Prot. n. 0003522 del 22/02/2022 - [UOR: SI000010 - Classif. VIII/6]

Nicola Orsini

Curriculum Vitae

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

2008-11-28 PhD in Epidemiology, Institute of Environmental Medicine, Karolinska Institutet. Physical activity and health benefits. *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, KI

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 Senior Researcher in Biostatistics, Department of Public Health Sciences, Karolinska Institutet. Head of the Biostatistics Team.

Selected academic distinctions and other merits

2017(1)2021 *Highly Cited Researcher*. In recogniton 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 **188 publications** (100 over the last 6 years). A total of **17,633 citations**.
Ranking among the **top 1%** of researchers for most cited documents in the field of Social Sciences (Years 2017-2020, Clarivate Analytics, Web of Science).
H-index is 66 (i.e. 66 papers cited 66 times or more).
i10-index is 150 (i.e. 150 papers with at least 10 citations).
Updated data available from Google Scholar at http://goo.gl/7A3lf

Editorial board

International Journal of Environmental Research and Public Health

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*

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

Main supervisor of postdoctoral student (statistician): 1 completed

Co-supervisor of doctoral students: 7 completed

Co-supervisor of doctoral students: 10 on-going

Teaching

Faculty member (since 2004) of the international "*Summer School of Modern Methods on Biostatistics and Epidemiology*" organized by Professors from Harvard University and Karolinska Institutet in Italy.

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.

Innovation experience

I developed over 20 statistical software components for Stata® software freely downloadable from a large archive created by Boston College Department of Economics, USA. The usefulness and large need in the scientific community is documented by: total file downloads **4,810** and total abstract views **26,598.**

Referee for scientific journals

Conducting peer reviews for several scientific journals: *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*.

Activities related to Stata statistical software

A. Author of 11 Papers on *Stata Journal*

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, Sj lander 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 flexiblemodeling 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 16 doctoral courses taught at the International Ph.D. in management, Sant'Anna School of Advanced Studies of Pisa, Pisa, Italy.

47 full-time days (9:00-17:00). A total of 329 teaching hours.

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

All the above courses were about the 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: 6,288. Total abstract views: 36,275

D. Organizer and Chair of 9 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), 8th (30-Aug-2019), and 9th (3-Sep-2021) Nordic and Baltic Stata Users Group meeting, Stockholm, Sweden.