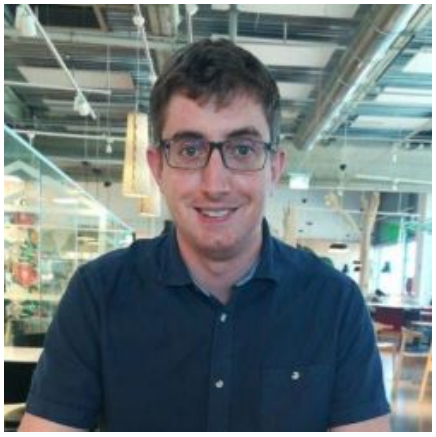

Jonathan Kitt

Contact

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KittJonathan

Skills

R

git

Shiny

Education

2024-2025

D.U. Data Scientist

Université Clermont Auvergne

2011

D.U.T. Génie Biologique

IUT A de Lille

Summary

My research focuses on describing the diversity of wheat genomics. My activities consist in conducting data analyses and developing tools in R, mainly for Genome-Wide Association Studies.

I have solid training in the R langage (data wrangling, text mining, Shiny web apps, statistical analyses), and in the good practices for coding and reproducible research (version control with git, FAIR practices).

I really appreciate interacting with the active and helpful online community of R users, and have contributed to that community by creating and contributing to R packages, giving feedback for online textbooks.
In September 2024 I joined the editors' team for the Rweekly newsletter.

I enjoy sharing R tips and tricks with colleagues, and in 2022 I started preparing and giving regular R wokshops in my lab.

In September 2024 I enrolled in a Data Scientist Course at the Université Clermont Auvergne.

Experience

Lab technician — **2013 - Present**
Genetics, Diversity, and Ecophysiology of Cereals,
INRAE UMR GDEC 1095

My work mainly focuses on data analysis, e.g. conducting Genome-Wide Association Studies to detect QTLs involved in resistance to biotic and abiotic stresses, and detection of Structural Variations in the bread wheat genome.

Assistant Engineer — **2011 - 2013**
Evo-Eco-Paleo Laboratory,
UMR CNRS 8198

Molecular biology techniques (PCR, KASPar genotyping, Sanger sequencing)

Projects

See my github profile for a detailed list of open source projects.

R online community
Editor for the Rweekly newsletter

R packages
datardis (creator & maintainer), werpals (contributor), datefirR (contributor)

Online textbooks (feedback and typos)
R for Data Science (2ed), Computational Genomics with R

Professional training

2024
Mixed models and ANOVA (4 days)
Introduction to Python (3 days)

2023
Statistics with R (3 days)

2022
Advanced data wrangling in R (3 days)
Introduction to text mining (2 days)
Development of Shiny web apps (3 days)
FAIR practices (20 hours)

2021
Introduction to the command line (20 hours)
Introduction to the use of cluster calculation (20 hours)
Statistics - predictive models (3 days)
Statistics - multivariate analyses OMICS (4 days)

2019
Statistics - Fundamentals (4 days)

2015
Bioinformatics (12 days)