Saverio Ranciati, Ph.D.

born in: 06/06/1988
work address: Viale Quirico Filopanti, 5
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CURRENT POSITION

- Research fellow (postdoc position) at Dipartimento di Scienze Statistiche, Università di Bologna (Italia), a.a. 2015-2018;

EDUCATION

- ⋄ *Doctorate:* joint double-degree Ph.D. at Dipartimento di Scienze Statistiche, Università di Bologna (Italia), and J.B. Institute for Mathematics and Computer Science, University of Groningen (The Netherlands); Thesis: "*Statistical modelling of spatio-temporal dependencies in NGS data*", 2016;

- ⋄ *Master's Degree:* Scienze Statistiche, Thesis: "*Latest developments in non-parametric hazard function estimation*", Dipartimento di Scienze Statistiche, Università di Bologna (Italia), 2012;

- ⋄ *Bachelor of Science:* Statistica e Informatica per la Gestione delle Imprese, Thesis: "*Analisi Fattoriale Dinamica sugli ossidi d'azoto in Umbria*", Università di Perugia (Italia), 2010.

PUBLISHED & WORKING PAPERS

- Ranciati, S., Vinciotti, V., Wit, E., (2017), "Identifying overlapping terrorist cells from the Noordin Top actor-event network", *Annals of Applied Statistics*, under review.

- Ranciati, S., Galimberti, G., Soffritti, G., (2017), "Bayesian Variable Selection in Linear Regression Models with non-normal Errors", *Statistical Methods and Applications*, submitted.

- Ranciati, S., Wit, E., Viroli, C., (2017), "Bayesian Smooth-and-Match strategy for ordinary differential equations models that are linear in the parameters", *Statistica Neerlandica*, submitted.

- Ranciati, S., Viroli, C., Wit, E., (2017), "Mixture model with multiple allocations for clustering spatially correlated observations in the analysis of ChIP-Seq data", *Biometrical Journal*, 59(6), 1301-1316.

- Ranciati, S., Viroli, C., Wit, E., (2015), "Spatio-temporal model for multiple ChIP-Seq experiments", *Statistical Applications in Genetics and Molecular Biology*, 14(2), 211-219.

RESEARCH EXPERIENCE

Visiting, Short Term Scientific Mission (STSM)   February 2017
STSM through COSTNET Action CA15109 at Department of Mathematics, Brunel University London, Uxbridge (U.K.).

Visiting PhD student   March-September 2014, March 2015

Research experience abroad at J.B. Institute for Math and Computer Science, University of Groningen, Groningen (The Netherlands);

CONFERENCES, WORKSHOPS & TALKS

- "Mixture model under overlapping clusters: an application to network data", (*contributed session*)
  COSTNET17 conference, Palma de Mallorca (Spain), October 2017;

- "Bayesian Variable Selection in Linear Regression Models with non-normal Errors", (*contributed session*)
  CLAssification and Data Analysis Group (CLADAG) 2017 conference, University of Milano-Bicocca, Milan (Italy), September 2017;

- "START Up Research" event, June 2017, Certosa di Pontignano (Siena), http://www.congressi.unisi.it/startupresearch/group-leaders/;

- "Mixture model with multiple allocations for clustering spatially correlated observations for the analysis of NGS data", (*contributed session*)
  CMS-ERCIM 2015 conference, University of London, London (UK), December 2015;

- "Mixture model with multiple allocation for clustering spatially correlated observations in gene expression data", (*invited session*)
  IFCS2015 conference, University of Bologna, Bologna (Italy), July 2015;

- "Spatio-temporal model for multiple ChIP-Seq Experiments", (*contributed session*)
  Statistical Systems Biology SSB 2014 workshop, University of Warwick, Coventry (UK), December 2014;

- "Modelling multiple ChIP-seq experiments via a markov random field model with spatio-temporal dependencies", (*invited session*)
  CMS-ERCIM 2014 workshop, University of Pisa, Pisa (Italy), December 2014.

- "Modelling multiple ChIP-Seq experiments via a Markov Random Field model with spatio-temporal dependencies", (*contributed session*)
  CIBB 2014 workshop, University of Cambridge, Cambridge (UK), June 2014;

PEER-REVIEWING ACTIVITY

- *Computational Statistics and Data Analysis*, ISSN: 0167-9473, (December 2017)

- *Statistics and Computing*, ISSN: 1573-1375, (October 2017)

- *Journal of Royal Statistical Society: Series C*, ISSN: 1467-9876, (May 2017)

- *Statistics in Medicine*, ISSN: 1973-2201, (October 2016)

- *BMC Bioinformatics*, ISSN: 1471-2105, (September 2016)

- *Statistica*, ISSN: 1973-2201, (August 2016)

TEACHING ACTIVITY

- Adjunct Professor (1/2) in "Experimental Methodology And Data Analysis", a.y.(s) 2017-2018;

- Adjunct Professor (1/2) in "Elements of Statistics", a.y.(s) 2016-2017;

- Teaching assistant for "Statistical Inference", a.y.(s) 2014-2018;

- Teaching assistant for "Applied Statistics", a.y.(s) 2013-2017.

COMPUTER SKILLS

Languages & Software: R, C/C++, LateX, STATA, SAS, Git, PHP, MySQL, HTML, Microsoft Office Suite, AdobePhotoshop.
Operating Systems: OSX, Windows.

LANGUAGE SKILLS

Language (level): Italian (*primary*), English (*fluent*), Spanish (*midlevel*), French (*basic*).