

# Romane LE GOFF

+33 608831762 | [romane.le-goff@laposte.net](mailto:romane.le-goff@laposte.net) | [romanelgff.github.io](https://romanelgff.github.io)

## TECHNICAL SKILLS

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**Programming:** R (RShiny), Python (Matplotlib, Bokeh, Tensorflow, sklearn), SAS, SQL, XML

**Data Science Algorithms:** Regression (Linear, Multiple Linear, Ridge, Lasso), Classification (Naïve Bayes, KNN, SVM, Decision Tree, Random Forest), Text mining (NLP), Clustering (K-Means, Hierarchical), Deep Learning

**Public policy:** Policy analysis (Experimental economics, Micro-econometrics), Decision making (Cost-Benefits Analysis), Game theory, Content writing

**Software:** LaTeX, Office package, Elasticsearch, SPSS

## EDUCATION

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### Université de Rennes 1 - ENSAI

Rennes, France

*Master in Applied Statistics : Public Evaluation & Decision Making*

*Sept 2020 – Expected to graduate in 2022*

- European Master in Official Statistics

### University of Plymouth

Plymouth, United-Kingdom

*Mathematics and Economics BSc., Year 3 (Erasmus)*

*Sept 2019 – May 2020*

### Université de Bretagne Occidentale

Brest, France

*Mathematics and Computer Sciences Applied to Human and Social Sciences BSc., Year 1 & 2* *Sept 2017 – May 2019*

- Mention "Bien" - Equivalent to a 2:1 honours degree

## EXPERIENCES

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### Data visualisation internship

26/04/21 – 23/07/21

*Atlantic Maritime Prefecture*

*Brest, France*

- Created automated dashboards for the Commander of the Defence Base and for the Social Action of the Armies (ASA) with R Shiny and Elasticsearch, which became to be a great asset in their day-to-day work.
- Carried out a study using ASA data that determined the best location for the construction of a military nursery on the defence base, while highlighting the main familial trends in the area.

### Management control internship

Jan 2019

*Joint Mobility Support Centre (CIMob)*

*Brest, France*

- Two-week internship where I surveyed the CIMob employees in order to draw a cartography of the indicators generated daily by the management controllers. (softwares used: Excel, Powerpoint, Word)

## PROJECTS

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### Academics | *R-Python*

2020-2021

- Bokeh application tracing the evolution of weightlifting competitions (1960-2016). ([GitHub](#)). *Made with Python*
- Web application designed for fully interactive data visualisation, mapping, graphing and statistical tables on deliveries and stocks of COVID-19 vaccines at the beginning of 2021. ([Vaccins-COVID19](#)). *Made with RShiny*
- Evaluation of the closed relationship between CO2 emissions and GDP per capita using econometric modelling methods. ([Kuznets curve](#)) *Made with R and LaTeX*

### Personnal | *Python*

2021

- Creating Conventional Neuronal Networks that classify and label images from 16,000 coloured images in order to split them into 3 main categories and 17 subclasses. ([GitHub](#)) Conducted in the frame of an online course ([365DataScience](#)). *Made with Python (Tensorflow)*

## ABOUT ME

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**Languages:** French (native language), English (C1), Spanish (B1), Italian (A2)

**Unique experiences:** 2020 BUCS Cross Country Championships in Edinburgh ; 2021 Saint-Pol - Morlaix half-marathon