

# Joffrey Joumaa

## Data Scientist

### Summary

Data Scientist with 4+ years of experience working with both start-ups and top companies. Achievements include:

- PhD in a quantitative discipline involving motion sensors for wildlife
- The development of a greenhouse gas emission forecasting model, reducing computation time from several days to minutes
- The implementation of a Self-Service Business Intelligence approach with the Tableau product suite
- The publication of eight scientific papers in highly ranked journals

Highly skilled in machine learning, data visualization, and creative thinking.

### Experience

Currently	<b>Data Scientist – UCSC</b> (CA, US) CA, US <ul style="list-style-type: none"><li>→ Turning motion sensors information into valuable marine ecology research</li><li>→ Web app, R package, Classification, Containerization (Git, R, Python, Docker)</li></ul>
2020 - 2021 (17 months)	<b>Data Scientist – THEGREENDATA</b> (Paris, France) Paris, France <ul style="list-style-type: none"><li>→ Time Series Forecasting, Classification, Monte-Carlo simulation (Git, Python)</li><li>→ Web app (Git, Shiny, Dash/Plotly)</li></ul>
2018 - 2020 (17 months)	<b>Data Consultant – SÆGUS</b> (Paris, France) Paris, France <ul style="list-style-type: none"><li>• <b>Data Scientist - GROUPAMA</b><ul style="list-style-type: none"><li>→ Leverage data to improve customer experience (Spark, Dataiku)</li><li>→ Conversion rate models (Python, Dataiku)</li></ul></li><li>• <b>Tableau Practice Leader - BOLLORÉ LOGISTICS</b><ul style="list-style-type: none"><li>→ Support &amp; Expertise with Tableau (Desktop, Prep and Server)</li><li>→ Creation of a Data Vizualisation pole</li></ul></li><li>• <b>Data Analyst - L'ORÉAL</b><ul style="list-style-type: none"><li>→ Creation, maintenance &amp; support of data viz (Domo)</li><li>→ Worldwide context (&gt; 3500 users, 64 countries)</li></ul></li></ul>
2018 (4 months)	<b>Biostatistician – IT&amp;M STATS</b> (Paris, France) Paris, France <ul style="list-style-type: none"><li>• <b>Biostatistician - Da Volterra</b><ul style="list-style-type: none"><li>→ Statistical analysis for 16S metagenomic data</li><li>→ Management of subcontracting analyses</li></ul></li></ul>
2017-2018 (7 months)	<b>Data Analyst – MALAKOFF MÉDÉRIC</b> (Paris, France) Paris, France <ul style="list-style-type: none"><li>→ Customer call reminder segmentation - « Customer Services » Department</li><li>→ Text Mining (Topic Modeling, Regular Expression, Cloudword)</li></ul>
2016–2017	<b>Gap year</b> (France) France <ul style="list-style-type: none"><li>→ Writing Scientific Papers &amp; Postdoc Projects, MOOCs</li></ul>
2013–2016 (38 months)	<b>PhD – CNRS</b> (UK & France) France & UK <ul style="list-style-type: none"><li>• Regression (Logistic, Linear, Additive, etc.)</li><li>• Classification (Random Forest, K-means, KNN, SVM, etc.)</li><li>• Statistics (Multivariate Analysis, PCA, etc.)</li><li>• Signal Processing (Spectral Estimation, Signal Filtering)</li></ul>

### Education

2013–2016	<b>PhD in Quantitative Ecology</b>	University of La Rochelle, La Rochelle, France
2012–2013	<b>2nd year of MSc in Biodiversity, Ecology and Evolution</b>	University of Paul Sabatier, Toulouse, France
2011–2012	<b>University degree</b> Discovery of the business world	University of Bretagne Occidentale, Brest, France
2009–2010	<b>BSc in Biology - Biochemistry</b>	University of La Rochelle, La Rochelle, France

### PERSONAL INFO

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<b>Website</b>	sesjo.github.io/portfolio/*	

### LANGUAGES

French	●●●●●
English	●●●●○
Spanish	●●○○○

### TECHNICAL SKILLS

R	(data.table, dplyr, ggplot2, caret, shiny...)	●●●●●
LaTeX		●●●●●
Python	(pandas, scikit-learn, dash, matplotlib, ...)	●●●●○
Git, Docker, Quarto		●●●●○
Tableau		●●●●○
SQL		●●●●○
Dataiku		●●●○○
Matlab		●●●○○

### HARD SKILLS

Machine Learning	Data Visualization
Quantitative Analysis	Statistics
Data Wrangling	