

Andrés Muñoz Medina

Courant Institute of Mathematical Sciences
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Education

Courant Institute of Mathematical Sciences, NYU (Expected) May 2015
Mathematics Ph.D Candidate (Advisor: Mehryar Mohri)
National Autonomous University of Mexico (UNAM) May 2010
BSc. Mathematics (Graduated with honors and 4.0 GPA)

Professional experience

Google - Research Internships

Large-scale distributed deep boosting algorithm. Summer 2014
Detecting topic leaders in large graphs Summer 2013
Learning to select reserve prices for AdExchange Summer 2012

Courant Institute of Mathematical Sciences

Teaching Assistant - Calculus I, Foundations of Machine Learning 2011 - 2014
Instructor - Calculus I Summer 2011
President of Courant Student Organization 2012 - 2013
Recruiting Chair of CSplash 2012

Honors

- Dean's Dissertation Fellowship (Awarded annually to the most promising Ph.D. thesis across the entire Graduate School of Arts and Sciences) 2015
- Harold Grad Memorial Prize (Awarded annually to the most promising Ph.D. student at the Courant Institute of Mathematical Sciences) 2014
- Distinguished paper award at the NYAS Machine Learning Symposium 2014
- McCracken GSAS doctoral fellowship (Five years of tuition and funding at New York University) 2010
- Medalla Gabino Barreda (equivalent of Magna Cum Laude) (UNAM) 2010

Publications

- Learning Algorithms for Second-Price Auctions with Reserve. Mehryar Mohri and Andrés Muñoz Medina. JMLR (submitted).
- Discrepancy minimization: Adaptation for Classification. Mehryar Mohri, Corinna Cortes and Andrés Muñoz Medina, in preparation 2014.
- Optimal Regret Minimization in Posted-Price Auctions with Strategic Buyers. Mehryar Mohri and Andrés Muñoz Medina. NIPS 2014.
- Revenue Optimization in AdExchange against Strategic Advertisers. Mehryar Mohri and Andrés Muñoz Medina. ICML 2014 Workshop on Optimizing Customer Lifetime Value in Online Marketing.

- Learning Theory and Algorithms for Revenue Optimization in Second-Price Auctions with Reserve. Mehryar Mohri and Andrés Muñoz Medina, in Proceedings of ICML 2014.
- New analysis and algorithm for learning with drifting distributions, Mehryar Mohri and Andrés Muñoz Medina, in Proceedings of ALT 2012.
- Adaptation Algorithm and Theory Based on Generalized Discrepancy. Corinna Cortes, Mehryar Mohri and Andrés Muñoz Medina, <http://arxiv.org/abs/1405.1503>.
- Learning to Select Reserve Prices in GSP Auctions. Mehryar Mohri and Andrés Muñoz Medina, in preparation, 2014.
- A Maxent Formulation and Solution to the Contextual Bandit Problem. Mehryar Mohri, Andrés Muñoz Medina and Scott Yang, in preparation, 2014.
- Bandits with Unbounded Losses. Mehryar Mohri, Andrés Muñoz Medina and Scott Yang, in preparation, 2014.

Skills

Native Spanish speaker, and fluent in German and French.

Advance knowledge of C++, Python, LaTeX, Unix, R, Matlab.