








# Alice Lépiessier







## Data Scientist Climate Finance Expert

-  French citizen, US green card
-  805 895 0976
-  [alice\\_lepiessier@brown.edu](mailto:alice_lepiessier@brown.edu)
-  <https://alicelepiessier.com>
-  [alicelepiessier](#)
-  [alicelepiessier](#)
-  [walice](#)

### ABOUT ME

Data scientist and computational social scientist with 10+ years of experience in global climate policy and international development.












### KEY STRENGTHS

-  Domain expert in sustainability
-  PhD-trained statistician
-  Expert communicator
-  Robust tech stack
-  Design and visualizations
-  Highly adaptable and multicultural

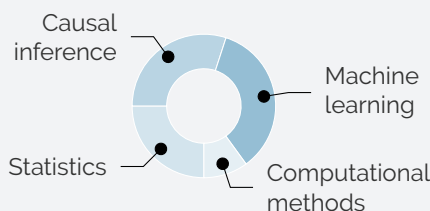
### LANGUAGES

Fluent in   , conversational in 

### TECH STACK

-  R, Python, Stata
-  scikit-learn
-  Git, Docker, Binder
-  MongoDB
-  SQL, MySQL
-  Javascript, Node.js
-  Linux, Bash shell
-  HTML, CSS, Sass
-  T<sub>E</sub>X, R Markdown
-  Jekyll, Bootstrap
-  GCP, VMs, cron

### SKILLS



## Experience




- 2023 – present **Lead Machine Learning Engineer** Omdena  
Developing AI system to remotely monitor nitrogen-flow in farms
- 2021 – present **Postdoctoral Fellow** Brown University  
Working on how to catalyze private sector investment in the transition at the Watson Institute for International and Public Affairs
- 2017 – 2020 **Lead Instructor / Teaching Assistant** U. of California Santa Barbara  
6 courses: Introduction to Research Methods, Business & Environment
- 2015 – present **Consultant** Various organizations  
Clients include United Nations Economic Commission for Africa, Tax Justice Network, Business & Sustainable Development Commission
- 2014 – 2015 **Research Associate** Center for Global Development in Europe  
Bridging research & policy interface by combining research with practical policy proposals and designing intuitive tools to aid decision-making
- 2012 – 2014 **Research Assistant** Center for Global Development in Europe  
Quantitative research on climate change and illicit finance

## Education

- '16 – '21 **PhD Environmental Science & Management** U. of California Santa Barbara
- '17 – '20 **MA Statistics** U. of California Santa Barbara
- '10 – '11 **MSc Economic History** London School of Economics
- '09 – '10 **MSc Economics & Public Policy** Sciences Po Paris & École Polytechnique (X)
- '05 – '09 **BA (Hons) European Social & Political Studies** University College London

## Selected projects



### Climate change

- 2022 Modeling opposition to climate taxes  Repo
- 2021 Impact evaluation of climate policy with synthetic controls  Paper
- 2015 Interactive climate simulation tool for policy-makers  SkyShares.org

### Illicit finance

- 2020 Machine learning for illicit trade data  Online book
- 2019 Estimating illicit trade for UN Economic Commission for Africa  Data
- 2015 Consultant for UN High Level Panel on Illicit Financial Flows  Paper

### Algorithms

- 2019 Genetic algorithm for image reconstruction  Repo
- 2014 Bézier splines for interpolation  Repo

## Selected presentations

- ✓ Climate Change AI ✓ Future of Sustainable Investing conference ✓ University of Pittsburgh ✓ Brown University ✓ American Political Science Association ✓ U. of Sussex ✓ U. of Washington ✓ United Nations Economic Commission for Africa ✓ UN Conference on Trade and Development ✓ U. of Warwick

## Scientific leadership and public outreach

- Papers Please refer to my  CV for a complete list of publications
- Service Peer reviewer for scientific publications, conference organization (Sciences Po, UCSB), member of Climate Change AI, mentoring
- Op-eds The Guardian, Center for Global Development, Scholars Strategy Network
- Advising Master's group project (UCSB), undergraduate senior thesis (Brown)
- Awards  Central Campus Dissertation Fellowship  Bren School Recruitment Fellowship (3 years)  International Doctoral Recruitment Fellowship (3 years)  Kuni Fellowship  SESYNC Fellowship