Mamadou Lamine DIOP

Postdoctoral in Statistics

Université Gaston Berger de Saint-Louis (UGB), Sénégal

Professional address : LERSTAD, Université Gaston Berger de Saint-Louis, Sénégal
Phone : 00221 77 509 49 60
Email: diopml@yahoo.fr ; diopml83@gmail.com

Personal data
Birth: 1983, Diourbel, Sénégal; Languages: French, English

CURRENT POSITION

2016 - $\cdots$: Postdoctoral, Université Gaston Berger de Saint-Louis, Sénégal
Research at LERSTAD (UGB)

EDUCATION

- 2011 - 2016: PhD in Statistics, Université Gaston Berger de Saint-Louis, Sénégal
  Advisor: Prof. Aliou DIOP, Abdou Kâ DIONGUE (Université Gaston Berger de Saint-Louis, Sénégal) and William KENGNE (Université de Cergy-Pontoise, France).
  Title: Contribution to the modeling of the integer-valued time series.
- 2009-2010: Masters in Applied Statistics, Université Gaston Berger de Saint-Louis, Sénégal.
- 2008-2009: Masters in Applied Mathematics, Université Gaston Berger de Saint-Louis, Sénégal.
- 2005-2008: Licence in Applied Mathematics, Université Gaston Berger de Saint-Louis, Sénégal.

TEACHING EXPERIENCE

- 2011 -2017: part-time teacher, Université Gaston Berger de Saint-Louis: Probability Theory, Statistics theory, survey technique, Sampling theory, Mathematical analysis, Topology, Introduction to the R software, ...

RESEARCH INTERESTS

Time series of counts, Change-point detection, causal processes, mixture models.

PAPERS

■ **Published papers**

- Diop, M.-L., Diop, A. and Diongue, A.-K. A mixture integer-valued GARCH model. *Revstat Statistical Journal, 14 (3)*, (2016), 245-271.
- Diop, M.-L. and Kengne W. Testing for parameter change in general integer-valued time series. *Journal of Time Series Analysis, 38 (6)*, (2017), 880-894.
- Diop, M.-L., Diop, A. and Diongue, A.-K. A negative binomial mixture integer-valued GARCH model. *Afrika Statistika, 13 (2)*, (2018), 1643-1662.

■ **Preprints**

- Diop, M.-L. and Kengne W. Piecewise autoregression for general integer-valued time series.

CONFERENCE WITH PRESENTATION

- July. 2017: 61st World Statistics Congress ISI Marrakech, Morocco.
- April. 2016: CIMPA Schools on "Extreme Risk and Applications", Université Gaston Berger de Saint-Louis, Sénégal.