ijse-2016-2-5](https://doi.org/10.14658/pupj-ijse-2016-2-5).
- 20 F. Giambona and **M. Porcu**, “Student background determinants of reading achievement in Italy. A quantile regression analysis,” *International Journal of Educational Development*, vol. 44, pp. 95–107, 2015.
- 21 M. Pitzalis and **M. Porcu**, “Passaggio a Nord. Come si ristruttura il campo universitario italiano?” *Scuola Democratica*, pp. 711–722, 2015.
- 22 I. Sulis and **M. Porcu**, “Assessing divergences in mathematics and reading achievement in Italian Primary Schools: A proposal of adjusted indicators of school effectiveness,” *Social Indicators Research*, vol. 122, pp. 607–634, 2015. [DOI: 10.1007/s11205-014-0701-z](https://doi.org/10.1007/s11205-014-0701-z).
- 23 F. Giambona, **M. Porcu**, and I. Sulis, “Does education affect individual well-being? Some Italian empirical evidences,” *Open Journal of Statistics*, pp. 319–329, 2014. [DOI: 10.4236/ojs.2014.45032](https://doi.org/10.4236/ojs.2014.45032).
- 24 I. Sulis and **M. Porcu**, “Comparing degree programs from students’ assessments: A LCRA-based adjusted composite indicator,” *Statistical Methods & Applications*, vol. 21, pp. 193–209, 2012. [DOI: 10.1007/s10260-011-0185-9](https://doi.org/10.1007/s10260-011-0185-9).
- 25 V. M. Muggeo, M. Attanasio, and **M. Porcu**, “A segmented regression model for event history data: An application to the fertility patterns in Italy,” *Journal of Applied Statistics*, vol. 36, pp. 973–988, 2009. [DOI: 10.1080/02664760802552994](https://doi.org/10.1080/02664760802552994).
- 26 **M. Porcu**, G. Garofalo, and C. Viviano, “Lo Stato di Attività delle Imprese. L’impiego delle fonti amministrative per l’adattamento di un modello probabilistico,” *Rivista di Statistica Ufficiale*, vol. 3, pp. 5–23, 2003.
- 27 **M. Porcu**, M. Lamartina, P. Liberti, *et al.*, “Relazione tra lo spessore detrusoriale ecograficamente determinato e grado di ostruzione,” *Urologia*, vol. 67, no. 3, pp. 210–212, 2000.
- 28 **M. Porcu**, C. Pavone, E. Caldarera, *et al.*, “Correlation between Chronic Prostatitis Syndrome and Pelvic Venous Disease – a survey of 2,544 Urologic Outpatients,” *European Urology*, vol. 37 N. 4, no. 4, pp. 400–403, 2000.

Book Chapters

- 1 M. Attanasio and **M. Porcu**, “I grandi numeri dell’istruzione secondaria e terziaria in Italia,” in *Rapporto sulla popolazione. L’Italia e le sfide della demografia*, F. Billari and C. Tomassini, Eds. Bologna: Il Mulino, 2021, pp. 161–182.
- 2 **M. Porcu**, I. Sulis, A. Carta, and C. U. Usala, “La mobilità degli studenti e gli strumenti per il diritto allo studio universitario,” in *Verso nord. Le nuove e vecchie rotte delle migrazioni universitarie*, M. Attanasio, O. Giambalvo, **M. Porcu**, and G. Ragozini, Eds. Milano: Franco Angeli, 2020, pp. 103–119.
- 3 M. Pitzalis and **M. Porcu**, “Tante Italie. Anche a scuola,” in *Rapporto sulla popolazione. L’istruzione in Italia*, G. De Santis, E. Pirani, and **M. Porcu**, Eds. Bologna: Il Mulino, 2019, pp. 123–139.
- 4 **M. Porcu** and I. Sulis, “The credit accumulation process to assess the performances of degree programs: An adjusted indicator based on the result of entrance tests,” in *Statistical Models for Data Analysis*, P. Giudici, S. Ingrassia, and M. Vichi, Eds. Cham: Springer International Publishing, 2013, pp. 279–287. [DOI: 10.1007/978-3-319-00032-9](https://doi.org/10.1007/978-3-319-00032-9).

- 5 I. Sulis and **M. Porcu**, "Assessing the Quality of the Management of Degree Programs by Latent Class Analysis," in *Statistical Methods for the Evaluation of University Systems*, M. Attanasio and V. Capursi, Eds. Berlin Heidelberg: Springer-Verlag, 2011, pp. 161–172. [DOI: 10.1007/978-3-7908-2375-2_11](#).
- 6 I. Sulis, **M. Porcu**, and M. Pitzalis, "Scaling the Latent Variable Cultural Capital Via Item Response Models and Latent Class Analysis," in *Classification and Multivariate Analysis for Complex Data Structures*, B. Fichet, D. Piccolo, R. Verde, and M. Vichi, Eds. Berlin Heidelberg: Springer-Verlag, 2011, pp. 271–279. [DOI: 10.1007/978-3-642-13312-1_28](#).
- 7 I. Sulis, **M. Porcu**, and N. Tedesco, "Evaluating lecturer's capability over time. Some evidence from surveys on university course quality," in *New Perspectives in Statistical Modeling and Data Analysis*, S. Ingrassia, R. Rocci, and M. Vichi, Eds. Berlin-Heidelberg: Springer-Verlag, 2011, vol. XXII, pp. 13–20. [DOI: 10.1007/978-3-642-11363-5_2](#).
- 8 I. Sulis and **M. Porcu**, "A multiple imputation approach in a survey on university teaching evaluation," in *Data Analysis and Classification*, F. Palumbo, C. N. Lauro, and M. J. Geenacre, Eds. Berlin-Heidelberg: Springer-Verlag, 2010, pp. 473–482. [DOI: 10.1007/978-3-642-03739-9_53](#).
- 9 **M. Porcu**, G. Puggioni, and N. Tedesco, "The determinants of graduates' placement. Analysis of interactions using Boolean logit models," in *Effectiveness of University Education in Italy*, L. Fabbris, Ed. Heidelberg: Springer-Verlag, 2007, pp. 195–206. [DOI: 10.1007/978-3-7908-1751-5_14](#).
- 10 **M. Porcu**, G. Puggioni, and N. Tedesco, "The Transition from University to the Job Market. An Emigration Analysis of the University of Cagliari Graduates," in *Effectiveness of University Education in Italy*, L. Fabbris, Ed. Heidelberg: Springer-Verlag, 2007, pp. 207–217. [DOI: 10.1007/978-3-7908-1751-5_15](#).
- 11 **M. Porcu** and N. Tedesco, "Transition from University to the job market. A time analysis of the university of cagliari graduates," in *Effectiveness of University Education in Italy*, L. Fabbris, Ed. Heidelberg: Springer-Verlag, 2007, pp. 183–194. [DOI: 10.1007/978-3-7908-1751-5_13](#).
- 12 **M. Porcu**, G. Puggioni, and N. Tedesco, "Dall'università al lavoro: Un'indagine sui laureati dell'Ateneo di Cagliari," in *Economia dell'istruzione e del lavoro in Sardegna*, A. M. Pinna and G. Sulis, Eds. Cagliari: CUEC, 2006, pp. 175–209, ISBN: 88-8467-315-1.
- 13 **M. Porcu**, G. Puggioni, and N. Tedesco, "Tra studio e lavoro. La formazione post-lauream secondo un'indagine empirica," in *Metodi e modelli per la valutazione del sistema universitario collana "Determinazione e previsione di rischi sociali e sanitari"*, C. Crocetta, Ed. Padova: Cleup, 2006, vol. 9, pp. 329–342.
- 14 **M. Porcu**, G. Garofalo, and C. Viviano, "The use of administrative sources to model the "activity status" of the enterprises," in *L'integrazione di dati di fonti diverse. Tecniche e applicazioni del Record Linkage e metodi di stima basati sull'uso congiunto di fonti statistiche e amministrative*, P. D. Falorsi, A. Pallara, and A. Russo, Eds. Milano: Franco Angeli, 2005, pp. 113–129.
- 15 **M. Porcu**, M. Marras, and N. Tedesco, "Professioni e percorsi formativi dei laureati dell'università di cagliari," in *Efficacia esterna della formazione universitaria: il progetto OUTCOMES*, L. Fabbris, Ed. Padova: Cleup, 2005, vol. 8, pp. 79–92.
- 16 **M. Porcu** and G. Puggioni, "Condizione occupazionale e prima valutazione del fenomeno dell'emigrazione dei laureati dell'Ateneo di Cagliari," in *Professioni e competenze nel lavoro dei laureati*, F. D'Ovidio, Ed. Padova: Cleup, 2005, vol. 6, pp. 317–326.
- 17 **M. Porcu** and G. Puggioni, "Popolazione e territorio in Sardegna. Dinamiche insediative e incendi agro-forestali," in *Dinamiche territoriali e sviluppo fra Corsica e Sardegna. Dynamiques territoriales et développement en Corse et Sardaigne*, M. Rombaldi and G. Sistu, Eds. Cagliari: CUEC, 2005, pp. 147–215.

- 18 **M. Porcu**, G. Puggioni, and N. Tedesco, “Determinanti dell’inserimento professionale dei laureati. Analisi delle interazioni,” in *Modelli statistici per l’analisi della transizione università-lavoro*, C. Crocetta, Ed. Padova: Cleup, 2005, vol. 7, pp. 197–210.
- 19 **M. Porcu** and N. Tedesco, “Dall’Università al lavoro: Analisi dei tempi di passaggio dei laureati dell’Ateneo di Cagliari,” in *Strategie metodologiche per lo studio della transizione Università-Lavoro*, E. Aureli Cutillo, Ed. Padova: Cleup, 2004, vol. 5, pp. 281–295.
- 20 **M. Porcu** and G. Puggioni, “Laurea ed abbandono universitario. Uno studio comparativo dei due eventi su un campione di immatricolati dell’Università di Cagliari,” in *LAID-OUT: scoprire i rischi con l’analisi di segmentazione*, L. Fabbris, Ed. 2003, vol. 3, pp. 25–40.
- 21 **M. Porcu** and G. Puggioni, “Transizione Università-Lavoro. Analisi preliminare sui laureati della Sardegna nel periodo 1992–2001,” in *Transizione Università-Lavoro: la definizione delle competenze*, M. Civardi, Ed. 2003, vol. 4, pp. 81–96.
- 22 **M. Porcu** and G. Puggioni, “Due classi di indicatori di inefficienza dei percorsi universitari,” in *Indicatori e metodi per l’analisi dei percorsi universitari e post-universitari*, L. Carli Sardi and F. Delvecchio, Eds. 2002, vol. 1, pp. 45–58.
- 23 **M. Porcu** and G. Puggioni, “Le carriere universitarie in una coorte di immatricolati nell’Ateneo di Cagliari osservata per 10 anni. Analisi esplorative,” in *Modelli e metodi per l’analisi di rischi sociali e sanitari*, G. Puggioni, Ed. 2002, vol. 2, pp. 129–140.

Books

- 1 **M. Porcu**, C. Usala, I. Sulis, R. Atzori, and E. Melis, *I sentieri dell’università: I percorsi nell’istruzione terziaria in Sardegna*. Cagliari: UNICAPress, 2023, ISBN: 978-88-3312-093-5.
- 2 A. Petrucci and **M. Porcu**, Eds., A. Agresti. *Metodi statistici di base e avanzati per le scienze sociali*. Milano: Pearson, 2022, ISBN: 978-8891905642.
- 3 G. De Santis, E. Pirani, and **M. Porcu**, Eds., *Rapporto sulla popolazione. L’istruzione in Italia*. Bologna: Il Mulino, 2019, ISBN: 9788815280183.
- 4 M. Pitzalis, **M. Porcu**, A. De Feo, and F. Giambona, *Innovare a scuola. Insegnanti, studenti e tecnologie digitali*. Bologna: Il Mulino, 2016, ISBN: 9788815264121.
- 5 **M. Porcu**, Ed., A. Agresti - B. Finlay. *Metodi statistici di base e avanzati per le scienze sociali*. Milano: Pearson, 2012.
- 6 **M. Porcu**, Ed., A. Agresti - B. Finlay. *Statistica per le Scienze Sociali*. Milano: Pearson, 2009.
- 7 **M. Porcu** and N. Tedesco, *Problemi di statistica in ambito sociale ed economico*. Milano: Pearson, 2007.

Conference Proceedings

- 1 C. Usala, I. Sulis, and **M. Porcu**, “The influence of labor market conditions on students’ career disruption: First insights from Italy,” in *IES 2023 - Statistical Methods for Evaluation and Quality: Techniques, Technologies and Trends (T3)*, A. Bucci, A. Cartone, A. Evangelista, and A. Marletta, Eds., Chieti: Il Viandante, 2023, pp. 48–52. [DOI: 10.60984/978-88-94593-36-5-IES2023](https://doi.org/10.60984/978-88-94593-36-5-IES2023).
- 2 **M. Porcu**, I. Sulis, and C. Usala, “Estimating the peers effect on students’ university choices,” in *IES 2022 Innovation Society 5.0: Statistical and Economic methodologies for quality assessment*, R. Lombardo, I. Camminatello, and V. Simonacci, Eds., PKE, 2022, pp. 134–139.
- 3 **M. Porcu**, I. Sulis, and C. Usala, “Detecting the effect of secondary school in higher education university choices,” in *CLADAG 2021 Book of Abstracts and Short Papers*, G. C. Porzio, C. Rampichini, and C. Bocci, Eds., vol. 128, Firenze: Firenze University Press, 2021, pp. 404–407. [DOI: 10.36253/978-88-5518-340-6](https://doi.org/10.36253/978-88-5518-340-6).

- 4 S. Isabella, C. Silvia, and P. Mariano, "From measurement to explanatory approaches: An assessment of the attractiveness of the curricula programs supplied by Italian universities," in *Book of short papers SIS 2020*, A. Pollice, N. Sartori, and F. Schirripa Spagnolo, Eds., Pearson, 2020, p. 6.
- 5 S. Columbu, **M. Porcu**, I. Primerano, I. Sulis, and M. P. Vitale, "Exploring the Italian student mobility flows in higher education," in *Statistical Methods for Service Quality Evaluation*, M. Bini, P. Amenta, A. D'Ambra, and I. Camminatiello, Eds., Napoli: Cuzzolin, 2019, pp. 46–49.
- 6 S. Columbu, **M. Porcu**, and I. Sulis, "Assessing quality in Italian universities: A multilevel latent profile approach," in *Proceedings of the 34th International Workshop on Statistical Modelling*, L. G. Soutinho Meira-Machado, Ed., vol. II, 2019.
- 7 S. Columbu, **M. Porcu**, and I. Sulis, "University choice and the attractiveness of the study area. Insights from an analysis based on generalized mixed-effect models," in *Book of short papers SIS 2018 49th meeting of the Italian Statistical Society*, A. Abbruzzo, E. Brentari, M. Chiodi, and D. Piacentino, Eds., Milano: Pearson, 2018.
- 8 **M. Porcu**, "Educational Achievement of Immigrant Students. A Cross-National Comparison Over-Time Using OECD-PISA Data," in *Book of short papers SIS 2018 49th meeting of the Italian Statistical Society*, A. Abbruzzo, E. Brentari, M. Chiodi, and D. Piacentino, Eds., Milano: Pearson, 2018.
- 9 I. Sulis, F. Giambona, and **M. Porcu**, "Multivariate mixed models for assessing equity and efficacy in education. An analysis over time using EU15 PISA data," in *International Conference of The Classification and Data Analysis Group of the Italian Statistical Society*, F. Greselin, F. Mola, and M. Zenga, Eds., Milano: Universitas Studiorum, 2017.
- 10 F. Giambona, M. Pitzalis, **M. Porcu**, and I. Sulis, "Insegnanti e innovazione. La scuola sarda e la sfida del digitale," in *Education 2.0: esperienze, riflessioni, scenari*, P. Calidoni and C. Casula, Eds., Cagliari: CUEC, 2015, p. 12, ISBN: 978 88 8467 946 8.
- 11 M. Pitzalis, **M. Porcu**, I. Sulis, F. Giambona, A. De Feo, and M. F. Ghiaccio, "L'analisi quantitativa," in *La rivoluzione digitale nella scuola sarda. Caratteristiche strutturali del sistema, culture professionali, organizzative e didattiche di fronte alla sfida dell'innovazione*, Cagliari: CUEC, 2015, pp. 16–31, ISBN: 978 88 8467 895 9.
- 12 F. Giambona and **M. Porcu**, "The determinants of Italian students' reading scores: A Quantile Regression analysis," in *Cladag 2013. 9th Meeting of the Classification and Data Analysis Group. Book of Abstracts*, T. Minerva, I. Morlini, and F. Palumbo, Eds., Padova: Cleup, 2013, pp. 219–222.
- 13 **M. Porcu** and I. Sulis, "Detecting differences between primary schools in mathematics and reading achievement by using schools added-value measures of performance," in *Cladag 2013. Book of Abstract 9th Scientific Meeting of the Classification and Data Analysis Group of the Italian Statistical Society*, T. Minerva, I. Morlini, and F. Palumbo, Eds., Padova: Cleup, 2013, pp. 281–286, ISBN: 9788867871179.
- 14 **M. Porcu** and N. Tedesco, "Literacy in mathematics and reading and its association with cultural behaviors. A LCRA application," in *Advances in Latent Variables*, E. Brentari and M. Carpita, Eds., Milano: Vita e Pensiero, 2013.
- 15 I. Sulis and **M. Porcu**, "Handling missing data in item response theory. Assessing the accuracy in estimation of two multiple imputation procedures," in *Proceedings of the 28th International Workshop on Statistical Modelling*, V. M. Muggeo, V. Capursi, G. Boscaino, and G. Lovison, Eds., vol. 2, Palermo: Istituto Poligrafico Europeo, 2013, pp. 795–798.
- 16 I. Sulis and **M. Porcu**, "Comparing degree programs using unadjusted performance indicators. Assessing the bias from the potential confounding factors," in *46th Scientific Meeting of the Italian Statistical Society*, Padova: Cleup, 2012, pp. 1–4.







- 17 **M. Porcu**, V. M. Muggeo, and V. Capursi, "Modelling the timing of marital dissolution in Italy: A censored quantile regression with additive term," in *Proceedings of the 26th International Workshop on Statistical Modelling*, 2011, pp. 490–493.
- 18 I. Sulis and **M. Porcu**, "Evaluating the University System Controlling for Potential Confounding Factors," in *Cladag 2011 : book of abstracts : 8th scientific meeting*, P. Cerchiello and C. Tarantola, Eds., Pavia: PaviaUniversityPress, 2011, pp. 1–4.
- 19 **M. Porcu**, I. Sulis, and N. Tedesco, "Evaluating lecturer's capability over time. Some evidence from surveys on university course quality," in *Classification and Data Analysis 2009 - Book of Short Papers*, S. Ingrassia and R. Rocci, Eds., Padova: Cleup, 2009, pp. 601–604. [DOI: 10.1007/978-3-642-11363-5_2](#).
- 20 **M. Porcu**, M. Pitzalis, and I. Sulis, "Differences of Cultural Capital among students in transition to university: Some evidences from a survey," in *Proceedings of the IASK International Conference Teaching and Learning 2008*, M. Munoz, I. Jelinek, and F. Ferreira, Eds., Aveiro: IASK, 2008, pp. 98–102.
- 21 I. Sulis and **M. Porcu**, "Pointing Out Homogeneous Classes of Students Moving from Assessments of Management of Their Degree Schemes," in *Atti della XLIV Riunione Scientifica*, Padova: Cleup, 2008.
- 22 I. Sulis and **M. Porcu**, "A multiple imputation approach in a survey on university teaching evaluation," in *Classification and Data Analysis 2007*, Macerata: Eum, 2007, pp. 295–298.
- 23 I. Sulis and **M. Porcu**, "The evaluation of university teaching. An imputation procedure to recover for missingness," in *Risk and prediction. Proceedings of the 2007 intermediate conference*, Padova: Cleup, 2007.
- 24 **M. Porcu** and V. M. Muggeo, "Factors that Cause University Students to Drop Out. An Alternative Modelling of Interaction Terms in Logistic regression Models," in *Atti della XLII Riunione Scientifica della Società Italiana di Statistica*, vol. 2, 2004, pp. 511–514.
- 25 **M. Porcu** and V. Capursi, "La didattica universitaria valutata dagli studenti: Un indicatore basato su misure di distanza fra distribuzioni di giudizi," in *Book of Abstracts - Convegno Intermedio della Società Italiana di Statistica*, vol. 2, 2001, pp. 17–20.

Working Papers
















- 1 **M. Porcu** and A. Campus, *Reconsidering the Well-Being: The Happy Planet Index and the issue of missing data*, CRENoS Working Papers, 7, 2010.
- 2 **M. Porcu** and V. Carta, *Measures of wealth and Well-Being. a comparison between GDP and ISEW*, CRENoS Working Papers, 6, 2010.
- 3 M. Pitzalis, I. Sulis, and **M. Porcu**, *Differences of Cultural Capital among students in transition to university. some first survey evidences*, CRENoS Working Papers, 5, 2008.
- 4 I. Sulis and **M. Porcu**, *Assessing the effectiveness of a stochastic regression imputation method for ordered categorical data*, CRENoS Working Papers, 4, 2008.
- 5 **M. Porcu** and G. Bottazzi, *Caratteristiche delle nuove imprese e dei nuovi imprenditori in Sardegna. Alcune evidenze dell'indagine pilota sulla nuova imprenditorialità*, Contributi ISTAT, 18, 2005.
- 6 **M. Porcu** and M. Marras, *La frequenza alle lezioni e l'esito di un esame. Un'applicazione all'esame di statistica nella Facoltà di Scienze Politiche*, Quaderni del Dipartimento di Ricerche Economiche e Sociali dell'Università di Cagliari - Sezione Statistica, 18, 2004.
- 7 **M. Porcu** and G. Puggioni, *Un indicatore sintetico per la valutazione degli incendi agro-forestali. Un'applicazione alla Sardegna*, Quaderni del Dipartimento di Ricerche Economiche e Sociali dell'Università di Cagliari - Sezione Statistica, 20, 2004.

- 8 **M. Porcu** and T. Morana, *Il bootstrap. Un'applicazione informatica per un problema di ricampionamento*, Quaderni del Dipartimento di Ricerche Economiche e Sociali dell'Università di Cagliari - Sezione Statistica, 12, 2002.
- 9 **M. Porcu** and B. Pettinelli, *La salute e la famiglia innanzitutto. I valori di riferimento dei giovani attraverso un'indagine empirica*, Quaderni del Dipartimento di Ricerche Economiche e Sociali dell'Università di Cagliari - Sezione Statistica, 16, 2002.
- 10 **M. Porcu**, G. Puggioni, and I. Sulis, *Ulteriori proposte per la determinazione di indicatori di inefficienza dell'attività formativa dell'università*, Quaderni del Dipartimento di Ricerche Economiche e Sociali dell'Università di Cagliari - Sezione Statistica, 10, 2001.
- 11 **M. Porcu** and F. Stara, *Dinamiche evolutive e alcune caratteristiche del fenomeno del suicidio in Italia e in Europa*, Quaderni del Dipartimento di Ricerche Economiche e Sociali dell'Università di Cagliari - Sezione Statistica, 9, 2001.
- 12 **M. Porcu**, *Il marketing per le organizzazioni di servizio*, 1999.


















Conferences & Workshops

- Dec 2024  **“Fostering resilience at the university: Statistical models for assessing the influence of high schools and peers”** at 18th International and Joint Conference CFE CMSTATISTICS – London (With S. Columbu, C. Usala, I. Sulis).
- Oct 2024  **“Indicators for assessing secondary school effectiveness and peers’ impacts on facilitating tertiary education access and completion”** at IX Seminar – Data from and for educational systems: tools for research and teaching – Rome (With S. Columbu, C. Usala, I. Sulis).
- Jun 2024  **“From high school to university: assessing school influence on students’ career at the university”** at 52nd Meeting of the Italian Statistical Society – Bari (With C. Usala, I. Sulis).
- Mar 2024  **“The role of schools in shaping university careers: Evidence from Italy”** at HiTec meeting & Workshop on Complex data in Econometrics and Statistics – Cyprus University of Technology, Limassol (online) (With C. Usala, I. Sulis).
- Dec 2023  **“Exploring the role of labor market conditions and university quality on university dropout”** at CMStatistics2023 - 16th International Conference of the ERCIM WG on Computational and methodological Statistics – HTW Berlin, University of Applied Science, Berlin (online) (With C. Usala I. Sulis).
- Sep 2023  **“Inequalities at entrance, labour market conditions and university dropout: first evidence from Italy”** at CLADAG 2023 - 14th Scientific Meeting of Classification and Data Analysis Group – Salerno (With I. Sulis, C. Usala).
-  **“The influence of labor market conditions on students’ career disruption: first insights from Italy”** at IES 2023 - Statistical Methods for Evaluation and Quality: Techniques, Technologies and Trends – Pescara (With I. Sulis, C. Usala – Invited talk).
- Feb 2023  **“Following the crowd: how peers affect students’ mobility choices”**, at AISP-Popdays - 14th edition) – Rome (With I. Sulis, C. Usala).
- Jan 2023  **“Following the paths: i sentieri dell’istruzione terziaria degli studenti sardi”**, at Percorsi di mobilità studentesca universitaria in Italia. Dati a confronto, Università di Salerno and Università di Napoli Federico II – Salerno (With I. Sulis, C. Usala, R. Atzori, E. Melis).
- Sep 2022  **“Assessing the role of peers in university students’ dropout”**, at The European Conference on Data Analysis - Gfkl, EuADS, SKAD, VOC, BCS – Naples (With I. Sulis, C. Usala).
- Jun 2022  **“Estimating peers’ effect in university students’ dropout decisions”**, at 51st Meeting of the Italian Statistical Society – Caserta (With I. Sulis, C. Usala – Invited talk).

Conferences & Workshops (continued)

- Jan 2022  **“University dropout and churn in Italy: an analysis over time”**, at *51st Meeting of the Italian Statistical Society – Caserta (With I. Sulis, C. Usala)*.
- Sep 2021  **“Estimating the peers effect on students’ university choices”**, at *IES 2022 - Innovation & society 5.0: statistical and economic methodologies for quality assessment – Caserta (With I. Sulis, C. Usala)*.
- Jun 2021  **“Detecting the effect of secondary school in higher education university choices”**, at *13th Classification and Data Analysis Group Scientific meeting – Florence (With I. Sulis, C. Usala)*.
- Jul 2019  **“The big numbers of tertiary education in Italy”**, at *50th Scientific Meeting of the Italian Statistical Society – Pisa (Invited talk)*.
- Apr 2019  **“Exploring the Italian student mobility flows in higher education”**, at *IES 2019 - Statistical evaluation systems at 360°: techniques, technologies and new frontiers – Rome, (With S. Columbu, I. Primerano, I. Sulis, M.P. Vitale)*.
- Apr 2019  **“Assessing quality in Italian Universities: a multilevel latent profile approach”**, at *Workshop Student mobility, university and post-university choices – Guimaraes (Portugal) (With S. Columbu, I. Sulis)*.
- Apr 2019  **“Adjusted indicators for monitoring degree programs attractiveness. Insights on differences among universities and curricula of study”**, at *Workshop on Student mobility, university and post-university choices – Cagliari (With S. Columbu, I. Sulis)*.
- Apr 2019  **“The dimensions of quality: a Multilevel Latent Profile Approach to compare degree programs at the university”**, at *Workshop on Student mobility, university and post-university choices – Cagliari (With S. Columbu, I. Sulis)*.
- Apr 2019  **“Exploring the Italian student mobility flows in higher education through a network approach. Insights from empirical data”**, at *Workshop on Student mobility, university and post-university choices – Cagliari (With S. Columbu, I. Primerano, I. Sulis e M.P. Vitale)*.
- Jan 2019  **“The Geography of Italian Student Mobility: a Network Analysis Approach”**, at *AISP-Population Days – 13th Edition – Milan (With S. Columbu, I. Primerano, I. Sulis e M.P. Vitale)*.
- Sep 2018  **“University choice and the attractiveness of the study area. Insights from an analysis based on generalized mixed-effect models”**, at *RSS 2018 International Conference – Cardiff (UK) (With S. Columbu e I. Sulis)*.
- Jun 2018  **“Educational Achievement of Immigrant Students. A Cross-National Comparison Over-Time Using OECD-PISA Data”**, at *49th Scientific Meeting of the Italian Statistical Society – Palermo (Invited talk)*.
- Jun 2018  **“University choice and the attractiveness of the study area. Insights from an analysis based on generalized mixed-effect models”**, at *49th Scientific Meeting of the Italian Statistical Society – Palermo (With S. Columbu e I. Sulis)*.
- Sep 2017  **“Using bivariate mixed effect models for assessing equity and efficacy in education. An analysis over time using EU15 PISA data”**, at *XXXVIII Conferenza Scientifica Associazione Italiana di Scienze Regionali A.I.S.Re – Cagliari (With F. Giambona, I. Sulis)*.
- Sep 2017  **“Multivariate mixed models for assessing equity and efficacy in education. An analysis over time using EU15 PISA data”**, at *11th Scientific Meeting of the Classification and Data Analysis Group – CLADAG of the Italian Statistical Society – Milan (With F. Giambona, I. Sulis)*.
- Feb 2017  **“Students’ literacy in mathematics and reading. The use of a multilevel multivariate mixed effect models for the analysis of longitudinal PISA data”**, at *AISP-Population Days – 12th Edition – Florence (With F. Giambona, I. Sulis)*.








Conferences & Workshops (continued)

- Jun 2016  **“The Bifactor Item Response Theory Model for the analysis of repeated measurements. An application to the measurement of Italian households’ well-being”**, at *48th Scientific Meeting of the Italian Statistical Society* – Salerno (With F. Giambona, I. Sulis).
- Jul 2015  **“Insegnanti e innovazione. La scuola sarda e la sfida del digitale”**, at *Learning Digital: Which Issues From Education 2.0?* – Cagliari (With F. Giambona, M. Pitzalis, I. Sulis).
-  **“The potential of Latent Class Analysis as a tool for quality assessment”**, at *IES Conference – Innovation and Society* – Bari (With N. Tedesco, I. Sulis).
- Apr 2015  **“La valutazione della didattica secondo i giudizi degli studenti; l’esperienza dell’Università di Cagliari”**, at *La valutazione della didattica universitaria: prospettive, indicatori e metodi a confronto* – Naples.
- Feb 2015  **“Does education affect well-being? Some longitudinal empirical evidences using Italian SILC data”**, at *AISP-Population Days – 11th Edition* – Palermo (With F. Giambona, I. Sulis).
-  **“A proposal of indicators of university attractiveness based on students’ mobility”**, at *AISP-Population Days – 11th Edition* – Palermo (With F. Giambona, I. Sulis).
- Nov 2014  **“Measuring university attractiveness in Italy. An analysis of the determinants of students’ mobility”**, at *Conference of European Statistics Stakeholders. Methodologists, Producers and Users of European Statistics* – Rome (With F. Giambona, I. Sulis).
- Sep 2014  **“The determinants of students’ mobility: an empirical analysis using Italian data”**, at *Italian conference on excellence in quality, statistical control and customer satisfaction* – Turin (With F. Giambona, I. Sulis).
- Sep 2013  **“The determinants of Italian students’ reading scores: a Quantile Regression analysis”**, at *9th Scientific Meeting of the Classification and Data Analysis Group – CLADAG of the Italian Statistical Society* – Modena (With F. Giambona).
-  **“Detecting differences between primary schools in mathematics and reading achievement by using schools added-value measures of performance”**, at *9th Scientific Meeting of the Classification and Data Analysis Group – CLADAG of the Italian Statistical Society* – Modena (With I. Sulis – *Invited talk*).
- Jul 2013  **“Handling missing data in Item Response Theory. Assessing the accuracy in estimation of two multiple imputation procedures”**, at *28th International Workshop on Statistical Modelling* – Palermo (With I. Sulis).
- Jun 2013  **“Literacy in mathematics and reading and its association with cultural behaviors. A LCRA application”**, at *SIS 2013 Statistical Conference – Advances in Latent Variables – Methods, Models and Applications* – Brescia (With N. Tedesco).
- Jun 2012  **“Comparing degree programs using unadjusted performance indicators. Assessing the bias from the Potential Confounding Factors”**, at *46th Scientific Meeting of the Italian Statistical Society* – Rome (With I. Sulis – *Invited talk*).
- Jul 2011  **“Modelling the Timing of Marital Dissolution in Italy: a censored quantile regression with additive terms”**, at *26th International Workshop on Statistical Modelling* – Valencia (Spain) (With V.M.R. Muggeo, V. Capursi).
- Jun 2011  **“Students’ Evaluation of Teaching. The need for adjusted measures in comparative evaluations”**, at *IES 2011 – Innovation and Society* – Florence (With I. Sulis – *Invited talk*).
- Feb 2011  **“The Evaluation of the University System controlling for heterogeneity. A proposal for a standardized indicator of efficiency”**, at *Workshop Misurare l’efficacia esterna per valutare e migliorare la formazione universitaria* – Padua (With I. Sulis).
- Sep 2010  **“Measuring the effect of cultural capital on students’ achievement”**, at *Joint Meeting GfKI - CLADAG 2010* – Florence (With I. Sulis).




Conferences & Workshops (continued)

- Feb 2010 **■** “Comparing degree programs by using a net indicator of students’ perceived quality based on LCRA estimates”, at *Workshop Strumenti e metodi statistici per la valutazione dell’efficacia del sistema universitario* – Rome (With I. Sulis).
- Mar 2009 **■** “Students’ university pathway and cultural capital: does an initial selection bias exist in the choices of university curricula?”, at *Me.Mo.Re. – L’accreditamento degli atenei, metodi e modelli per definire reputazione e posizionamento* – Milan (With M. Pitzalis, I. Sulis, N. Tedesco).
- Jul 2008 **■** “Measuring the Cultural Capital as a Strategic Asset to Choose a University Pathway”, at *Workshop DIVAGO – La Statistica, la Valutazione e l’Università* – Palermo (With M. Pitzalis, I. Sulis).
- Jun 2008 **■** “Scaling the Latent Variable Cultural Capital Via Item Response Models and Latent Class Analysis”, at *XLIV Riunione Scientifica della Società Italiana di Statistica* – Cosenza (With I. Sulis).
- “Pointing Out Homogeneous Classes of Students Moving From Assessments of Management of Their Degree Scheme”, at *First Joint Meeting of the Société Francophone de Classification and the Classification and Data Analysis Group of the Italian Statistical Society* – Caserta (With I. Sulis).
- May 2008 **■** “Differences of Cultural Capital among Students in Transition to University: Some Evidences from a Survey”, at *IASK - International Association for the Scientific Knowledge – Teaching and Learning 2008* – (With M. Pitzalis, I. Sulis).
- Sep 2007 **■** “A multiple imputation approach in a survey on university teaching evaluation”, at *CLADAG – Sixth Scientific Meeting* – Macerata (With I. Sulis – *Invited talk*).
- “Capitale culturale, strategie familiari, processi scolastici nella transizione scuola-università”, at *Congresso Nazionale Associazione Italiana di sociologia Capire le differenze: integrazioni e conflitti nella società del XXI secolo* – Urbino (With M. Pitzalis).
- Jun 2007 **■** “The evaluation of university teaching. An imputation procedure to recover for missingness”, at *Convegno Intermedio della Società Italiana di Statistica - Rischio e previsione* – Venice (With I. Sulis).
- Nov 2006 **■** “Il paradosso Italia. Tempi e forme di partecipazione femminile al lavoro, strategie di permanenza”, at *Nel segno dell’empowerment femminile. Donne e democrazia politica in Italia e nel mondo* – Cagliari (With D. Oggianu, M. Zurru).
- Sep 2006 **■** “Tra studio e lavoro. La formazione post-lauream secondo un’indagine empirica”, at *Workshop OUTCOMES 2005. Metodi e modelli per la valutazione del sistema universitario* – Foggia (With G. Puggioni, N. Tedesco).
- Feb 2005 **■** “Caratteristiche delle professioni svolte dai laureati dell’ateneo di Cagliari”, at *Workshop Transizioni università-lavoro e valorizzazione delle competenze professionali dei laureati* – Padova (With G. Puggioni, N. Tedesco).
- Sep 2004 **■** “Determinanti dell’inserimento professionale dei laureati. Analisi delle interazioni”, at *Workshop OUTCOMES: Modelli di analisi della transizione università-lavoro* – Foggia (With G. Puggioni, N. Tedesco).
- Jun 2004 **■** “Dinamica della popolazione e degli incendi agro-forestali in Sardegna. Elementi per un’analisi delle determinanti”, at *IV^e Congrès International Environnement et Identité en Méditerranée* – Corte (France) (With G. Puggioni).
- “Factors that cause university students to drop out. An alternative modelling of interaction terms in logistic regression models”, at *XLII Riunione Scientifica della Società Italiana di Statistica* – Bari (With V.M.R. Muggeo).
- Apr 2004 **■** “Statistical and functional analysis of a ceramic assemblage”, at *XXXII CAA Conference Computer Applications and Quantitative Methods to Archaeology* – Prato (With M.C. Locci).



Conferences & Workshops (continued)

- Dec 2003  “**Analisi dei tempi di passaggio dall’università al lavoro dei laureati dell’ateneo di Cagliari**”, at *Workshop Le strategie metodologiche per lo studio della transizione università-lavoro* – Rome (With N. Tedesco).
-  “**L’esportazione del capitale umano: prima valutazione del fenomeno per i laureati dell’ateneo di Cagliari**”, at *Workshop Le strategie metodologiche per lo studio della transizione università-lavoro* – Rome (With G. Puggioni).
- Jun 2003  “**Analisi preliminare sui laureati della Sardegna nel periodo 1992-2001**”, at *Workshop Definire e rilevare le competenze professionali per la transizione università-lavoro* – Milan (With G. Puggioni).
- Dec 2002  “**Gli esiti delle carriere universitarie. Primi risultati da un’analisi delle risposte di una coorte di studenti dell’ateneo di Cagliari**”, at *Workshop LAID-OUT: scoprire i rischi con l’analisi di segmentazione* – Padua (With G. Puggioni).
- Jul 2002  “**Le carriere universitarie in una coorte di immatricolati nell’Ateneo di Cagliari osservata per 10 anni**”, at *Workshop Modelli e metodi per l’analisi di rischi sociali e sanitari* – Cagliari (With G. Puggioni).
- Feb 2002  “**Ulteriori proposte per la determinazione di indicatori di inefficienza dell’attività formativa dell’Università**”, at *Workshop Indicatori e metodi per l’analisi dei percorsi universitari e post-universitari* – Bari (With G. Puggioni).
- Jun 2001  “**La didattica universitaria valutata dagli studenti: un indicatore basato su misure di distanza fra distribuzioni di giudizi**”, at *Convegno Intermedio della Società Italiana di Statistica - Processi e Metodi statistici di valutazione* – Rome (With V. Capursi).



Skills

- Languages  Italian: native. English: proficient. Spanish: proficient.
- Coding  STATA, SAS, R, \LaTeX .
-  IOS, WINDOWS, MS-OFFICE.


Miscellaneous Experience

- 2025  **Population Days 2025, Cagliari**, *Head of the Local Organising Committee and Member of the Scientific Committee.*
- 2025 –  **ISTAT, Italian National Institute for Statistics – Inter-institutional scientific commission on educational poverty**, *Member of the Commission.*

Collaborations with Foreign Institutions

- 2023 –  **University of Toledo - Ohio (USA)**, Re: *Prof. Michael D. Toland.*
- 2013  **University of Kentucky - Kentucky (USA)**, Visiting Researcher at the *Department of Educational Policy Studies and Evaluation.*

Awards and Achievements

- 2005  **Start-up of Young Researchers – Grant for the Research Project *Entering University: The Selection Process for Admission Tests***. Awarded by University of Cagliari (With M. Pitzalis).

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Signature
