Aude Genevay

born 27/12/1991 in Bourgoin-Jallieu (France) 4 rue du Charolais 75012 Paris

Phone: 06.79.54.58.43 / Email: aude.genevay@gmail.com

https://audeg.github.io

Education

2015 - PhD in Mathematics - U. Paris Dauphine

« Large scale optimal transport for machine learning »

Under supervision of G. Peyré - PhD grant from Région Ile de France

2013-2015 ENSAE ParisTech - Engineering degree - Major in Machine Learning, minor

in Economics

Member of the student's team for data science competitions (Data Science Game)

2014-2015 Master M2 MASH Machine Learning and Applications - ENS Cachan & U.

Paris Dauphine

Summa Cum Laude - Rank : 1/20

Thesis: « Transfer Learning for spoken dialogue systems »

2013-2014 Master M2 EDP-MAD Mathematical Modeling - U. ParisDauphine

Summa Cum Laude (no ranking)

Thesis: « Matching with unobserved heterogenity »

2012-2013 Master M1 MMD Mathématiques Appliquées - U. Paris Dauphine

Summa Cum Laude - Rank: 1/140

2011-2012 Licence L3 MIDO Mathématiques Appliquées - U. Paris Dauphine

Magna Cum Laude - Rank: 6/120

Awards - Grants

2017 Google PhD Fellowship

2015 Région lle de France PhD Grant

2012-2014 Master's grant from Fondation Sciences Mathématiques Paris (for academic

excellence)

Research Internships

May-Sept. 2015 Orange Labs - advised by R. Laroche

Reinforcement Learning for spoken dialogue systems

Java implémentation of a dialogue simulator Redaction of a paper accepted at AAMAS 2016

June-Sept. 2014 INRIA Roquencourt - advised by G. Carlier and J.-D. Benamou

Numerical methods for optimal transport, applications to the matching

problem

July-Aug. 2012 U. Paris Dauphine - advised by F. Forges

Repeated bayesian games

Publications

- A. Genevay, L. Chizat, F. Bach, M. Cuturi, G. Peyré « Sample Complexity of Sinkhorn Divergence » Technical report, arXiv-1810.02733, 2018.
- A. Genevay, M. Cuturi, G. Peyré « Learning Generative Models with Sinkhorn Divergences » In : International Conference on Artificial Intelligence and Statistics, 2018. p. 608-1617.
- A. Genevay, M. Cuturi, G. Peyré, & F. Bach « Stochastic Optimization for Large-scale Optimal Transport » In: Advances in Neural Information Processing Systems, 2016. p. 3440-3448.
- A. Genevay & R. Laroche, « Transfer Learning for User Adaptation in Spoken Dialogue Systems » In: Proceedings of the 2016 International Conference on Autonomous Agents & Multiagent Systems. International Foundation for Autonomous Agents and Multiagent Systems, 2016. p. 975-983.

Teaching

2017 - 2019 Machine Learning (M1 Info - Ecole Normale Supérieure)

2016 - 2017 Numerical Optimization (L3 Mido - U. Paris Dauphine) Machine Learning (M1 MMD - U. Paris Dauphine)

2015 - 2016 Lebesgue Integration (L3 Mido - U. Paris Dauphine)

Introduction to probability theory (L1 Mido - U. Paris Dauphine)

Additional Skills

Languages English - fluent (numerous stays in the US)

German - conversational (numerous stays in Germany)

Programming Python (Scikit-learn, Tensorflow, Pytorch), Matlab, Java, R

Other Interests Cycling, Hiking, Swimming