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# Julien JACQUES

PhD in Statistics

Full Professor - University of Lyon - Lumière, France

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Date of birth: October 24 1977

Citizenship: French. Marital Status: Married, 3 children.

E-mail: [julien.jacques@univ-lyon2.fr](mailto:julien.jacques@univ-lyon2.fr)

Web: <http://eric.univ-lyon2.fr/~jjacques/>

Laboratoire ERIC, Université de Lyon - Lumière

5 avenue Pierre Mendès France, 69676 Bron cedex, FRANCE

Tél : 00 33 478 772 609 - Fax : 033 478 772 375

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## Education and diploma

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| 2014 | <b>Full Professor</b> , Université de Lyon - Lumière.<br>Head of the Data Mining & Decision team of ERIC lab.<br>Head of the Data Mining Master. |
| 2006 | <b>Associate Professor</b> , University Lille 1.   |
| 2005 | <b>PhD in Statistics</b> , University Grenoble 1, France.  |

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## Research fields

- Statistical Learning,
- Classification and clustering,
- Complex data: categorical, ranking, functional, ordinal,
- Regression in high dimension,
- Transfer Learning,
- Applications in social science and biology.

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## Publications

Author/co-author of 28 publications, 64 oral communications, 2 book chapters and 7 R packages (h index=14, 940 citations). List of 5 recent publications:

- [1] Biernacki C. and Jacques J. *Model-based clustering of multivariate ordinal data relying on a stochastic binary search algorithm*, Statistics and Computing, 26 [5], 929-943, 2016.
- [2] Bouveyron C., Côme E. and Jacques J. *The discriminative functional mixture model for the analysis of bike sharing systems*, Annals of Applied Statistics, 9[4], 1726-1760, 2015.
- [3] Jacques J. and Preda C. *Model-based clustering for multivariate functional data*, Computational Statistics and Data Analysis, 71, 92-106, 2014.
- [4] Yengo, L., Jacques J. and Biernacki, C. *Variable clustering in high dimensional linear regression*, Journal of the French Statistical Society, 155[2], 38-56, 2014.
- [5] Biernacki C. and Jacques J. *A generative model for rank data based on sorting algorithm*, Computational Statistics and Data Analysis, 58, 162-176, 2013.

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## PhD supervision

- M. Seloisse (2017-2020): Co-clustering for heterogeneous data.
- A. Schmutz (2016-2019): Research for analysis parameters of athlete horse locomotion.
- K. Nagbe (2015-2018): Prediction of production and consumption of renewable energy.
- Y. Ben Slimen (2015-2018): Knowledge discovery for big data applied to the automatic management of radio networks.
- Former PhD students: Q. Grimonprez (2016, *Kernel change-point detection for high-dimensional data*); L. Yengo (2014, *Classification and variable selection in regression*); F. Loingeville (2013, *Statistical tools for quality control*); J. Hamon (2013, *Analysis of genomic data*).