

Keyon Vafa

Columbia University
Department of Statistics
New York, NY

keyon.vafa@columbia.edu
www.keyonvafa.com

Interests	Machine Learning, Approximate Bayesian Inference, Causal Inference	
Education	Columbia University Ph.D. Statistics Advisor: David Blei	2016 -
	Harvard University B.A. (honors) Computer Science and Statistics	2012 - 2016
Awards and Fellowships	National Science Foundation, Graduate Research Fellow (\$34,000/year)	2016 - 2019
	Columbia University Dean's Fellow (full graduate funding)	2016 -
	Graduated from Harvard magna cum laude	2016
	Elected to Phi Beta Kappa Society	2016
	Awarded high honors for undergraduate thesis	2016
	Bok Center Certificate of Distinction in Teaching	2015
Research Experience	John Harvard Scholar (grade point average in top 5% of class)	2013 - 2015
	Training and Inference for Deep Gaussian Processes Supervised by Alexander Rush	2016
	Proposed the Deep Gaussian Process Sampling algorithm, an approximate inference method for deep Gaussian Processes (a regression model that combines Gaussian processes with deep architectures) as part of undergraduate thesis .	
	Price Discrimination in The Princeton Review's Online SAT Tutoring Service Supervised by Latanya Sweeney	2015
	Uncovered evidence of geographic-based price discrimination for Princeton Review's online tutoring service. Published in Journal of Technology Science , presented to Federal Trade Commission in Washington D.C., and featured in Propublica and on the Today Show on NBC.	

	Predicting Restaurant Hygiene with Yelp Supervised by Michael Luca	2014 - 2015
	<p>Explored using Support Vector Machines and Supervised LDA as methods to predict health inspection scores for restaurants in San Francisco using the text of Yelp reviews.</p>	
Work Experience	Data Science Intern, Facebook Queried data with Apache Hive and Presto to model Facebook traveling patterns, city categorizations, and tourist engagement levels.	2015
	Software Engineering Intern, Facebook As member of Data Science Infrastructure team, created dashboards with relevant statistics for data scientists and implemented historical experiment repository.	2014
Teaching Experience	Department of Computer Science, Harvard University Teaching Fellow, CS 281: Advanced Machine Learning (graduate level) Professor: Finale Doshi-Velez	2015
	Teaching Fellow, CS 181: Introduction to Machine Learning Professor: Ryan Adams	2015
Selected Posters	Training Deep Gaussian Processes with Sampling , <i>NIPS Advances in Approximate Bayesian Inference Workshop</i> , Barcelona, Spain.	2016
Languages and Skills	Python, R, Stan, SQL, Java, PHP English (native), French (advanced), Farsi (proficient) Long distance running (ran 2016 Boston Marathon)	