Contractual lecturer in applied statistics – 2 years

VetAgro Sup is a French public institution of higher education and research under the supervision of the Ministry of Agriculture and Food Sovereignty. Its main objective is to train MSc agricultural engineers, veterinary doctors, and veterinary public health inspectors. It contributes to the production and transmission of scientific knowledge for a global approach towards the health of humans, animals, plants, and their environment. VetAgro Sup trains 1,200 students, has 576 staff members and is involved in 12 research units. The institution is located in the Auvergne-Rhône-Alpes region in France and has two sites: the veterinary campus in Marcy l'Étoile (near Lyon) and the agronomic campus in Lempdes (near Clermont-Ferrand).

You will work in the "Territories and Society" department, which is composed of 16 people (professors, associate professors, lecturers, support staff). The department carries out teaching activities in human and social sciences, rural development, modelling sciences, statistics, and English. The department is involved in training modules over the three years of the engineering curriculum (core curriculum, semesters 8, 9 and 10) and a master's course. You will be part of a team involved in the major issues of tomorrow in higher education: Anthropocene, ecological transition, resilience of territories, etc.

The position is based on the agronomic campus of VetAgro Sup, in the Clermont-Ferrand agglomeration (300,000 inhabitants), applying for the European Capital of Culture 2028. It is a town at human scale with a range of services (culture, hospitals, airport, etc.), in the immediate vicinity of the Puys Range, a Unesco World Heritage site.

You will provide 192 hours of teaching time (tutorials and lectures) in initial training and apprenticeship, i.e. half-time teaching. You will have half-time to develop your research activities in the research unit of your choice within VetAgro Sup (12 research units). If you wish, you can develop software tools for the scientific community, with a preference for freely accessible solutions in R or Python.

You will work in interaction with other lecturers and professors who use statistics in their teaching. You will be involved in various teaching missions, including individual and group tutoring: follow-up of group work, individual support (end-of-study internships, work-study contracts). You will also collectively contribute to the evolution of our training.

Your teaching activities will be centered on applied statistics within the VetAgro Sup agricultural Master engineers curricula, with practical applications in different fields and inclusion in a global scientific approach: research ethics; research question; identification of data requirements (existing databases, sampling, surveys, experimental design, etc.); data cleaning and curation; analysis; interpretation and dissemination of results.

You will teach different statistical methods (mainly with the R language): exploratory data analyses (uni and bivariate methods), multivariate analyses (factorial analyses, classifications), hypothesis testing, statistical modelling (linear models, mixed models…). You will offer an introduction to big data processing, with artificial intelligence tools (deep learning, machine learning, etc.).

Skills

- Applied statistics,

- Interest in teaching statistics to a non-specialist audience,

- Good interpersonal skills, ability to listen,

- Taste for multi-disciplinarity and teamwork,

- Pedagogical skills and an interest in teaching,

- French language would be a plus.

Degree required: PhD in applied statistics, biostatistics, epidemiology, econometrics, data science, or any other discipline with a strong link to applied statistics.

Experience: beginner accepted

Application deadline: 7 October 2022 (inclusive)

Auditions: 7-8 November 2022

Starting date: 1 December 2022

Contractual lecturer (2 years) before another round of recruitment for a permanent position in 2024.

Salary according to the grid of the French Ministry of Agriculture.

CONTACT PERSONS

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