Alessio Crippa

CONTACT INFORMATION	**Department of Medical Epidemiology and Biostatistics** Karolinska Institutet Nobels vägen 12A 171 65, Solna, Sweden Work phone: +46 (0)720282766 e-mail: alessio.crippa@ki.se Institutional web page: http://ki.se/en/people/alecri Personal website: http://alecri.github.io

RESEARCH INTERESTS
: Statistics, Biostatistics, Data Science, Data Analysis, Epidemiology, R, Bayesian, Clinical Trials, Meta-Analysis, Web Development

EDUCATION

Karolinska Institutet, Stockholm (Sweden)

Ph.D, Biostatistics, April 13, 2018
- Thesis Topic: *Novel methods for dose–response meta-analysis*
- Advisors: Alicja Wolk, Prof; Matteo Bottai, Prof; Donna Spiegelman, Prof; and Nicola Orsini, Ph.D

University of Milano-Bicocca, Milan (Italy)

M.S., Biostatistics and Experimental Statistics, Jun 2013
- Topic: *Goodness of fit in dose-response meta-analysis*
- Advisors: Nicola Orsini Ph.D; Rino Bellocco, Prof; and Vincenzo Bagnardi, Ph.D

B.S., Statistics and Information Management, Jul 2011
- Topic: *Empirical Bayes Estimators for the assessment of the quality of 180 intensive care units involved in GiViTI network*
- Advisors: Guido Bertolini, Ph.D and Vincenzo Bagnardi, Ph.D

RESEARCH EXPERIENCE

Visiting Researcher   Aug 2014 to Oct 2014
Department of Biostatistics,
Harvard T.H. Chan School of Public Health
Advisors: Donna Spiegelman, Prof.

Research Assistant   Aug 2014 to May 2015
Division of Nutrional Epidemiology and Biostatistics,
Karolinksa Institutet
Advisor: Nicola Orsini, Ph.D

Visiting Researcher   Feb 2013 to Jun 2014
Division of Nutritional Epidemiology,
Karolinksa Institutet
Advisors: Nicola Orsini, Ph.D and Alicja Wolk, Prof

Research Assistant   Sept 2010 to Mar 2011
Division of Clinical Epidemiology,
Mario Negri Institute for Pharmacological Research
Advisor: Guido Bertolini, Ph.D

SELECTED PUBLICATIONS

1. **Crippa A**, Discacciati A, Bottai M, Spiegelman D, Orsini N. One-stage dose–response meta-analysis for aggregated data. Statistical Methods in Medical Research. 2018

2. **Crippa A**, Orsini N. Dose–response meta-analysis of differences in means. BMC Medical Research Methodology. 2016 Aug 2;16(1):91.

3. **Crippa A**, Khudyakov P, Wang M, Orsini N, Spiegelman D. A new measure of between-studies heterogeneity in meta-analysis. Statistics in Medicine. 2016 May 10. doi: 10.1002/sim.6980.

4. **Crippa A**, Orsini N. Multivariate dose–response meta-analysis: the dosresmeta R Package. Journal of Statistical Software, 72(1), 1-15. doi:10.18637/jss.v072.c01.

5. **Crippa A**, Discacciati A, Larsson S, Wolk A, Orsini N. Coffee consumption and mortality from all causes, cardiovascular disease, and cancer: a dose-response meta–analysis. Am J Epidemiol. 2014 Aug 24. pii: kwu194.

6. Smith AD, **Crippa A**, Woodcock J, Brage S. Physical activity and incident type 2 diabetes mellitus: a systematic review and dose–response meta-analysis of prospective cohort studies. Diabetologia 2016.

7. Vinceti M, Filippini T, **Crippa A** de Sesmaisons A, Wise LA, Orsini N. Meta-analysis of potassium intake and the risk of stroke. Journal of the American Heart Association. 2016 Oct 1;5(10):e004210.

SELECTED PRESENTATIONS	Statistical Meetings	
	• useR! 2017 Brussels	July 2017
	• XXVIIIth International Biometric Conference, Victoria	Jul 2016
	• useR! 2016 Stanford	Jun 2016
	• European Congress of Epidemiology - Healthy Living, Maastricht	Jun 2015
	• 5th Nordic-Baltic Biometric Conference, Reykjavik	Jun 2015
	• 4th Nordic-Baltic Biometric Conference, Stockholm	Jun 2013
	Seminars	
	• A not so short review on survival analysis in R, Milan	Apr 2017
	• Get started with R, Stockholm	Oct 2016

TEACHING EXPERIENCE	Teaching	Fall 2016–17 & Fall 2015–16
	Advanced Statistics in Epidemiology	
	Instructor: Nicola Orsini, Ph.D	
	Public Health Sciences, Karolinska Institutet, Sweden	
	Teaching Assistant	Fall 2016–17
	Biostatistics II	
	Instructor: Nicola Orsini, Ph.D	
	Public Health Sciences, Karolinska Institutet, Sweden	
	Teaching Assistant	Fall 2011–12
	Statistics I	
	Instructor: Paola Chiodini, Ph.D	
	Division of Statistics, University of Milan-Bicocca, Italy	

SOFTWARE SKILLS
- R free software programming language
  package developed: **dosresemeta**; **hetmeta**
  selected webapp developed: **dosresemeta**; **flexmod**; **bias**; **SRL**; **fluoride**
  reproducible research and dynamic documents in **shiny** and **knitr**
- Statistical software: R, SAS, Stata, and SPSS
- Github version control
- LaTeXand Markdown