

# Nick Doudchenko

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Date of birth: February 18, 1985

Languages: English, Russian

Immigration Status: US Permanent Resident

## Education

2012–2018	Ph.D. in Economics, Stanford GSB (Advisors: Guido Imbens, Lanier Benkard, and Ali Yurukoglu)
2015–2018	M.S. in Statistics, Stanford
2010–2012	M.A. in Economics, New Economic School, Moscow, summa cum laude (Advisors: Ruben Enikolopov, Maria Petrova, and Konstantin Sonin)
2002–2007	B.S. in Mathematics, Moscow State University (Advisor: Alexander Mikhalyov)

## Professional Experience

5/2021–	Software Engineer, Google, New York, NY
10/2019–5/2021	AI Resident, Google, New York, NY
7/2018–10/2019	Economist / Data Scientist, Facebook, Menlo Park, CA
6/2017–9/2017	Data Science Intern, Airbnb, San Francisco, CA
6/2010–8/2010	Debt Capital Markets Intern, Troika Dialog, Moscow, Russia

## Research

“Micro-level Discrete Choice Demand Estimation: A Machine Learning Approach,” with Evgeni Drynkin, work in progress

“Synthetic Design: An Optimization Approach to Experimental Design with Synthetic Controls,” with Khashayar Khosravi, Jean Pouget-Abadie, Sebastien Lahaie, Miles Lubin, Vahab Mirrokni, Jann Spiess, and Guido Imbens, *Advances in Neural Information Processing Systems* 34, 2021

“Matrix Completion Methods for Causal Panel Data Models,” with Susan Athey, Mohsen Bayati, Guido Imbens, and Khashayar Khosravi, *Journal of the American Statistical Association*, 2021

“Causal Inference with Bipartite Designs,” with Minzhengxiong Zhang, Evgeni Drynkin, Edoardo Airoldi, Vahab Mirrokni, and Jean Pouget-Abadie, 2020

“Balancing, Regression, Difference-In-Differences and Synthetic Control Methods: A Synthesis,” with Guido Imbens, 2017

“Size Effects and Bargaining Power in the Multichannel Television Industry,” with Ali Yurukoglu, 2016