EVOLUTIONARY ECOLOGY

QUANTITATIVE AND EVOLUTIONARY ECOLOGY OF COMMUNITIES GROUP
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PROFESSEURE DES UNIVERSITÉS

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I am a Professor at VetAgro Sup, responsible for various modules of biostatistics at the veterinary curriculum, a module of critical reading of articles and co-leader of a module of Bayesian statistics mutualized between the three masters piloted by the LBBE. Some of my teaching documents are available on my
<u>personal web page</u> ↗
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My research activity is in the field of biometrics. I develop models and inference methods in the context of risk assessment in the field of health and environmental risks. My objective is to propose models/methods useful to researchers to better understand risks, and useful to managers to define risk indicators. My areas of expertise are: hierarchical models, non-linear models, dose-response models, in particular dose-response modeling of omics data, Bayesian inference.

In order to facilitate the use of the methods I develop to the largest number of people, I am involved in the development of various R packages:
<u>fitdistrplus</u> ↗
,
<u>nlstools</u> ↗
,
<u>DRomics</u>
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My publications are listed exhaustively on
<u>my Google Scholar profile</u> ↗
and my most recent papers are available on
<u>my HAL CV</u> ↗
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URL of the page: https://lbbe.univ-lyon1.fr/en/directory-of-people/delignette-muller-marie-laure