

Aude Genevay

born 27/12/1991 in Bourgoin-Jallieu (France)

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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 heterogeneity »
- 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 Ile 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
- 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 » In : *Advances in Neural Information Processing Systems*. 2016. p. 3440-3448.

A. Genevay, M. Cuturi, G. Peyré « Learning Generative Models with Sinkhorn Divergences » *arXiv preprint arXiv:1706.00292*.

Teaching

2017 - 2018 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	Cycling