

# MATHIEU GENU

DATA SCIENTIST

## EXPERIENCES

- Present  
|  
Feb  
2025
- **Freelance Data scientist**  
Remote working 📍 La Rochelle (17), France
    - Build R packages
    - Development of shiny application
    - Data wrangling, statistical modelling and visualisation (graphs,maps,...)
    - Automated report (pdf/html)
- Dec  
2024  
|  
Oct 2019
- **Research engineer**  
Observatoire pelagis, UAR 3462, La Rochelle University 📍 La Rochelle (17), France
    - Creating a R package to ease analysis of observation campaign of marine megafauna **{pelaverse}** .
    - Development of shiny application to visualize aerial campaign survey results ( **SPEE**, **Cetambicion**, **SCANS4** )
    - Development of an automated report with rmarkdown querying a database to create an annual report on marine mammal strandings in France.
- 2018
- **Research engineer**  
IFREMER, atlantic centre 📍 Nantes (44), France
    - Projection of fishing managing scenarios of european hake in the Gulf of Lion (mediterranean sea) with ISIS-Fish model.

## TEACHING

- 2024  
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2022
- Use of indicators in ecology and introduction to Distance sampling for Master degree students (12h)
    - Theoretical approach of the use of indicators in ecology
    - Introduction to Distance Sampling
    - Practical lessons on the use of {Distance} package with R
- 2023
- Aerial observation training for engineering office and public organisms (1 day)
    - Distance sampling with **{pelaverse}** packages
    - Kriging with **{pelaverse}** packages
- 2019
- Statistical introduction to Bachelor degree student (13.5h)
    - Variance
    - Correlation
    - Linear regression




## ACADEMIC BACKGROUND

- 2017  
|  
2016
- **MSc in Fisheries science**  
Agrocampus Ouest 📍 Rennes (35), France
    - Bayesian statistical inference
    - Fisheries stock evaluation
- 2014  
|  
2011
- **BSc in Organism biology**  
Rennes1 University 📍 Rennes (35), France

## INTERNSHIPS

- 2017
- **Master degree's last year internship (6 months)**  
IFREMER, Channel and North Sea centre 📍 Boulogne-sur-mer (62), France
    - Evaluating processus contribution of climate change on fish communities using OSMOSE model. 
- 2016
- **Master degree's first year internship (4 months)**  
Agrocampus Ouest, fisheries and aquatic sciences center 📍 Rennes (35), France
    - Identification of intertidal nurseries in the Bay of Douarnenez (Brittany, France).

## CONTACT INFO

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## SKILLS



## HOBBIES

Tennis (best UTR 7 - 15/3)  
Chess ~1400 ELO (chesscom & lichess)