

## Christian Hennig

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**Mini-Bio:** Professor at the University of Bologna since November 2018. Hennig’s research interests are cluster analysis, multivariate data analysis incl. classification and data visualisation, robust statistics, foundations and philosophy of statistics, statistical modelling and applications. He was Senior Lecturer in Statistics at UCL, London, 2005-2018. Hennig studied Mathematics in Hamburg and Statistics in Dortmund. He was promoted at the University of Hamburg in 1997 and habilitated in 2005. In 2017 Hennig got his Italian habilitation. After having obtained his PhD, he worked as research assistant and lecturer at the University of Hamburg and ETH Zuerich.

### SELECTED PUBLICATIONS:

- Hennig, C., (2022). An empirical comparison and characterisation of nine popular clustering methods. *Advances in Data Analysis and Classification* 16, pp. 201 – 229 [Scientific article]
- Hausdorf, B.; Hennig C. (2020). Species delimitation and geography. *Molecular Ecology Resources*, 20, pp. 950 - 960 [Scientific article]
- van Dongen N.N.N.; van Doorn J.B.; Gronau Q.F.; van Ravenzwaaij D.; Hoekstra R.; Haucke M.N.; Lakens D.; Hennig C.; Morey R.D.; Homer S.; Gelman A.; Sprenger J.; Wagenmakers E.-J. (2019). Multiple Perspectives on Inference for Two Simple Statistical Scenarios. *The American Statistician*, 73, pp. 328 - 339 [Scientific article]
- Gelman, A.; Hennig, C. (2017). Beyond subjective and objective in statistics. *Journal of the Royal Statistical Society. Series A. Statistics in Society*, 2017, 180, pp. 967 - 1033 (with discussion) [Scientific article] [Free version on RSS website.](#)
- Coretto P; Hennig C. (2016). Robust Improper Maximum Likelihood: Tuning, Computation, and a Comparison With Other Methods for Robust Gaussian Clustering. *Journal of the American Statistical Association*, 111, pp. 1648 - 1659 [Scientific article]
- Hennig C. What are the true clusters?. (2015). *Pattern Recognition Letters*, 64, pp. 53 - 62 [Scientific article]
- Hennig C.; Meila M.; Murtagh F.; Rocci R. (2015). *Handbook of Cluster Analysis*, Boca Raton, CRC Press, pp. 753 . [Research monograph]
- Hennig C. (2010). Mathematical Models and Reality - a Constructivist Perspective. *Foundations of Science*, 15, pp. 29 - 49 [Scientific article] ([pdf](#))
- Hennig C. (2009). A Constructivist View of the Statistical Quantification of Evidence. *Constructivist Foundations*, 5. <http://www.univie.ac.at/constructivism/journal/5/1/039.hennig> [Scientific article]
- Hennig C. (2007). Falsification of propensity models by statistical tests and the goodness-of-fit paradox. *Philosophia Mathematica*, 15, pp. 166 - 192 [Scientific article]