

Martin Gubri

PhD Candidate at SnT

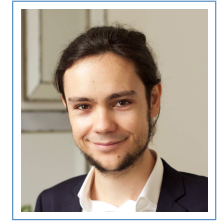
Luxembourg

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21 Oct. 1991



Education

- Since Sept. 2019 **PhD Candidate, SnT, University of Luxembourg.**
Research interests in Machine Learning Security, with a focus on extending the scope of adversarial examples in terms of applications, models & attacks techniques.
- 2014–2015 **Specialized Master, Data Science, EnsaE ParisTech, with high honor.**
Courses on both theoretical & applied aspects of Machine Learning, Data Analysis & Econometrics with a emphasis on Computer Science & Big Data Processing and Analysis.
- 2012–2014 **Master's Degree, Statistics and Econometrics, Toulouse School of Economics, with highest honor (head of the class, 1st/28).**
Courses on Statistics, Data Analysis, Econometrics, Applied Mathematics & Programming.
- Since 2013 **MOOC, Coursera.**
Neural Networks and Deep Learning, Improving Deep Neural Networks, Structuring Machine Learning Projects, Computing for Data Analysis, Data Analysis, Computer Networks.
- 2011–2014 **Magister Degree, Economics and Statistics, Toulouse School of Economics & Paul Sabatier University, with highest honor (3rd/16).**
- 2011–2012 **Bachelor's Degree, Economics and Mathematics, Toulouse School of Economics.**
- 2009–2011 **Classe préparatoire aux grandes écoles, Lycée Montaigne, Bordeaux.**
Khâgne & Hypokhâgne B/L, Humanities, Social Science & Mathematics.

Work and volunteer experiences

- Oct. 2017 — **Freelance Data Scientist & Independent Researcher.**
Aug. 2019 Freelance working on Machine Learning, Data Analysis, Sampling design, Data Visualization, Big Data & Web Scraping. Independent Researcher on ML Security between contracts.
- Since Jan. 2017 **Information Security contributions.**
26 XSS, RCEs on TeleMath server, etc. See full list of vulnerabilities on gubri.eu.
- Oct. 2015 — **Ford–Mozilla Technology Exchange Fellow, ONG Derechos Digitales, Chile.**
Oct. 2016 Developer, Statistician and Technology Referent for various projects and reports about Computer Security, Privacy, Personal Data Protection, Cryptography, Net Neutrality & Censorship.
- Jun. 2015 — **R package development, Google Summer of Code for the R foundation.**
Aug. 2015 Implementation of state-of-the-art predictors for Spatial Regression Models in *spdep*, the main R package for Spatial Statistics. Mentored by Roger Bivand & Giovanni Millo.
- Jun. 2014 — **Junior Researcher in Applied Spatial Econometrics, Blwhere consulting, Paris.**
Apr. 2015 Development of new methods to improve predictions using spatial interaction models for a business use case (intern for 3 months and employee later).
- Since 2012 **Member of the board of directors of Framasoft.**
Major French-speaking FLOSS promoting non-profit organization. Co-president in 2017.

Publication

Gubri, M. (2018). Adversarial Perturbation Intensity Achieving Chosen Intra-Technique Transferability Level for Logistic Regression. *arXiv:1801.01953 [cs, stat]*. (link, pdf, code)

Computer skills

Programming	Python, R (incl. tidyverse), Bash, Html/Css, C (basis)
ML/Stats	Scikit-learn, Statsmodels, R Stats Package, Spdep, Rpart, Caret, <i>i.a.</i>
Deep Learning	TensorFlow (basis), Keras (basis)
Database	MySQL, PostgreSQL, SQLite, MongoDB, DynamoDB, Oracle
VCS	Git
OS	GNU/Linux, Windows, MacOS
Office	L ^A T _E X, LibreOffice, MS Office
Miscellaneous	Matplotlib, Seaborn, Scrapy, Flask, Bottle, Pig, Hdfs

Linguistic skills

English	Fluent TOEFL iBT Score: 101/120
French	Native language
Spanish	Fluent

Interests

FLOSS, ML, Security, Statistics, Privacy, Skiing, Climbing