

Alexis Bellot

64c Huntingdon street, N1 1BX, London, UK

✉ ab2583@cam.ac.uk 🌐 <http://www.damtp.cam.ac.uk/people/ab2583/>

Education

University of Cambridge

Cambridge, United Kingdom

PHD APPLIED MATHEMATICS - MACHINE LEARNING

Expected Sept. 2020

- I develop algorithms and predictive models that can help clinicians give individualized care to their patients.
- I am affiliated with - and funded by - the Alan Turing Institute.
- Supervisor: Prof. Mihaela van der Schaar.

University of Oxford

Oxford, United Kingdom

MSc APPLIED STATISTICS

Sept. 2017

- MSc Grade: Distinction.
- MSc Courses: Graphical Models, Applied Statistics, Foundations of Statistical Inference, Statistical Programming, Statistical Machine Learning, Bayes Methods, Computational Statistics, Data Mining and Machine Learning.

Imperial College London

London, United Kingdom

BSc MATHEMATICS

Jun. 2016

- First Class Honours.
- Courses in all areas of Mathematics with a specialization in Statistics.

Publications

- A. Bellot, M. van der Schaar, "Boosting Transfer Learning with Survival Data from Heterogeneous Domains," *AISTATS*, 2019.
- A. Bellot, M. van der Schaar, "Multitask Boosting for Survival Analysis with Competing Risks," *NeurIPS*, 2018.
- A. Bellot, M. van der Schaar, "Boosted Trees for Risk Prognosis," *Machine Learning for Healthcare Conference (MLHC)*, 2018.
- A. Bellot, M. van der Schaar, "A Hierarchical Bayesian Model for Personalized Survival Predictions," *IEEE J. Biomedical and Health Informatics*, 2018.
- A. Bellot, M. van der Schaar, "Tree-based Bayesian Mixture Model for Competing Risks," *AISTATS*, 2018.

Work Experience

PIMCO

London, United Kingdom

SUMMER ANALYST, GLOBAL WEALTH MANAGEMENT

Jun. 2016 - Aug. 2016

- Worked closely with senior Global Wealth Management (GWM) Account Managers to offer overall support.
- Provided product information and sales support to clients and prospects in the GWM channel.
- Gathered, analyzed and discussed economic trends, and delivered these to investment professionals and their clients.

Undergraduate Research, Imperial College London

London, United Kingdom

RESEARCH INTERN ON EXTREME VALUE THEORY (PROF. RAMA CONT)

Feb. 2015 - Jun. 2015

- Investigated extreme returns of a major stock index, the S&P500, under the framework of Extreme Value Theory. The theory provides a solid mathematical foundation for describing rare events and modelling the extrema of random variables, thus seeking to assess the likelihood of extreme events.
- Produced a written report aiming to give a broad overview of the theory and an application to the S&P500 over the past 50 years.

Skills

LANGUAGES

Spanish	-	Mother Tongue
Luxemburgish	-	Mother Tongue
French	-	Fluent
English	-	Fluent
German	-	Intermediate

SOFTWARE

R	-	Proficient all around
Python	-	Intermediate Knowledge of popular libraries such as NumPy, SciPy, sklearn and basic knowledge of PyTorch and Tensorflow for deep learning