MARTIN SAVESKI

MIT Media Lab
75 Amherst Street
Cambridge, MA 02139

Research Interests: Social Network Analysis, Applied Causal Inference, Experimental Design, Applied Machine Learning, Political Discourse and Polarization Online.

Education

2015—	**Ph.D., Media Arts and Sciences**	
	Massachusetts Institute of Technology	
2014—2015	**M.Sc., Media Arts and Sciences, Fast-tracked**	
	Massachusetts Institute of Technology	
2011—2013	**M.Sc., Data Mining and Knowledge Management, Honors**	
	University Pierre and Marie Curie & Polytechnic University of Catalonia	
2007—2010	**B.Sc., Computing Science, First Class Honors**	
	Staffordshire University	

Research Experience

May—Aug 2016   *LinkedIn*
Experimentation Team, Mountain View (Internship)
- Developed experimental designs for detecting network interference in randomized experiments.

May—Aug 2014   *Amazon*
Machine Learning Team, Berlin (Internship)
- Worked on algorithms for sparsity-inducing learning to rank models.

Feb—Aug 2013   *Yahoo! Labs*
Social Media Engagement Group, Barcelona (Internship)
- Designed algorithms for item cold-start recommendations.

May—Aug 2012   *Laboratory of Computer Sciences, Paris 6*
Machine Learning and Information Retrieval Research Team, Paris (Internship)
- Developed methods for blending generative and discriminative models for semi-supervised learning.

Jan—Aug 2011   *Jožef Stefan Institute*
Department of Knowledge Technologies, Ljubljana
- Built a system for sentiment analysis of financial tweets.

Publications

[Google Scholar profile]

Me, My Echo Chamber, and I: Introspection on Social Media Polarization [pdf]
Nabeel Gillani*, Ann Yuan*, Martin Saveski, Soroush Vosoughi, Deb Roy
WWW'18, International Conference on the World Wide Web. 2018. **(Honorable mention)**

Detecting Network Effects: Randomizing Over Randomized Experiments [pdf]
Martin Saveski*, Jean Pouget-Abadie*, Guillaume Saint-Jacques, Weitao Duan, Souvik Ghosh, Ya Xu, Edo Airoldi
KDD'17: International Conference on Knowledge Discovery and Data Mining. 2017. (Research Track) (=equal contribution)*

Topic Modeling in Twitter: Aggregating Tweets by Conversations [pdf]
    David Alvarez-Melis*, Martin Saveski*
    ICWSM'16: International AAAI Conference on Web and Social Media. 2016. (Short Paper) (=equal contribution)*

Tracking the Yak: An Empirical Study of Yik Yak [pdf]
    Martin Saveski, Sophie Chou, Deb Roy
    ICWSM'16: International AAAI Conference on Web and Social Media. 2016. (Short Paper)

Human Atlas: A Tool for Mapping Social Networks [pdf]
    Martin Saveski, Eric Chu, Soroush Vosoughi, Deb Roy
    WWW'16: International Conference on the World Wide Web. 2016. (Demo)

One-Pass Ranking Models for Low-Latency Product Recommendations [pdf]
    Antonino Freno, Martin Saveski, Rodolphe Jenatton, Cédric Archambeau
    KDD'15: International Conference on Knowledge Discovery and Data Mining. 2015. (Industry Track)

Item Cold-Start Recommendations: Learning Local Collective Embeddings [pdf]
    Martin Saveski, Amin Mantrach
    RecSys'14, ACM Conference Series on Recommender Systems. 2014.

The Geography of Online News Engagement [pdf]
    Martin Saveski, Daniele Quercia, Amin Mantrach
    Socinfo'14: International Conference on Social Informatics. 2014.

Joint Semi-supervised Learning of Hidden Conditional Random Fields and Hidden Markov Models [pdf]
    Yann Soullard, Martin Saveski, Thierry Artières
    Pattern Recognition Letters. 2013.

Web Services for Stream Mining: A Stream-Based Active Learning Use Case [pdf]
    Martin Saveski, Miha Grčar
    ECML PKDD 2011, Workshop on Planning to Learn and Service-Oriented Knowledge Discovery. 2011.

Automatic Construction of Wordnets by Using Machine Translation and Language Modeling [pdf]
    Martin Saveski, Igor Trajkovski
    In Proceedings of Seventh Language Technologies Conference. 2010.

Professional Service

2018—2019 *Program Committee*, ICWSM: AAAI International Conference on Web and Social Media

2017—2018 *Reviewer*, CSCW: Conference on Computer-Supported Cooperative Work and Social Computing

2018 *Reviewer*, Journal of the Royal Statistical Society, Series A (Statistics in Society)

2016 *Program Committee*, Bloomberg Data For Good Exchange

2016 *Reviewer*, ACM Transactions on Information Systems

2015 *Reviewer*, Elsevier Computer Communications, Special Issue on Online Social Networks

2013 *Reviewer*, RecSys: ACM Conference on Recommender systems

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