Aude Genevay

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

2015 - **PhD in Mathematics - U. Paris Dauphine**
« Stochastic methods for optimal transport, applications in machine learning »
Under supervision of G. Peyré and J.-D. Benamou - PhD grant from Région Ile de France

2013-2015 **ENSAE ParisTech - Engineering degree with specialization in Data Science**
Member of the student's team for data science competitions (Data Science Game 2015)

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

2009-2011 **Classes Préparatoires (Maths and Physics major) - La Martinière Monplaisir (Lyon, 69)**

2009 **Baccalauréat Scientifique - Lycée St Marc (Nivolas, 38)**
Passed with highest honors

Awards - Grants

2017 Google PhD Fellowship

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

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 & 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.

A. Genevay, M. Cuturi, G. Peyré, & F.Bach « Stochastic Optimization for Large-scale Optimal Transport ». *arXiv preprint arXiv:1605.08527.*, 2016 (to appear in NIPS 2016 proceedings)

Teaching

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, Theano), Matlab, Java, R

Other Cycling