

Benjamin DONNOT

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Education

- 2014-2015 **3rd year "Data Science", speciality *Machine Learning*, ENSAE (Paris Graduate School of Economics, Statistics and Finance), Top French engineer school in statistics, Malakoff, Paris Area, France.**
Main classes : data mining, machine learning, bayesian statistic, computer (Scala, Pig & Map-Reduce).
- 2012-2013 **1st & 2nd year applied mathematics, ENSAE.**
Main classes : statistics, econometry, probability, finance, computer (C++, Python, R & SAS).
- 2008-2011 **CPGE, Henri Poincaré Highschool, Nancy, France, Two or Three-year intensive program in mathematics and physics preparing for the national competitive exam for entry to engineering schools..**

Work Experience

- Janvier 2015 **Data Scientist Intern, RTE France, Versailles, France.**
(6 months) Development and study (in c++ and R) of machine learning algorithm in order to better operate the french power grid.
- Février 2015 **Consultant for l'ODJ, Observatoire Des Jeux (ODJ), Paris, France.**
(7 months) Mission obtained through ENSAE Junior Études. The objective was to build and study *a priori*, different profil of players in order to predict which one are possibly addicted.
- Février 2014 **Stagiaire Data Scientist, Amadeus IT group, Sophia-Antipolis, France.**
(6 months) Application of machine learning algorithm (classification, clustering, prediction) for predicting the flow of passengers in any airport. Usage of *R* and *Python*
- Août 2013 **Quantitative Analyst Intern, HSBC, Paris, France.**
(6 months) Work on local volatility surface and then on jumps (spot and volatility).
- Mars 2013 **Consultant, Jouve, Paris.**
(3 months) Mission obtained through ENSAE Junior Études : detection et rationalization of bids searching, *web-scraping*, supervised clustering of more than 2,5 millions of bids. This study was made using *Python*.
- Juillet 2012 **"Data base" intern, Confédération Nationale du Crédit Mutuel, Paris, France.**
(2 months) Writing of synthesis paper, study the customer/bank relationship. Usage of SQL and Excel.

Computer skills

- Languages **Objects Oriented (C++ -advanced knowledge) & Fonctionnal (OCaml -knowledge).**
- Statistical **Python (Scikit-Learn, Pandas) -niveau avancé & R (Rcpp, data.table)-advanced knowledge.**
- Others **L^AT_EX; Pack Office(VBA, Excel) & SQL -knowledge.**

Languages

- Anglais **Working knowledge, TOEIC 940/990 points (June 2013).**
- Allemand **Basic skills.**
- Italien **Basic skills.**

Extra curricular activities

- 2015 **Co-organizer of "Data Science Game 2015".**
This is an international students challenge. The students competitors were asked to solve a real data-scientist problem, given by Google. The main sponsors were *Google Inc.* and *Capgemini Consulting*.
- 2012-2013 **vice treasurer of ENSAE Junior Études.**
(14 months) This is the "junior enterprise" of ENSAE. It is a local non-profit organization entirely managed by students offering consulting services to the corporate. It allows students to work on real professional projects as well as managing an entreprise.
Natation, ≈ 3h / week.