

## Curriculum Vitae Nicola Orsini

**Birth data:**

**Citizenship:** Italy and Sweden

**Working Address:** Department of Global Public Health, Karolinska Institutet

**Email:** [nicola.orsini@ki.se](mailto:nicola.orsini@ki.se) **Phone:** +46 8 7461 2000

**Doctoral degree (date, discipline/subject area, dissertation title, and supervisor)**

2008-11-28 PhD in Epidemiology, Institute of Environmental Medicine, Karolinska Institutet. *Supervisor:* Professor Alicja Wolk, IMM, Karolinska Institutet. *Co-supervisors:* Professor of Statistical Computing, Pagano Marcello, Dept. of Biostatistics, Harvard School of Public Health. Professor Statistics, Bellocco Rino, MEB, Karolinska Institutet.

**Postdoctoral work (year and position)**

Jan 2009- Aug 2010 Postdoc at KI and Postdoctoral work with Professor of Statistics and Professor of Epidemiology Sander Greenland, Departments of Epidemiology and Statistics, University of California, USA.

**Docent level competence**

From Sept-2011 Associate Professor ("Docent") of Medical Statistics, Karolinska Institutet

**Current position**

Jan-2016-present Principle Researcher in Biostatistics, Department of Global Public Health, Karolinska Institutet. Head of the Biostatistics Team.

**Selected academic distinctions and other merits**

2017/2023 *Highly Cited Researcher*. In recognition of ranking among the top 1% of researchers for most cited documents in the field of Social Sciences worldwide. Clarivate Analytics, Web of Science.  
2017 Selected *Ikerbasque Research Professor*, The Basque Foundation for Science, Bilbao, Spain.  
2012-2014 *Young Scholar Awards* from the Karolinska Institutet's Strategic Program in Epidemiology.  
2009 *Torgny Wännström Prize* for the best doctoral thesis in Sweden in the medical field of public health and/or work-related health or illness.

**Bibliometric parameters**

A total of **214 publications**. A total of **22,918 citations**.

Ranking among the **top 1%** of researchers for most cited documents in the field of Social Sciences (Years 2017-2022, Clarivate Analytics, Web of Science).

**H-index is 78** (i.e. 78 papers cited 78 times or more).

**i10-index is 172** (i.e. 172 papers with at least 10 citations).

Updated data available from Google Scholar at <http://goo.gl/7A3lf>

**Commissions of trust**

2019- Steering Group of the Doctoral Program in Epidemiology at KI  
2016- Steering Group of the Master Program in Public Health at KI  
2019- Doctoral Admission Board of the Department of Global Public Health, KI  
2020- *Advisory Board* of Cochrane Sweden  
2020- Elected Member of the *Society of Research Synthesis Methodology*  
2024- *External Advisory Board* of the Center of Excellence on Impacts of Climate Extremes

**Pedagogical activities and supervision of students**

Project leadership for research leaders, Karolinska Institutet (1 week in 2014).  
 Basic course in Education for University Teachers, LIME, Karolinska Institutet (3 weeks in 2009).  
 Communication and Learning, LIME, Karolinska Institutet (2 weeks in 2009).  
 Doctoral supervision course, LIME, Karolinska Institutet (1 week in 2010).  
 Main supervisor of doctoral students (all statisticians): 3 completed and 1 on-going  
 Main supervisor of postdoctoral student (statistician): 1 completed  
 Main supervisor of master students: 4 completed  
 Co-supervisor of doctoral students: 7 completed  
 Co-supervisor of doctoral students: 9 on-going

**Teaching**

Course Director from spring 2017 of both "Biostatistics I" and "Biostatistics II" (5+5 weeks) in the "Master Program in Public Health", Karolinska Institutet.  
 Course Director from fall 2021 of "Fundamentals of Stata language" in the "Doctoral Program in Epidemiology", Karolinska Institutet.  
 Course Director from fall 2021 of "Fundamentals of using Python in Health Related Research" in the "Doctoral Program in Epidemiology", Karolinska Institutet.  
 Course Director from fall 2014 of "Biostatistics II: Logistic regression for epidemiologists" in the "Doctoral Program in Epidemiology", Karolinska Institutet.

**Grants**

- 2017 European Food Safety Authority (GP/EFSA/AFSCO/2017/01- Partnering Grants. Dose-response relationships in health risk assessment of nutritional and toxicological factors in food: development and application of novel biostatistical methods. 100,000 EUR (co-financed 50%).
- 2014 Awarded funds for partial (50%) financing of new post-doctoral fellow in biostatistics by the Karolinska Institutet's Strategic Program in Epidemiology. Approximately 800,000 SEK.
- 2013 Awarded faculty funds for partial (50%) financing of new doctoral student (KID-funding). Novel methods for pooling dose-response associations between diet and cancer. Approximately 1,000,000 SEK.
- 2012 Development of novel procedures in epidemiology: A percentiles-based approach to analyse continuous outcomes. Young Scholar Award from the Karolinska Institutet's Strategic Program in Epidemiology. (400,000 SEK per year for 2+2 years) 1,600,000 SEK

**Referee for scientific journals**

Conducting peer reviews for several scientific journals: *Research Synthesis Methods*, *Statistics in Medicine*, *Stata Journal*, *Preventive Medicine*, *International Journal of Cancer*, *Scandinavian Journal of Public Health*, *Medical Oncology*, *International Journal of Environmental Research and Public Health*, *PloS One*, *Research Synthesis Methods*, *American Journal of Epidemiology*, *International Journal of Epidemiology*, *Epidemiology*.

**Academic activities related to Stata statistical software****A. Author of 11 Papers on *Stata Journal***

The *Stata Journal* has a five-year impact factor of 5.880, ranking 6 out of 53 in the Social Sciences, Mathematical Methods category and 7 out of 125 in Statistics and Probability. <https://www.stata-journal.com/>

1. **Orsini, N.** Weighted mixed-effects dose-response models for tables of correlated contrasts. *Stata J.* 2021, Vol.21 (2), pp. 320-347.
2. **Bottai M, Orsini N** qmodel: A command for estimating parametric quantile models. *Stata J.* Volume 2 (2019): pp. 261-293.
3. **Discacciati A, Orsini N, Greenland S.** Approximate Bayesian logistic regression via penalized likelihood estimation with data augmentation. *Stata J.* 2015. Volume 15 Number 3: pp. 712- 736.
4. **Bottai M, Orsini N** A command for Laplace regression. *Stata J.* 2013. Vol. 13, Nr.2. pp. 302- 314.
5. **Orsini N, Bellocco R, Sjölander A.** Doubly robust estimation in Generalized Linear Models. *Stata J.* 2013. Vol. 13, Nr.1. pp. 185-205.
6. **Orsini N, Bottai M.** Logistic quantile regression in Stata. *Stata J.* 2011. Volume 11 Number 3: pp. 327-344.
7. **Orsini N, Greenland S.** A procedure to tabulate and plot results after flexible modeling of a quantitative covariate. *Stata J.* 2011. Vol. 11, Number 1, pp. 1–29.
8. **Orsini N, Bellocco R., Bottai M., Wolk A., Greenland S.** A tool for deterministic and probabilistic sensitivity analysis of epidemiologic studies, *Stata J.* 2008. 8(1), pp.29-48.
9. **Orsini N, Bellocco R, Greenland S.** Generalized least squares for trend estimation of summarized dose-response data. *Stata J.* 2006;6(1):40-57.
10. **Orsini N., Rizzuto D., Nante N.** Introduction to game-theoretic calculations. *Stata J.* 2005, 5, 355-370.
11. **Bottai M., Orsini N.** Confidence intervals for the variance component of a random-intercept linear model. *Stata J.* 2004, 4: 429-435.

**B. Teacher of 17 doctoral courses taught at the International Ph.D. in management, Sant'Anna School of Advanced Studies of Pisa, Pisa, Italy.**

51 full-time days (9:00-17:00). A total of 357 hours.

1. April 6-10, 2022
2. April 15-18, 2019
3. June 12-15, 2018
4. April 10-13, 2017
5. March 29-April 1, 2016
6. April 7-10, 2015
7. April 14-17, 2014
8. April 2-5, 2013
9. April 12-13, 2012
10. April 10-11, 2012
11. December 20-21, 2010
12. December 16-17, 2010
13. January 13-14, 2010
14. January 11-12, 2010
15. April 6-7, 2009 11
16. December 17-19, 2008
17. January 17-18, 2008

The learning outcomes of the above doctoral courses were related to Stata software.

**C. Developer of 20 Stata commands**

I developed over 20 statistical software components for Stata software freely downloadable from a large archive created by Boston College Department of Economics, USA. Total file downloads: 6,689. Total abstract views: 38,641  
<https://logec.repec.org/RAS/por11.htm>

**D. Organizer and Chair of 10 International Stata meetings**

1st (26-Sept-2005), 2nd (7-sept-2007), 3rd (18-sept-2009), 4th (11-Nov- 2011), 5th (27-Sep-2013), 6th (4-Sep-2015), 7th(1-sep-2017), 8<sup>th</sup> (30-Aug-2019), 9<sup>th</sup> (3-Sep-2021), and 10<sup>th</sup> (1-Sep-2023) Nordic and Baltic Stata Users Group meeting, Stockholm, Sweden.  
<https://www.stata.com/meeting/proceedings/>