

# Maël FABIEN

## Education



**Data Scientist**  
(22 years old)

Nationality: France, Luxemburg

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7 rue Barrault, 75013 Paris

Bachelor of Science  
Economics  
HEC Lausanne



2016

Economics, Statistics,  
Financial Mathematics

Mater of Science  
Actuarial Science  
HEC Lausanne



2018

Statistics, Risk Theory,  
Stochastic Processes

Specialized Master  
Big Data  
Telecom ParisTech



2019

Big Data, Machine  
Learning, Deep Learning

## Social



<http://maelfabien.fr>



<https://github.com/maelfabien>



<https://www.linkedin.com/in/mael-fabien/>

Medium

<https://medium.com/@mael.fabien>

## Language

- French (Mother Tongue)
- English (C2)
- German (B2)

## Interests

- Statistics
- Machine Learning
- Deep Learning
- Actuarial Science
- Reinforcement
- Data Visualization
- Design/Web
- Sports

## Experience



**02.2018 - Present: Machine Learning Instructor**

Machine Learning Instructor for VIVADATA Bootcamp. Gave lessons on several ML concepts, created course supports, contributed to bootcamp's blog.



**09.2018 - 05.2019 : Affective Computing Research Project at Telecom Paristech**

Research projet for the French employment center on multimodal emotion recognition. Delivering state of the art models in Text, Sound and Video processing for sentiment analysis.

*Python, NLTK, PyAudio, Keras, Tensorflow.js*



**02.2018 - 08.2018 : Non-Life Actuary Intern, Vaudoise Insurance**

Redesign of a private Accident Insurance product. Statistical analysis, anomaly detection, product pricing (MLE, robustness tests, profit testing, simulations).

*R, VBA, Tableau*



**09.2016 - 03.2018 : Student Teaching Assistant**

Student Teaching Assistant for the 3rd year Bachelor course of Corporate Finance and Public Finance. 40% position on the side of my studies.



**2016 - 2018 : Entrepreneurial Projects**

Jury Prize winner of the Entrepreneurial Contest Start Lausanne after a 6 months competition among 65 startups, 5'000.- prize. Launched a digital car rental service. Partnerships with several dealerships and an insurance.

## Recent Projects

- Created a data science blog : <http://maelfabien.fr>
- Published on Towards Data Science : <https://bit.ly/2NiNaLy>
- Deep Learning Facial Emotion Recognition and Landmarks Detection
- Deep Learning Image Enhancement « See in the Dark »
- NLP / Topic modeling from a comment data base
- Predicting a container's dwell time for cargo transportation optimization
- A geolocation ML algorithm from a triangular signal strength (RSSI)
- Several Kaggle Competitions (EarthQuake, Titanic, Forest Type...)

## Stack

Daily user :

- Python (Pycharm, Jupyter)
- Libraries (Sklearn, statsmodel, Keras, Tensorflow..)

Frequent user :

- R (RStudio), Scala (Zeppelin)
- SQL (Postgre, MySQL)
- HTML, CSS
- Cloud : AWS (EMR, EC2..), Google Cloud Platform

Used in several projects :

- Hadoop, Spark
- Cassandra, MongoDB, Neo4j, Hive
- Tableau