

CURRICULUM VITAE OF MASSIMO ATTANASIO

PERSONAL INFORMATION

Name: MASSIMO

Surname: ATTANASIO

Date of birth: XXX

Contact details: Ed. n. 13, Dept. of Economics, Business and Statistics, 1st floor office.
+39 09123895301

Personal address: XXXXXXXXXXXX

CF XXXXXXXXXXXX

E-mail: massimo.attanasio@unipa.it

ACADEMIC POSITION

Full Professor of Social Statistics at the University of Palermo since 01/01/2004

TEACHING ACTIVITY

Biostatistics at the Master's degree course, University of Palermo

Social Statistics at Undergraduate level, University of Palermo

Statistical Methods for Evaluation at Undergraduate level, University of Palermo

Education:

University of Palermo, Laurea in Statistical Sciences, 1982

University of Padua, Ph.D. in Applied Statistics, 1991

Doctoral Dissertation: Modelling graduates and drop-outs in Italian

Universities in three cohorts of freshmen

University of California Los Angeles, Post-Doc, Jan-Dec1992.

Professional Career:

University of Palermo, Ricercatore (Assistant Professor of Statistics) 1992-nov 1998

Visiting Scientist at Ontario Veterinary College, Guelph, Canada , Aug-Dec 1994

University of Palermo, Associate Professor of Social and Medical Statistics 1998- 2002

University of Palermo, Full Professor of Social Statistics and Biostatistics 2002- present

University Ludwig Maximilian Munich, Visiting Professor, July 2010

University Johns Hopkins University, School of Public Health, Baltimore, Visiting Scientist,
July 2014

Research Activities:

- Member of the PhD Program in “Economics, Business and Statistics”
University of Palermo, 2001- present;
- Associate Editor of the Italian Journal of Statistics;
- Member of the National Research Program 2000 (PRIN) “Statistics in the assesment of the enviromental risks”, PI Gianfranco Lovison;
- Member of the National Research Program 2002 “Statistics as a support to enviromental decisions: identification, monitoring, and intervention assesment”, PI Daniela Cocchi;
- Vice-Coordinator of the National Research Program 2005 and 2008 (PRIN)

'Indicators Construction for Public Decision-Making Processes between Measurement Issues and Knowledge Opportunities', coordinator by Vincenza Capursi;

- Associate Editor of the Journal "Journal of Applied Statistics",
- PI of the Research group on the "Studio della Mobilità Studentesca Universitaria" among "Ufficio di Statistica e Studi del Miur" and the Universities of Palermo, Cagliari, Siena and Turin. 2016- 2024

National and International Grants

- PI of the National "Progetto Lauree scientifiche" Degree Program, Statistics" 2014-2020; 2022-2025. Euro 120.000 per year.
- PI of the PRIN (Progetto di Ricerca di Interesse Nazionale) 2017 "From high school to job placement: micro-data life course analysis of university student mobility and its impact on the Italian North-South divide.", n. 2017 HBT5P , 692.000 euro

National and International Acknowledgements

- PI of a research group on the "Study of the university student mobility" among "Italian Ministry of University and Research" and the Universities of Palermo, Florence, Naples "Federico II", and Sassari. 2016- present
- 1992, University of California Los Angeles , one-year post-doc scholarship Exchange program Between University of Padua- University of California

Other Activities

- 2000-2006 Member of the "Evaluation Committee for Clinical Trial Experiments" Ospedale Cervello, Palermo, Italy
- 2011-2014 Tempus IV Member of the University of Palermo Board for the project "Embedding Quality Assurance in Doctoral Education", Italy, Germany, Romania and Bosnia-Herzegovina, European Commission
- 2013-2016 Member of the Sicilian Regional "Evaluation Committee for Clinical Trial Experiments", Italy
- 2007-2013 Coordinator of the Course studies in Statistics and Informatics (BA) and Statistical Sciences (Master), University of Palermo, Italy
- 2010-2013 Statistical Expert in the Project Medstrategy – Integrated strategy for Sustainable Development of Mediterranean Rural Areas, MED Programme – European Territorial Cooperation
- 2018-2022 Member of the Board of the Italian Statistical Society 2018-2022
- 2017-2019 PI of the Research Group on "Sample survey on bike-sharing in some High Schools in Palermo", Italy
- Member of the National Ph. D Program in Life-Course Analysis, Head: University of Florence; starting September 2023

Main publications:

- 1) M. Attanasio (1991), Analisi della selezione universitaria - tre generazioni di immatricolati nell'Ateneo di Palermo, Dissertazione finale del dottorato di ricerca in Statistica, Dipartimento di Scienze Statistiche, Università di Padova.
- 2) M. Attanasio e V. Capursi (1994), Un'indagine campionaria sulla transizione Scuola-Formazione-Lavoro: il caso di due città del Mezzogiorno, Economia e Lavoro, n.3-4, 53-68.

- 3) M. Attanasio e W.K. Wong (1995), Transformations for Stabilizing Spread in a Time Series Model: a Comparative Study, *Journal of Statistical Computation and Simulation*, Vol.52, 55-70.
- 4) M. Attanasio e F. Ongaro (1995), A hazard model for a multistate discrete stochastic process: a case study coming from women's life courses. Contributions of Italian Scholars to the European Population Conference, (Milano, 4-8 settembre 1995), Istituto di Ricerche sulla Popolazione, 1995, 23-41.
- 5) M. M. Shoukri, M. Attanasio, J. M. Sergeant (1998), Parametric versus Semi-Parametric Models for the Analysis of Correlated Survival Data: A Case Study in Veterinary Epidemiology, *Journal of Applied Statistics*, Vol.25, No.3, 357-374
- 6) RM. Ruggieri., N. Settiani, L. Viviano, M. Attanasio, L. Giglia, G. Cuccia, F. Piccoli (2003): Long term Interferon-beta treatment for Multiple Sclerosis, *Neurological Sciences*, Vol.24, no.5, 361-364.
- 7) F. Aiello, M. Attanasio (2004), How to transform a batch of simple indicators to make up a unique one?, *Atti della XLII Riunione Scientifica della SIS*, Bari, giugno 2004.
- 8) Tinè F., Attanasio M., Russo F., Pagliaro L. (2005). A Decade of Trials of Interferon-Alpha for Chronic Hepatitis C. A Meta-Regression Analysis. *Contemporary Clinical Trials*, vol. 26; p. 179-210, ISSN: 1551-7144
- 9) Cammà C, Di Marco V., Cabibbo G., Latteri F, Sandonato L, Parisi P, Enea M, Attanasio M., Galia M, Alessi N, Licata A, Latteri M.A, Craxi A (2008). Survival of patients with hepatocellular carcinoma in cirrhosis: a comparison of BCLC, CLIP and GRETCH staging systems, *Alimentary Pharmacology & Therapeutics*, vol. 28; p. 62-75, ISSN: 0269-2813, doi: 10.1111/j.1365-2036.2008
- 10) Aiello F, Attanasio M. (2008). Alcune considerazioni sulla costruzione di indicatori composti. In: Capursi V., Ghellini G.. Dottor Divago: Discernere valutare e governare la nuova Università. Collana Valutazione - AIV - Teoria, metodologia e ricerca. p. 123-138, Milano: Franco Angeli, ISBN/ISSN: 978-88-464-9634-8
- 11) Calvaruso, V., Cammà, C., Di Marco, V., Maimone, S., Bronte, F., Enea, M., et al. (2009). Fibrosis staging in chronic hepatitis C: analysis of discordance between transient elastography and liver biopsy. *Journal of Viral Hepatitis*, 2009-09.
- 12) Muggeo V., Attanasio M., Porcu M. (2009). A Segmented Regression Model for Event History Data: an Application to the Fertility patterns in Italy, *Journal of Applied Statistics*, vol. 36, p. 973-988, ISSN: 0266-4763, doi: 10.1080/02664760802552994
- 13) Muggeo V., Attanasio M., (2010). Segmented relationships to model erosion of regression effect in Cox regression, *Statistical Methods in Medical Research*, vol. 36, p. 973-988, ISSN: 0266-4763, doi: 10.1080/02664760802552994
- 14) Attanasio M, Enea M, Rizzo L (2010). Some issues concerning the statistical evaluation of a screening test: the ARFI ultrasound case. *Statistica*, vol. 70, p. 311-322, ISSN: 0390-590X
- 15) Cabibbo, G., Enea, M., Attanasio, M., Bruix, J., Craxi, A., & Cammà, C. (2010). A meta-analysis of survival rates of untreated patients in randomized clinical trials of hepatocellular carcinoma. *Hepatology*, DOI 10.1002/hep.23485

- 16) Attanasio M., Capursi V. (2011) Eds., *Statistical Methods for the Evaluation of University Systems*, Springer Verlag, ISBN 978-3-7908-2374-5
- 17) Aiello F, Attanasio M, Tinè F (2011). Assessing covariate imbalance in meta-analysis studies. *Statistics in Medicine*, vol. 30, p. 2671-2682, ISSN: 0277-6715, doi: 10.1002/sim.4311
- 18) Rizzo L, Calvaruso V, Cacopardo B, Alessi N, Attanasio M, Petta S, Fatuzzo F, Montineri A, Mazzola A, L'abbate L, Nunnari G, Bronte F, Di Marco V, Craxì A, Cammà C. (2011). Comparison of transient elastography and acoustic radiation force impulse for non-invasive staging of liver fibrosis in patients with chronic hepatitis C. *American Journal of Gastroenterology*, vol. 106, p. 2012-2020, ISSN: 0002-9270, doi: 10.1038/ajg.2011.341
- 19) Attanasio, M; Boscaino, G; Capursi, V; Plaia, A (2013). Can the students' career performance be helpful in predicting an increase in universities income?. In Giudici, P; Ingrassia, S; Vichi, M (Eds) *Statistical Models for Data Analysis*. Springer.
- 20) Rizzo L, Attanasio M, Pinzone MR, Berretta M, Malaguarnera M, Morra A, L'Abbate L, Balestreri L, Nunnari G, Cacopardo B (2014). A New Sampling Method for Spleen Stiffness Measurement Based on Quantitative Acoustic Radiation Force Impulse Elastography for Noninvasive Assessment of Esophageal Varices in Newly Diagnosed HCV-Related Cirrhosis. *Biomed Research International*, vol. (2014), Article ID 365982, 8 pages, ISSN: 2314-6133, doi:/10.1155/2014/365982
- 21) Attanasio M, Enea M (2015). An association model for bivariate data with application to the analysis of university students' success. *Journal of Applied Statistics*, vol. 41, ISSN: 0266-4763, doi: 10.1080/02664763.2014.998407
- 22) Attanasio M, Boscaino G, & Capursi V. (2015). Studenti in calo e in fuga: quale è il destino degli atenei siciliani? In S. Campostrini, G. Ghellini, & A. Tuzzi (a cura di), *Con senso di misura. Riflessi statistici da alcuni allievi di Lorenzo Bernardi* (99-113). Padova : Cleup.
- 23) Attanasio M., (2015), Il Piano Nazionale Lauree Scientifiche, *Induzioni*, 51, ISSN 1120-690X, ISSN e 1724-0476
- 24) Attanasio M, Capursi V (2016), Statistics in Education, *Journal of Applied Statistics*, vol. 43 (1), doi: 10.1080/02664763.2015.1104890.
- 25) Cortegiani A., Russotto V., Maggiore A., Attanasio M., Naro A., Raineri S., Giarratano A. (2016), Antifungal agents for preventing fungal infections in non-neutropenic critically ill patients. *Cochrane Database of Systematic Reviews*, vol. 1, ISSN: 1469-493X, doi: 10.1002/14651858.CD004920.pub3
- 26) Tinè F, Attanasio M, Muggeo V, Crainiceanu C, (2017) Evidence of bias in Randomized Clinical Trials of Hepatitis C Interferon therapies, *Clinical trials*, 14, 5: 483-488, <https://doi.org/10.1177/1740774517715447>
- 27) Vitale S, Giosuè C, Biondo F, Bono G, Boscaino G, Sprovieri M, (2017) Are People Willing to Pay for Eco-Labeled Wild Seafood? An Overview, *European J of Sustainable Development*, 6, 3, 20-28 ISSN: 2239-5938, doi:10.14207/ejsd.2017.v6n3p20
- 28) D'Urso D., Stefano A, Romano A, Russo G., Attanasio M. *et al.* (2018) Analysis of Metabolic Parameters Coming from Basal and Interim PET in Hodgkin Lymphoma. *Current Medical Imaging Reviews* 14(4), 533-544
- 29) Consiglio A, Attanasio M, Fricano S, Pecorella A (2018), Un Modello di Massima Copertura della Domanda per l'Allocazione Ottima delle Ciclostazioni di AMAT. pp.24-38. In *D/SEAS WORKING PAPERS* - ISSN:2611-0172 vol. 2 (1)

- 30) Graffeo, L., Vitrano A, Attanasio M., et al. (2018) β -Thalassemia heterozygote state detrimentally affects health expectation, *European Journal of Internal Medicine*, Volume 54, 76 – 80, doi.org/10.1016/j.ejim.2018.06.009;
- 31) Attanasio M., Enea M., Albano A., Priulla A.(2018), Analisi delle carriere universitarie nelle lauree scientifiche di base in Italia nell'ultimo decennio, *Induzioni*, 57, 2, doi.org/10.192727201800902002/
- 32) Attanasio M., Enea M. (2019). La mobilità degli studenti universitari nell'ultimo decennio in Italia. (a cura di) De Santis G., Pirani E., Porcu, M. In *Rapporto sulla popolazione. L'istruzione in Italia*. 43 – 58. Bologna, Il Mulino. ISBN: 978-88-15-28018-3
- 33) Attanasio M., Enea M., Albano A. (2019). Dalla triennale alla magistrale: continua la "fuga dei cervelli" dal Mezzogiorno d'Italia. *Neodemos*, ISSN: 2421-3209.
- 34) Attanasio M., Enea M., Priulla A. (2019). Quali atenei scelgono i diplomati del Mezzogiorno d'Italia? *Neodemos*, ISSN: 2421-3209.
- 35) Genova V.G, Tumminello M., Enea M., Aiello F. (2019). Student mobility in higher education: Sicilian outflow network and chain migrations. *Electronic Journal of Applied Statistical Analysis*.
- 36) D'Orso G.; Migliore M.; Attanasio M.; Enea M.; Di Maria G.; Lo Monaco R.; Caminiti D.; Marchese M.; Bongiorno N. (2020), School Bike Sharing Program: Will it succeed?, In *Transportation Research Procedia* (171-178). Elsevier B.V., doi: 10.1016/j.trpro.2020.03.076
- 37) Attanasio M., Giambalvo O., Ragozini G. & Porcu M. (2020), (a cura di) *Verso Nord. Le nuove e vecchie rotte delle migrazioni universitarie*, Franco Angeli, ISBN 9788835105626
- 38) Attanasio M. e Priulla A. (2020), Chi rimane e chi se ne va? Un'analisi statistica della mobilità universitaria dal Mezzogiorno d'Italia, in Attanasio M., Giambalvo O., Ragozini G. e Porcu M. (a cura di) *Verso Nord. Le nuove e vecchie rotte delle migrazioni universitarie*, Franco Angeli, ISBN 9788835105626
- 39) Albano A., Attanasio M. e Plaia A. (2020), Le carriere universitarie degli studenti negli atenei statali e non statali in Italia, in Attanasio M., Giambalvo O., Ragozini G. e Porcu M. (a cura di) *Verso Nord. Le nuove e vecchie rotte delle migrazioni universitarie*, Franco Angeli, ISBN 9788835105626
- 40) Muggeo, V. M. R., Torretta, F., Eilers, P. H. C., Sciandra, M., Attanasio, M. (2020). Multiple smoothing parameters selection in additive regression quantiles. *Statistical Modelling*. <https://doi.org/10.1177/1471082X20929802>
- 41) Gabriele Ruiu, Vincenzo Giuseppe Genova, Massimo Attanasio, Marco Breschi (2020), L'isola che se ne va, in Delogu M., Meleddu M. (a cura di), *Riflessioni trasversale sopra il capitale umano*, Forum, Udine, 105-112. ISBN: 978-88-3283-240-2
- 42) Attanasio M., Aiello F. e Priulla A. (2020), Gli studenti stranieri negli atenei italiani: un'analisi statistica dell'ultimo decennio. In *Migrazioni in Sicilia 2019* - ISBN:9788857569857
- 43) Stefano A., Gioè M, Russo G, Attanasio M. *et al.* (2020), Performance of Radiomics Features in the Quantification of Idiopathic Pulmonary Fibrosis from HRCT, *Diagnostics* **2020**, 10(5), 306; <https://doi.org/10.3390/diagnostics10050306>
- 44) Attanasio M., Enea M., Genova V.G., (2020). Analisi della predittività dei test d'accesso per Economia. In: Il test di ingresso: valenza predittiva e rilevanza nei percorsi di orientamento universitario. Le attività del CISIA al servizio degli Atenei. Consorzio interuniversitario Sistemi integrati per l'accesso, ISBN: 9788894356717
- 45) Cabibbo G., Celsa C., Enea M., Battaglia S., Rizzo G.E.M., Grimaudo S., Attanasio M. et al. (2020), Optimizing sequential systemic therapies for advanced hepatocellular carcinoma: A decision analysis. *Cancers*, 12(8), 1-16.

- 46) Attanasio M., Porcu M. (2021). I grandi Numeri dell'istruzione secondaria e terziaria, (a cura di) Billari F.C., Tomassini C. In *Rapporto sulla popolazione. L'Italia e le sfide della demografia*. 163 – 184. Bologna, Il Mulino. ISBN: 978-88-15-29209-4.
- 47) Attanasio M. (2021) La scuola è uguale per tutti? Alcune riflessioni sull'istruzione in Italia a 55 anni dalla Scuola di Barbiana. - ISBN:978-8894081312. In VARCHI - ISSN: 2532-8875 vol. 24.
- 48) Cuntrera D., Falco V., Attanasio M (2021). Women's career discrimination in the Italian Academia in the last 20 years.. In C. Perna, N. Salvati, & Schirripa Spagnolo F. (a cura di), Book of Short Papers SIS 2021 (pp. 1493-1498). Pearson. ISBN: 9788891927361
- 49) Priulla, A., D'Angelo, N. & Attanasio, M. (2021), An analysis of Italian university students' performance through segmented regression models: gender differences in STEM courses. *Genus* 77, 11. <https://doi.org/10.1186/s41118-021-00118-6>
- 50) Rizzi, L., Grasseti, L. & Attanasio, M. (2021) Moving from North to North: how are the students' university flows? *Genus* 77, 8. doi 10.1186/s41118-021-00116-8.
- 51) Genova V. G., Tumminello M., Aiello F., Attanasio M. (2021), A network analysis of student mobility patterns from high school to master's, *Statistical Methods & applications*, doi 10.1007/s10260-021-00592-4
- 52) Zuccaro V., Celsa C., Attanasio M. et al. (2021), Competing-risk analysis of coronavirus disease 2019 in-hospital mortality in a Northern Italian centre from SMAtteo COvid19 Registry (SMACORE), *Nature Research, J Scientific Reports* (11)1, doi 10.1038/s41598-020-80679-2
- 53) Campisi G., Buttacavoli F., Attanasio M.; Milioto M.; Radosti S., Amato S., Panzarella, V. (2023) Gender and Sex in Medical Practice: An Exploratory Study on Knowledge, Behavior, and Attitude among Sicilian Physicians. *Int. J. Environ. Res. Public Health*, 20, 827. <https://doi.org/10.3390/ijerph20010827>
- 54) Attanasio M, Aiello F, Tinè F (2023) A statistical method for removing unbalanced trials with multiple covariates in meta-analysis. *PLoS ONE* 18(12): e0295332. <https://doi.org/10.1371/journal.pone.0295332>
- 55) Priulla, A., & Attanasio, M. (2023). Unveiling gender disparities in university pathways: insights from Italy's master's level. *European Journal of Higher Education*, 14(4), 574–597. <https://doi.org/10.1080/21568235.2023.2247189>
- 56) Priulla, A., Vittorietti, M., Attanasio, M. (2023) “Does taking additional Maths classes in high school affect academic outcomes? *Socio-Economic planning Sciences*: 89. <https://doi.org/10.1016/j.seps.2023.101674>
- 57) Genova, V.G., Attanasio, M., Enea, M. (2024). The Predictivity of Access Tests for University Success. In Cristina Davino, Francesco Palumbo, Adalbert F. X. Wilhelm, Hans A. Kestler (a cura di), *Recent Trends and Future Challenges in Learning from Data* (pp. 21-31). Springer [10.1007/978-3-031-54468-2_3].
- 58) Genova, V.G., Ruiu, G., Attanasio, M., Ermacora, M., Breschi, M. (2024). Student mobility in Southern Italy: An empirical analysis of preferential patterns. *Genus*, 80(1) [doi 10.1186/s41118-024-00225-0].
- 59) Priulla A., Albano A., D'Angelo N., Attanasio M. (2025). Predicting university enrollment choices in Italy: a machine learning analysis of high school background and gender differences. *Higher Education* [doi 10.1007/s10734-025-01424-0]