

Rémi de Fleurian

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LINKS

Web: remidefleurian.com
Lnk: [remidefleurian](#)
Git: [remidefleurian](#)
Sch: [KH6xaHsAAAAJ](#)
OSF: [f2jgd](#)

SKILLS

Programming

R, Python, SQL, Git

Statistics

Machine Learning
Modeling (HMM, GMM, GLME)
Inferential statistics
Nonparametric statistics
Time-series analysis
Design of experiments

RESEARCH

Publications

2020: [Preprint](#)
2020: [Preprint](#)
2019: [PNAS](#)
2017: [Cognitive Science](#)

Presentations

2019: [SMPC](#) at NYU
2019: [SEMPRE](#) at Cambridge
2018: [DMRN](#) at QMUL
2018: [EiTIC](#) at UPF
2015: [ESCOM](#) at RNCM

COURSEWORK

Graduate

Applied Statistics
Computational Statistics
Inferential Statistics
Machine Learning
Data Analytics
Research Methods
Creative Coding
Music Cognition
Neuroscience

Online

Data Scientist with R
Data Analysis with Python
Data Visualization
Machine Learning

EDUCATION

PhD in Cognitive Science, 2021 (in progress)

QMUL, Department of Computer Science

Conducted research for dissertation on modeling chills in music:

- [Systematic review](#) of 170+ publications on chills
- Aggregation of [1000-track dataset](#) for [computational analysis](#) of Spotify API data, showing effects of valence on chills
- Design of bespoke R/Python software for longitudinal study, using physiological data to show effects of musical content
- Aggregation of 2000-chills dataset for computational modeling of timing of chills from acoustic and syntactic properties, resulting in system which can predict chills from audio

Led workshops for research staff and classes for graduate students:

- Workshops on [stats](#), [tidyverse](#), [ggplot2](#), [remote computing](#), etc.
- Lectures on [LaTeX](#) and [stats with R](#) for Research Methods module
- Guest lecture on [music and emotion](#) for Music Cognition module

MSc in Music, Mind & Brain, 2013

Goldsmiths, Department of Psychology

Research on information-theoretic measures of rhythm complexity:

- Design of rhythmic stimuli to run [experiment](#) showing effects of entropy rate and Kolmogorov complexity on rhythm prediction

BSc in Osteopathic Studies, 2012

British School of Osteopathy

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EXPERIENCE

Data Fellow (P/T), Jan 2021 - Present

Alliance for Downtown New York

Selected as 2021 Fellow to work on data-related tasks:

- Automation of yearly matching process between buildings databases for property tax calculation, resulting in increased accuracy and reduced need for manual checking
- Extraction and harmonization of data from various sources for interactive map estimating pedestrian activity in Downtown NY

Data Manager (P/T), Apr 2019 - Mar 2020

House of Greenland

Handled need for data-driven insights and recurrent task automation:

- Integration of timesheet, capacity, and billing data
- Design of project dashboard to ensure accurate budget tracking
- Automation of monthly reports for company-wide time allocation

Operations Manager (P/T), Oct 2016 - Mar 2019

Producer, Dec 2015 - Sep 2016

Google News Initiative Fellow, Jul 2019 - Sep 2019

The Guardian

Selected as one of 40 GNI Fellows from 800+ applicants for a data journalism internship with the Guardian's Visuals and Data teams:

- Text mining for interactive story on [Queen's Speech](#)
- Data collection and visualization for [various stories](#)
- Fast-paced analysis of key insights for live news

Educational Consultant, Oct 2014 - Nov 2015

Project Education