

Curriculum Vitae

Dr. Louiza SOLTANE

Personal Information

- **Full Name** : Louiza Soltane
- **Birthday**: April 18, 1987. Sidi Okba, Biskra, Algeria
- **Address** : Laboratory of Applied Mathematics, Mohamed Khider University, Biskra, PO Box 145 RP, 07000 Biskra, Algeria
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Education

- February 2017 Doctor in Statistics at Mohamed Khider University, Biskra, Algeria
Thesis title : Analyse des valeurs extrêmes en présence de censure (Supervisor : Prof. D. Meraghni).
- June 2011 Master in Probability and Statistics at Mohamed Khider University, Biskra, Algeria (Supervisor : Prof. D. Meraghni).
- June 2009 Bachelor in Mathematics at Mohamed Khider University, Biskra, Algeria (Supervisor : F. Rajah).
- June 2006 High School Diploma in Nature and Life Sciences at Bachir Biskri High School, Sidi Okba, Biskra, Algeria.

Scientific Production

Papers :

- Abdelhakim N., Louiza S, (2022). Kernel estimation for the tail index of a right-censored Pareto-type distribution. Submitted, (<https://arxiv.org/abs/2110.07459>).
- Frederico C., Ayana M. X.F. M., Louiza S., (2021). A class of weighted Hill estimators. ([Computational and Mathematical Methods](#)), e1167.
- Brahim, B., Meraghni, D., Necir, A., Soltane, L., (2018). Tail empirical process and weighted extreme value index estimator for randomly right-censored data. Submitted., (<https://arxiv.org/abs/1801.00572>).
- Meraghni, D., Soltane, L., (2018). Extreme value theory based confidence intervals for the parameters of a symmetric Lévy-stable distribution (submitted).
- Soltane, L., Meraghni, D., and Necir, A., (2016). Statistical estimate of the proportional hazard premium of loss under random censoring. *Journal Afrika Statistika*, 11(1), 883 -899.
- Soltane, L., Meraghni, D., and Necir, A., (2015). Estimating the mean of a heavy-tailed distribution under random censoring. Submitted, ([Arxiv: https://arxiv.org/abs/1507.03178](#)).

Conferences :

- **L. Soltane**. New weighted extreme value index estimator for randomly right-censored data. **62st World Statistics Congress-ISI2019, 18-23 August 2019, Kuala Lumpur, Malaysia**. (Joint work with Brahim, B., Meraghni, D., Necir, A.).
- **L. Soltane**. Construction of the Proportionl Hazard Premium Estimator of Loss Under Random Censoring. **Congrès des Mathématiques Algériens CMA'2018, 12-13 mai 2018, Boumerdes, Algeria**. (Joint work with D. Meraghni et A. Necir).
- **L. Soltane**. Estimating the mean of a heavy-tailed distribution under random censoring. **61st World Statistics Congress-ISI2017, 16-21 July 2017, Marrakech, Morocco**. (Joint work with D. Meraghni et A. Necir).
- **L. Soltane**. Estimating the mean of a heavy-tailed distribution under random censoring. **1er Séminaire National de Mathématiques (SNM'01), 13 Décembre 2016, Constantine, Algeria**. (Joint work with D. Meraghni et A. Necir).

- **L. Soltane.** Estimating the mean of a heavy-tailed distribution under random censoring. **Journées de Statistique, 10 Mars 2016, Biskra, Algeria.** (Joint work with D. Meraghni et A. Necir).
- **L. Soltane.** Estimating the mean of a heavy-tailed distribution under random censoring. **Journée Doctorale, 21 Mai 2015, Biskra, Algérie.** (joint work with D. Meraghni and A. Necir).
- **L. Soltane.** Estimation de la moyenne d'une distribution à queue lourde sous censure aléatoire. **Journées de Statistique, 06-07 Mai 2014, Biskra, Algérie.** (joint work with D. Meraghni and A. Necir).
- **L. Soltane.** Estimation des mesures de risque sous censure aléatoire. **Séminaire Semestriel en Statistique (2ème SSS'2013), 09 Juin 2013, Biskra, Algeria.** (joint work with D. Meraghni and A. Necir).
- **L. Soltane.** Sur le théorème de Fisher-Tippett (1928). **1er Séminaire Semestriel de Statistique, 18 Octobre 2012, Biskra, Algeria.**

Attended courses:

- **IASC-LARS Webinar on Computational Statistics and Data Science Geostatistical Functional Data Analysis, organized by IASC & IS on 23 – 25 February 2021, Juergen Symanzik, IASC President.**
- **Distance Learning Applications –Microsoft Teams. Held via the online Platform (IFAD) – Zoom Application. On 23 of December 2020. Dr. Abdallah Alshanty, Chief ExecutiveOfficer.**
- **The Conditions of Accepting Research for Publication in Scientific Journal, Held via the online Platform (IFAD) - Zoom Application. On 9 of December 2020. Dr. Abdallah Alshanty, Chief ExecutiveOfficer.**
- **The Reality of E-learning in Arab Universities. Held via the online Platform (IFAD) - Zoom Application on 2 of December 2020. Dr. Abdallah Alshanty, Chief ExecutiveOfficer.**
- **IASC-LARS Webinar on Computational Statistics and Data Science Statistical Inference in Markov Processes. organized by IASC & ISI on 23 - 26 November 2020. Jurgen Symanzik IASC President.**

Experience

- 2010-2017 : Teacher of Maths at Middle School.
- 2017-2022 : Teacher of Maths (Math-1 et Math-2) at Mohamed Khider University, Biskra.

Tutoring (master's degree dissertations)

1. Hani Zerroukhi : Sur l'Estimation de l'Indice des Valeurs Extrêmes. Mémoires de master, 2019.
2. Manal Semmari : Sur l'Analyse de Survie et Applications. Mémoires de master, 2020.
3. Ahmed Mokrani : Estimation de l'indice des Valeurs Extrêmes sous Troncature. Mémoires de master, 2020.
4. Ramissa Kalfali : Estimation de la moyenne d'une distribution à queue lourde sous censure aléatoire, 2021
5. Chaima Heddar : Sur l'estimation de la fonction de survie, 2022.

Research Activities

- Member of the Laboratory of Applied Mathematics, University of Biskra, since 2013 until now.
- Member of the National Research Project PRFU entitled «Statistique des données incomplètes à queues lourdes». Code : C00L03UN070120180008.

Research Interests

- Nonparametric and Semiparametric Statistics
- Extreme Value Theory and its Applications
- Statistics of Extremes Under Random Censoring
- Statistics of Incomplete Data

- Survival Analysis
- Risk Measures
- Stable Law

Skills

- **Languages :** Arabe - French - English (a little)
- **Software :** R- RStudio - Statistica – Word - Excel - LaTeX - Scientific Work Place.