

Studi

2002	DOTTORATO DI RICERCA IN STATISTICA, Dip.to di Scienze Statistiche, Univ. Padova (IT).
1998	LAUREA IN STATISTICA, Univ. di Roma “La Sapienza”.

Interessi di Ricerca

Stima non parametrica di curve

Modelli miscuglio

Teoria per grandi campioni

Procedure bayesiane empiriche

Stima bayesiana adattiva di curve

Problemi bayesiani inversi

Stima non parametrica di massima verosimiglianza

Pubblicazioni su Riviste Scientifiche

- **Scricciolo, C.** (2018). Bayes and maximum likelihood for L^1 -Wasserstein deconvolution of Laplace mixtures. *Statistical Methods & Applications*, **27**(2), 333–362. https://link.springer.com/article/10.1007/s10260-017-0400-4?wt_mc=alerts.TOCjournals&utm_source=toc&utm_medium=email&utm_content=10260&utm_campaign=#citeas
- Donnet, S., Rivoirard, V., Rousseau, J., **Scricciolo, C.** (2018). Posterior concentration rates for empirical Bayes procedures with applications to Dirichlet process mixtures. *Bernoulli*, **24**(1), 231–256. <http://projecteuclid.org/euclid.bj/1501142441>
- Donnet, S., Rivoirard, V., Rousseau, J., **Scricciolo, C.** (2017). Posterior concentration rates for counting processes with Aalen multiplicative intensities. *Bayesian Analysis*, **12**(1), 53–87. <https://projecteuclid.org/euclid.ba/1451333725>
- **Scricciolo, C.** (2015). Empirical Bayes conditional density estimation. *STATISTICA*, **LXXV**(1), 37–55. <http://rivista-statistica.unibo.it/article/view/5822/0>
- **Scricciolo, C.** (2015). Bayesian adaptation. *Journal of Statistical Planning and Inference*, **166**, 87–101. <http://authors.elsevier.com/a/1RcN11M25x-3Ky>
- Petrone, S., Rizzelli, S., Rousseau, J., **Scricciolo, C.** (2014). Empirical Bayes methods in classical and Bayesian inference. *METRON*, **72**(2), 201–215. <http://link.springer.com/article/10.1007/s40300-014-0044-1>
- **Scricciolo, C.** (2014). Adaptive Bayesian density estimation in L^p -metrics with Pitman-Yor or normalized inverse-Gaussian process kernel mixtures. *Bayesian Analysis*, **9**(2), 475–520. http://projecteuclid.org/download/pdfview_1/euclid.ba/1401148317
- Petrone, S., Rousseau, J., **Scricciolo, C.** (2014). Bayes and empirical Bayes: do they merge? *Biometrika*, **101**(2), 285–302. Supplementary material for “Bayes and empirical Bayes: do they merge?” *Biometrika*, 1–8. <http://biomet.oxfordjournals.org/content/early/2014/04/09/biomet.ast067.abstract>
- **Scricciolo, C.** (2011). Posterior rates of convergence for Dirichlet mixtures of exponential power densities. *Electronic Journal of Statistics*, **5**, 270–308. https://projecteuclid.org/download/pdfview_1/euclid.ejs/1303996031
- **Scricciolo, C.** (2008). A note on Bayesian nonparametric regression function estimation. *Statistical Methods & Applications*, **17**(3), 321–334. <http://link.springer.com/article/10.1007%2Fs10260-007-0064-6>
- **Scricciolo, C.** (2007). On rates of convergence for Bayesian density estimation. *Scandinavian Journal of Statistics*, **34**(3), 626–642. <http://onlinelibrary.wiley.com/doi/10.1111/j.1467-9469.2006.00540.x/abstract>
- **Scricciolo, C.** (2006). Convergence rates for Bayesian density estimation of infinite-dimensional exponential families. *The Annals of Statistics*, **34**(6), 2897–2920. https://projecteuclid.org/download/pdfview_1/euclid.aos/1179935069
- **Scricciolo, C.** (1999). Probability matching priors: a review. *Journal of the Italian Statistical Society*, **8**(1), 83–100. <http://link.springer.com/article/10.1007%2Fbf03178943>

Capitoli di Libro

- **Scricciolo, C.** (2019). Bayesian Kantorovich Deconvolution in Finite Mixture Models. In: Petrucci A., Racioppi F., Verde R. (eds) *New Statistical Developments in Data Science. SIS 2017. Springer Proceedings in Mathematics & Statistics*, vol 288. Springer, Cham, pp. 119-134. https://doi.org/10.1007/978-3-030-21158-5_10
- **Scricciolo, C.** (2016). Rates for Bayesian Estimation of Location-Scale Mixtures of Super-Smooth Densities. In: Alleva G., Giommi A. (eds) *Topics in Theoretical and Applied Statistics. Studies in Theoretical and Applied Statistics*. Springer, Cham, pp. 49-57. https://doi.org/10.1007/978-3-319-27274-0_5
- Rousseau, J., Salomond, J.-B., **Scricciolo, C.** (2014). On some aspects of the asymptotic properties of Bayesian approaches in nonparametric and semiparametric models. *ESAIM: Proc.* **01/2014**, **44**, *Journées MAS 2012*, 159–171. <http://www.esaim-proc.org/articles/proc/pdf/2014/01/proc144410.pdf>

Pubblicazioni con Referaggio in Atti di Convegno

- **Scricciolo, C.** (2020). Empirical Bayes estimation for mixture models. In: *Book of short papers-SIS 2020*, Pearson, pp. 667-672. ISBN 9788891910776.
- **Scricciolo, C.** (2017). Asymptotically efficient estimation in measurement error models. In: *SIS 2017. Statistics and Data Science: new challenges, new generations: 28-30 June 2017 Florence (Italy): proceedings of the Conference of the Italian Statistical Society / edited by Alessandra Petrucci, Rosanna Verde – Firenze: Firenze University Press, 2017. (Proceedings e report; 114)*, pp. 913-918. ISBN 978-88-6453-521-0.
- **Scricciolo C.** (2016). On Deconvolution of Dirichlet-Laplace Mixtures. In: *Proceedings of the 48th Scientific Meeting of the Italian Statistical Society, Atti di “SIS2016”, Università degli Studi di Salerno, June 8th–June 10th, 2016*, pp. 1-6. ISBN 9788861970618
- Donnet, S., Rivoirard, V., Rousseau, J., **Scricciolo, C.** (2014). On convergence rates of empirical Bayes procedures. Paper available at <http://www.sis2014.it/proceedings/allpapers/2918.pdf>
47th Scientific Meeting of the Italian Statistical Society, Cagliari, June 11–13, 2014, Proceedings, Editors: S. Cabras, T. Di Battista and W. Racugno. ISBN: 978-88-8467-874-4. © 2014 CUEC Cooperativa Universitaria Editrice Cagliaritano.
- **Scricciolo, C.** (2012). Rates for Bayesian estimation of location-scale mixtures of super-smooth densities. *Proceedings of the XLVI Scientific Meeting of the Italian Statistical Society, Rome, 20–22 June 2012*. Paper available at <http://meetings.sis-statistica.org/index.php/sm/sm2012/paper/viewFile/2230/110>
ISBN 9788861298828.
Extended version accepted for publication in the Springer Volume of the 46th Scientific Meeting of the Italian Statistical Society, Rome, 20–22 June 2012. Springer Volume of the International Series “Studies in Theoretical and Applied Statistics”.
- **Scricciolo, C.** (2007). A note on Bayesian density estimation. *Proceedings of the Intermediate Scientific Meeting of the Italian Statistical Society–Risk and Prediction, Venice, 6–8 June 2007*, pp. 579–580. Cleup-Padova. ISBN 9788861290938.
- **Scricciolo, C.** (2006). On Bayesian adaptive regression function estimation. *Proceedings of the XLIII Scientific Meeting of the Italian Statistical Society, Turin, 14–16 June 2006*, pp. 47–50, Cleup-Padova, ISBN 8871787919.
- **Scricciolo, C.** (2004). Asymptotic issues for Bayesian histograms. *Proceedings of the XLII Scientific Meeting of the Italian Statistical Society, Bari, 9–11 June 2004*, pp. 405–408. Cleup-Padova, ISBN 8871780345.

Pubblicazioni senza Referaggio in Atti di Convegno

- **Scricciolo, C.** (2009). Rates of convergence for Bayes estimators of mixtures of exponential power densities. In *S.Co.2009 Sixth Conference, Proceedings, Milan, 14–16 September 2009*, pp. 399–404. Maggioli Editore, ISBN 8838743851.
- **Scricciolo, C.** (2007). On a sub-optimality conjecture. In *S.Co.2007 Fifth Conference, Book of short papers, Venice, 6–8 September 2007*, pp. 457–462. Cleup-Padova, ISBN 9788861291140.
- **Scricciolo, C.** (2005). On Bayesian nonparametric regression function estimation. In *S.Co.2005 Fourth Conference, Book of short papers, Brixen, Italy, 15–17 September 2005*, pp. 413–418. Cleup-Padova.

Altre Attività Accademiche

➤ **ATTIVITÀ EDITORIALE**

EDITORE ASSOCIATO PER *Statistics and Probability Letters* (dal 01/11/2014)

EDITORE ASSOCIATO PER *Sankhya Series A, Math. Stat. and Prob.* (dal 01/01/2016)

➤ **ATTIVITÀ DI REFERAGGIO**

ESAIM Probability & Statistics (2012); *The Annals of Statistics* (2010, 2011, 2012, 2013a, 2013b, 2014, 2015, 2016); *Bernoulli* (2005, 2015, 2017, 2021); *Electronic Journal of Statistics* (2008, 2010, 2012, 2013, 2014, 2016, 2018, 2020); *Journal of Statistical Planning and Inference* (2016); *Test* (2008); *Annales de l'Institut Henri Poincaré* (2009); *Annales de l'I.S.U.P.* (2003); *STATISTICA* (2015, 2017)

➤ **MEMBRO DI COMMISSIONI DI LAUREA E DOTTORATO**

- Membro della commissione per l'esame finale di dottorato presso Université Paris-Dauphine, 17 ott 2011. Candidato S. Khazaei. Relatrice Prof.ssa J. Rousseau
- Correlatrice della tesi di M.Sc. di S. Rizzelli, A.A. 2012/2013, Univ. Bocconi. Relatrice: Prof.ssa S. Petrone

➤ **MEMBRO DI COMITATI INTERNAZIONALI**

- 2015 Bayesian Nonparametrics (BNP) Section: Nominating Committee Member
- 2011, 2015 ISBA Savage Award Committee Member for the Best Doctoral Dissertations in Bayesian Econometrics and Statistics

➤ **ATTIVITÀ DI SERVIZIO**

- Membro della commissione di valutazione per un assegno di ricerca triennale AdR 2019, Selezione AdR3266/19 per il conferimento di un assegno di ricerca sulla base di un progetto
- Componente della Commissione Paritetica Docenti Studenti (CPDS), Scuola di Economia e Management, Univ. Verona (IT), 2016–
- Membro del Collegio Docenti del PhD in Statistics, Univ. Bocconi (2007–2011, 2014–2015)
- Membro del Consiglio di Facoltà in qualità di Rappresentante degli Assistant Professor del DEC, Univ. Bocconi (2007–2011)
- Responsabile DEC Working Paper Series, Univ. Bocconi (2009)

➤ **ATTIVITÀ ORGANIZZATIVE**

- Organizzazione di uno *Short Course on Model Selection*, tenuto dalla Prof.ssa G. Claeskens, K.U. Leuven, Belgium, 19 maggio 2011, PhD Program in Statistics, Univ. Bocconi
- Organizzatore e Chairperson della Specialized Session *Bayesian Nonparametrics* allo S.Co. 2011, Padova, 19–21 settembre 2011
- Organizzatore dei seguenti seminari presso Univ. Verona (IT):
 - ✓ Eric Gautier, Univ. Toulouse 1 Capitole (FR)
 - ✓ Anna Simoni, CREST and CNRS-Paris (FR)
 - ✓ Ghislaine Gayraud, Université de Technologie de Compiègne (FR)
 - ✓ Vincent Rivoirard, Université Paris–Dauphine (FR)
 - ✓ Natalia Bochkina, Univ. of Edinburgh (UK)

Affiliazione a Società Scientifiche

- *International Society for Bayesian Analysis (ISBA)* dal 2009
- *Società Italiana di Statistica (SIS)* dal 2004
- *Unione Matematica Italiana (UMI)* dal 2020

Verona, 16 Marzo 2021

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