

Me
Gender
Female
Date of birth
Avril 20, 1993
Nationality
French
Current home
Southampton

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Programming

OS Preferences:

- GNU/Linux

Languages:

- Python (++)
- VBA (+)

Statistical Software:

- R (+++)
- Stata (+)

Office Purpose:

- Microsoft Office (Word, Powerpoint, Excel)
- LaTeX
- Markdown

Languages

French ★★★★★
English ★★★★★
German ★★★★★
Italian ★★★★★
Turkish ★★★★★

Hobbies

Cross and Raid
Raid de l'X, UTC Raid
Contemporary Dance
Camping, climbing

Édith Darin

Social sciences, Statistics and Geospatial Data Science

Working Experiences

- 07/18-10/19 **Research Assistant** Worldpop, University of Southampton
Population Modelling for LMICs in the absence of census. Hierarchical Bayesian Modelling Framework with survey data and geospatial covariates. Grid-based Sampling Design for Household Surveys. Data production and dissemination. Country Engagement Work in Burkina Faso. Workshop and Training on Population Estimates with Statistical Office Members in Kinshasa, DRC.
- 01/17-08/17 **Data Scientist Intern** UN World Food Program, HQ Rome
mVAM Unit: dedicated to remote data collection on food security. Research on how to apply Machine Learning for Propensity Score Weighting in Complex Survey Design. Scoping Study on High-Resolution Mapping of Food Security Indicators. Panel Attrition Analysis. Descriptive statistics on CDR data. Support Mission at Mali Country Office (Bamako)
- 07/16-12/16 **Data Scientist Intern** Etalab, French Prime Minister's Task Force for OpenData
- *OpenFisca Project*: French Tax and Benefit System Micro-Simulation Software. Coding the law and developing teaching material. Generating a representative Synthetic Population. Tools: Python (Jupyter Notebook).
- *Entrepreneurs d'Intérêt Général Project*: Launching a governmental program for recruiting high-skilled developers on specific short-term projects.
- 02/15-03/15 **Economist Intern** INSEE (French National Institute for Statistics)
Micro-simulation model INES. Study on the Marginal Effective Tax Rate.
- 01/14-05/14 **Research Assistant** École Normale Supérieure of Cachan
Sociological research project about the lawyer profession.
Method used: Sociological interview

Education

- 2018-2019 **MSc in Applied GIS and Remote Sensing** University of Southampton, UK
Dissertation Topic: *Slumness Mapping: an insight comparing survey data and geospatial covariates. A Use Case in Kinshasa, DRC.*
- 2015-2018 **MSc in Statistics and Economics** Paris Graduate School of Economics, Statistics and Finance (ENSAE)
Majors: Statistics, Machine Learning, Parametric and Non-Parametric Econometrics, Computational Social Sciences, Public Policy Evaluation. With Distinction.
- 2014-2015 **"Theory and Empirical Methods in Economics" Graduate Program** École Normale Supérieure de Cachan and Paris School of Economics
Erasmus: Humboldt (Berlin), Galatasaray (Istanbul). First class honours.
- 2013 - 2014 **Double Bachelor's Degree in Economics and Sociology** ENS Cachan, Université Paris-I-Panthéon-Sorbonne
First class honours.
- 2011 - 2013 **Hypokhâgne and Khâgne B/L** Lycée Henri-IV, Paris, France
Two-year highly selective classes to prepare for the "Grandes Ecoles".
Majors: literature, philosophy, mathematics, economics and sociology.

Contributions and awards

Works are available on personal Github, ResearchGate or upon request.

- Poster at the GEOMED 2019 Conference on Grid-based Sampling Design
- Poster at the GEOMED 2019 Conference on High-resolution population mapping i
- Vice-Chancellor Award for Research Impact, University of Southampton, 2018
- Scholarship Sarah Andrieux for Social and Economics Research (800€, 2017)
- Finalist for OpenFisca of the OGP Hackathon (Paris Summit 2016)
- J. Fourcot, *Les taux marginaux effectifs d'imposition en France en 2014*, Documents de travail INSEE, 2015
- Four-year scholarship at the École Normale supérieure de Cachan (4x15,600€, 2015)

Édith Darin, October 10, 2019