Philippine **CHAMBAULT**

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Summary

From international Academia to Private industry in Denmark, **data enthusiast scientist** with 12 yrs of experience specializing in statistical modelling and spatial analysis. **Programming in R** using large spatio-temporal and environmental datasets, I bring a strong statistical background and scientific rigour. While my background may be unconventional, it equips me with a unique perspective on data interpretation and problem-solving.

- **Strengths:** Structured (daily markdown reports), Writing & Reporting (secured €290,000 grant).
- **Work Ethics:** Deliver on time (carreful planning), Detail oriented & Meticulous (double-checking).
- **Communication:** Attended 13 conferences (3 awards), Translated science to non-specialists (3MT winner).
- **Technical Skills:** Statistical Modelling (proficient in R for 12 yrs), Data Visualization (Organized workshops).
- **Ambition:** Transition from Academia to the Industry to focus fully on data analysis while seeking an opportunity to contribute to a real-world impact in the Private sector.

Work Experience

Postdoctoral Researcher · Copenhagen - DENMARK
GRØNLANDS NATURINSTITUT · *2017,2020,Oct 2021-Present*
- Predicted habitat loss for Arctic whales due to climate change using machine learning & telemetry data [*random forest, BRT, neural network*]
- Designed and calibrated a new biologging device to record physiological parameters from diving animals [*engineering, protocol in captivity*]
- Generated state space models showing the influence of sea temperatures on cold-adapted species in the Arctic whales [*additive models*]
- Developed a method to measure foraging success rate from acceleration and acoustic data [*clustering, regression*]

Data Scientist · La Rochelle - FRANCE
AQUARIUM LA ROCHELLE · *Jan 2021-Jul 2021*
- Implemented statistical models to assess habitat suitability and survival probabilities [*state space models, additive models*]

Data Scientist · Sète - FRANCE
FRENCH RESEARCH INSTITUTE FOR EXPLOITATION OF THE SEA · *Nov 2018-Apr 2020*
- Developed a methodological framework for predicting individual & population-level distributions to support decision-making [*regression*]

Postdoctoral Researcher · Azores - PORTUGAL
UNIVERSITY OF THE AZORES · *Apr 2018-Oct 2018*
- Led geospatial analysis using satellite tracking & oceanographic data to investigate animal movement [*regression, distance sampling*]

Education

PhD in Marine Ecology · Strasbourg - FRANCE
UNIVERSITY OF STRASBOURG (FRENCH NATIONAL CENTER FOR SCIENTIFIC RESEARCH) · *Jun 2014-Jun 2017*
- I developed spatio-temporal models to identify how marine top predators use oceanographic features during migration

MSc in Physical Oceanography & Marine Environments · Paris - FRANCE
UNIVERSITY OF PIERRE ET MARIE CURIE (UPMC) · *Sep 2011-Jun 2013*
- Ecosystem Modelling, Functionning & Conservation: programming in R, ArcGIS and Matlab

Skills

Writing	Reporting (R Markdown, Quarto, LaTeX), Grant applications, Scientific papers (23 published, 17 as first author)
Languages	French (native), English (fluent, TOEFL, been living in English-speaking countries for 5 yrs), Spanish (beginner)
Programming	R studio, GitHub, ArcGIS
Communication	Lectures & Workshops, Interviews, Plenary at conferences, 3Min Thesis winner, Supervised 8 MSc/PhD students

Interests

Wildlife photography	Always been fascinated by nature, enjoy early mornings to catch the sunrise!
Horse riding	Dressage & jumping for 8 yrs in competition, Attended the French Championships (2nd place in 2004)
Yoga	Weekly practise to feel grounded, pause and find balance in my energetic life