Matthieu **Doutreligne**

Statistician · Data Scientist at French Ministry of Health (DREES)

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Education

Master degree, Mathématiques, Vision et Apprentissage (MVA)
Sep. 2017 - April 2018

Ecole Normale Supérieur de Paris-Saclay
Paris, France

Natural Language Processing, Reinforcement Learning, Probabilistic Graphical Models, Kernel Methods

Master degree, Statistical Learning
Sep. 2017 - April 2018

Ecole Nationale de la Statistique et de l'Administration Economique (ENSAE)
Paris, France

Machine Learning, Bayesian Statistics, Compressed Sensing, Finances Publiques, Demographie

Master degree in Applied Mathematics
Sep. 2016 - April 2017

Ecole Polytechnique
Paris, France

Statistics, Machine Learning, Big Data, Probabilities, Markov Chains, Operational Research

Engineering Cursus
Sep. 2014 - August 2016

Ecole Polytechnique
Paris, France

Statistics, Probabilities, Algorithmic, Statistical Physics, Econometrics, Molecular Biology

Experience

Research Intern, NLP for Biomedical data(Prof. Xavier Tannier)
April 2018 - August 2018

AP-HP/LIMSI/LIMICS
Paris, France

- Built and deployed a neural sequence tagging tool for automatic de-identification of medical reports at the AP-HP
- Publication of a paper on the application of Neural tagging models to biomedical texts

Research Intern, Biostatistics (Prof. Sandrine Dudoit)
April. 2017 - August. 2017

UC Berkeley
Berkeley, USA

- Normalization methods, clustering and dimensional reduction analysis for RNA sequencing data.
- Detection of branching events in biological lineages obtained by single cell RNA sequencing.

Emergency medical responder chief in the BSPP
Octb. 2014 - March. 2015

Brigade de Sapeurs-Pompiers de Paris
Paris, France

- Led a team of three emergency first responders during 24-hour shifts.
- Learned to keep composure and developed a quick and analytical mind in the face of situations of life and death.

Programming Skills

Languages	**Python** · **R** ·Java · C++
Tools	Rstudio · Jupyter · LaTeX · Unix · Adobe Creative Suite

Languages

French	Native
English	Toefl: 108/120
German	Advanced
Arabic	Beginner

Publications

- Julien Tourille, Matthieu Doutreligne, Olivier Ferret, Nicolas Paris, Aurélie Névéol, Xavier Tannier. Evaluation of a Sequence Tagging Tool for Biomedical Texts. in Proceedings of the EMNLP Workshop on Health Text Mining and Information Analysis (LOUHI 2018)