Luca Scrucca

Selected publications

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- *Model-based SIR for dimension reduction* (2011) **Computational Statistics & Data Analysis**, Vol. 55 (11), pp. 3010-3026.
- *A Geometric Approach to Subset Selection and Sparse Sufficient Dimension Reduction* (2011). In **New Perspectives in Statistical Modeling and Data Analysis**, editors Ingrassia S., Rocci R., Vichi M., Springer-Verlag, Berlin Heidelberg, pp. 569-576.
- *Dimension Reduction for Model-Based Clustering* (2010). **Statistics and Computing**, 20 (4) pp. 471-484.
- *Point Estimation Methods with Applications to Item Response Theory Models* (2010) (in collaboration with F. Bartolucci). In: Penelope Peterson, Eva Baker, Barry McGaw (editors) **The International Encyclopedia of Education**, 3rd edition, volume 7, pp. 366–373. Oxford: Elsevier.
- *Visualization of model-based clustering structures* (2010). In **Data Analysis and Classification**, editors Palumbo F., Lauro C., Greenacre M., Berlin, Springer-Verlag, pp. 67-75.
- *Regression Modeling of Competing Risk Using R: An In Depth Guide for Clinicians* (2010) (in collaboration with Antonella Santucci, Franco Aversa, Dipartimento di Medicina Clinica e Sperimentale, Università degli Studi di Perugia). **Bone Marrow Transplantation**, 45, 1388-1395.
- *Class prediction and gene selection for DNA microarrays using sliced inverse regression* (2007). **Computational Statistics & Data Analysis**, Vol. 52, pp. 438–451.
- *Competing risks analysis using R: an easy guide for clinicians* (in collaboration with Antonella Santucci and Franco Aversa, Hematology and Clinical Immunology Section, Department of Clinical and Experimental Medicine, University of Perugia, Perugia, Italy) **Bone Marrow Transplantation** (2007) 40, 381–387.
- *Regularized sliced inverse regression with applications in classification* (2006). In **Data Analysis, Classification and the Forward Search**, editors Zani S., Cerioli A., Riani M., Vichi M., Berlin, Springer-Verlag, pp. 59–66.
- *qcc: an R package for quality control charting and statistical process control*, **R News**, The Newsletter of the R Project, Vol. 4/1, June 2004, 11–17. `[http://cran.r-project.org/doc/Rnews]`
- *A Simulation Study to Investigate the Behavior of the Log-density Ratio Under Normality* (2004) (with Sanford Weisberg, University of Minnesota). **Communications in Statistics (simulation and computation)**, Vol. 33(1), 159–178.
- *Graphics for Studying Logistic Regression Models* (2002). **Statistical Methods & Applications**, Vol. 11(3), 371–394.
- *Nonparametric Kernel Smoothing Methods. The sm library for Xlisp-Stat* (2001). **Journal of Statistical Software**, Vol. 6. `[http://www.jstatsoft.org/v06/i07]`
- *A Review and Computer Code for Assessing the Structural Dimension of a Regression Model: Uncorrelated 2D Views* (2001). **Computational Statistics & Data Analysis**, Vol. 36(2), pp. 163–177.

- *Assessing Multivariate Normality through Interactive Dynamic Graphics* (2000). **Quaderni di Statistica**, 2, pp. 221–240.