



# AMAURY BARRA

Data Scientist

## CAREER GOALS

*I love to turn data into knowledge that helps business decision making to be more informed and robust. I aim to keep my organization or clients one step ahead by unveiling information that others don't see.*

## CORE STRENGTHS

- Scientific experience backed by peer reviewed publication and international conferences
- Vast knowledge and deep understanding of ML models
- Understanding of the business problems backed by 2 years of marketing strategy and innovation consultant experience
- Make the bridge between business problem and data science model
- Convey complex issues to non technical audience

## CONTACT DETAILS:

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## EMPLOYMENT HISTORY

### ALCIMED

#### CONSULTANT SENIOR DATA SCIENTIST, 2018-2021

*End to end project completion: business problem definition, data science methodology construction to answer the client problem, data collection, modelling, results communication.*

**Main clients:** Airbus, CNES(French equivalent of NASA), Royal Canin

#### Main tasks:

- Forecasting market investment level and market demand
- clustering customers to qualify large amount of prospect
- scientific reviewing of Deep Learning Algorithms for cancer detection
- predicting life/death status of patients
- ...

#### Other tasks:

- Training sessions for junior data scientists
- Assisting the commercial forces in selling projects, development of the company's data science offer

### French ministry of defence

#### ECONOMIST DATA SCIENTIST, 2015-2018

*Modelling and development of new algorithms to optimize the availability of military aircrafts under tight budget constraint*

#### Main tasks and achievements:

- Find KSF maximizing the availability of military materials, create economic models to reduce the cost of maintenance
- Answer the parliament question about the efficiency of the military maintenance process, communicate into international conferences

## ACADEMIC HISTORY

### UCL (Belgium)

#### MSC QUANTITATIVE ECONOMICS

- Main courses: Non linear panel data analysis, Advanced Time Series Analysis, Advanced Econometrics, Micro Econometrics  
- End of study thesis: Building estimators that takes into account the spatial correlation into data generating processes

### University of Montpellier

#### MASTER FINANCE AND RISK MANAGEMENT

- Major of promotion (best grades out of more than 150 students)  
- Main courses: Finance, Time series Analysis, Macroeconomics, Econometrics

### School of economics and Statistics (Bologna) & University of Montpellier

#### BACHELOR FINANCIAL ECONOMICS

## HOBBIES & INTERESTS

- Mountain trekking
- Geopolitics
- Russian literature (Dostoevski)
- Distance Running