

Cécile Sauder

Data Scientist - R Expert
9 years of experience



Montpellier



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cecilesauder

Education

PhD in Data Science in Biology

2010 - 2014 | Agrocampus Ouest Rennes

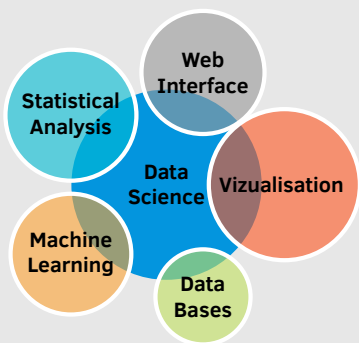
Master of Mathematics

Statistics and Computer Science

High distinction

2008 - 2010 | Université d'Orléans

Skills



Programming



HTML/PHP/CSS • SQL • L^AT_EX

C • C++ • Python

Languages

French ★★★★★

English ★★★★★

Spanish ★★★★★

Hobbies



Experience

2018 - 2019 **R&D Data Scientist at Royal Canin** (Now) **KapaIT** (Montpellier)
CDI Data wrangling and cleaning. Web applications development for statistical analysis (mixed models) and data handling in **R**. Text mining and sentiments analysis on tweets with **R**.

2017 **Data Science Research Engineer** (6 months) **INRA** (Montpellier)
CDD Statistical modeling and spatial analysis in **R**. Simulation of plant phenotype. **R** package development.

2017 **Data scientist** (3 months) **ThinkR** (Paris)
Freelance Medical data analysis and vizualisation (ggplot2) and reporting (ReporteRs). Teaching/coaching en **R**.

2016 **Mathematics teacher** (6 months) **Éducation nationale** (Toulouse)
CDD Mathematics teacher in High School.

2015 - 2016 **Data manager** (1 year) **Belgatech** (Bruxelles)
CDI Data management, statistical analysis and data mlining with **R** to predict elevator breakdowns. Supervision of technical staff. Project management. Writing reports, calls for tenders, quotations.

2010 - 2014 **PhD student in Data Science in Biology** (3.5 years) **INRA** (Rennes)
CDD Predictive modeling of cows fertility. Logistic regression, machine learning, clustering in **R**. Statistics teaching, communication (international conferences), writing (scientific papers).

2009 - 2010 **Master's degree internships** (3 and 6 months) **INRA** (Orléans)
Internships Predictive modeling for breeding value with BLUP: comparison of various software. Fortran, **R** and VBA programming.

Research

PhD thesis

Statistical methods of Functional Data Analysis applied to growth and lactation dynamics of dairy cows, 2014

Article

Non-parametric approaches to the impact of Holstein heifer growth from birth to insemination on their dairy performance at lactation one, Journal of Agricultural Science, 2013

Conferences

Tidyverse, course and exercises, R-Ladies Montpellier meetups (co-founder/ organizer/ animator), 2018-2019

tripdown : un package pour créer des blogs de voyage, 7èmes Rencontres R, 2018

Prediction of success of insemination with past daily milk yield with a functional generalized linear model, 4th Channel Network Conference of International Biometric Society, 2013

Prédiction d'un événement binaire à partir de données fonctionnelles, 2èmes Rencontres R, 2013

Influence du profil de croissance des génisses Prim Holstein sur leurs performances laitières en première lactation, 19èmes Rencontres Recherche Ruminant, 2012

Vulgarisation of science

StatistiX et le problème de la potion magique, 1st award of the Festival Sciences en cour[t], 2012