Stéphane. LASSALVY Montpellier, Occitanie, France

BIOSTATISTICIAN M. Sc. Senior

Missions in the field of agronomy

2018 2020

Head of a team of statisticians (3 members)

- Support for members of the team and for agronomists,
- Programming,
- Project management,
- Human-resources tasks.

2014 2017

Responsible of an agronomic trials network over the France territory (62 trials)

- Management of the network,
- Coordination with some statistical projects.

Statistician

- Spatial analysis of field trials: exploring and applying state of the art methods,
- 2 stages meta-analysis of trials from different sources to get a better knowledge on varieties,
- For forage varieties, comparing an existing ranking method based on grouped annual results with those of a two steps meta-analysis applied to field data.

2010 2014

- Studying Genotype x Environment (GxE) interaction in a field trials network at a European scale.
- Programming a statistical tool to display GxE interactions in a field trials network (AMMI method and stability indices).

2009 2017

- Programming a common ranking tool for forage and turfgrass varieties,
- Computing the forage varieties ranking every year.

2002-2003

- Programming a non-linear model to compute distances between varieties based on a mixture of continuous and non-continuous outcomes.

2001

- Adapting the source code of an existing program to compute distances between forage varieties based on over years data.

Skills

Statistics

- Design of experiments: random complete bloc designs, alpha lattices designs
- Statistical analysis of field trials corresponding to the considered design of experiment: analysis of variance or with linear mixed models, including spatial analyses
- Missing data: MCAR, MAR, MNAR.
- Linear model and generalized linear model: model selection, LRT, AIC, BIC
- Linear mixed model implementation in R (nlme, lme4, ASREML-R packages) and SAS
- Descriptive statistics and factorial analyses: PCA, Correspondence analysis, PLS regression, clustering methods
- Parametric and non-parametric statistical tests

Project management

- Collection of customer needs,
- Basic notions: Vee model, Agile, Kamban.

Programming

- R and SAS Programming (confirmed), and Python basics,
- Analyzing a source code,
- Documentary research, definition of the scope to be explored, proposal of solutions,
- Design or improvement of decision-making tools,
- Testing and validating the programs,
- Maintenance guidelines and end-users’ manuals.

Educational activities and communication

- Building slides or pedagogic documents,
- Home math tutoring, middle school, high school, statistics for psychology students,
- Tutoring workshops in small groups,
- Supervision and co-supervision of master's students or junior statisticians.

Experiences

2018-2021	Agronomy (Full time)	Head of a statisticians’ team	Montpellier
2014-2018	Agronomy (Full time)	Statistician and network manager	Montpellier
2013-2014	Educational activity (Part time)	Math professor	Montpellier
Since 2012	Agronomy (Part time)	Statistician engineer	Montpellier
2009-2012	Agronomy (Part time)	Research technician	Montpellier
Since 2004	Educational activity (Part time)	Home math tutoring	Montpellier
		Copy corrector	Montpellier
2001-2003	Agronomy (Full time)	Engineer assistant then engineer	Montpellier / Paris
1999	Agronomy (Full time)	End of study internship	Montpellier

Formation at Montpellier University

1999 Master's degree in Biostatistics

1996 License in mathematics

Certifications

2021 Basics of Project Planning and Management – Coursera – University of Virginia

2022 Working Smarter with Microsoft Word – Coursera – Microsoft

2022 Logistic Regression with NumPy and Python – Coursera

Other computer science skills

OS: WINDOWS 7/11, GNU/Linux Debian,

Office suites: Microsoft Office, LibreOffice, Latex (notions).

Languages

French: Mother tongue

English: Writing and reading technical documents, good oral skill

Spanish: Reading of technical documents

Other

- Walking
- Table tennis
- Free software