

# Jean Pouget-Abadie

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## Current

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### Google

*Research scientist, Algorithms & Optimization research group*  
– Research on improving experimentation at Google

**New York City, NY**

*Fall 2018–present*

## Education

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### Harvard University

*PhD in Computer Science, advised by Edoardo M. Airoldi*  
Committee: Edoardo M. Airoldi, David C. Parkes, Donald B. Rubin, Salil Vadhan.

**Cambridge, MA**

*2014–2018*

### École Polytechnique

*Diplôme d'ingénieur*

**Paris, France**

*2011–2014*

## Past research experience

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### Google

*Research intern, Algorithms team. Host: Vahab Mirrokni*  
– Research on improving experimentation at Google.

**New York City, NY**

*Fall 2017–Summer 2018*

### Spotify

*Research intern, Music recommendation team*  
– Research on improving music recommendation at Spotify with the Discover Weekly team.

**New York City, NY**

*Summer 2017*

### LinkedIn

*Research visitor, Analytics team. Host: Ya Xu*  
– Research on improving experimentation at LinkedIn.

**Sunnyvale, CA**

*Fall 2015–Spring 2017*

### Facebook

*Research intern, Core Data Science Team. Host: Udi Weinsberg*  
– Research on improving user privacy at Facebook.

**Menlo Park, CA**

*Summer 2015*

### MILA, Université de Montréal

*Research intern, MILA. Host: Yoshua Bengio*  
– Research on neural networks for French-English translation.  
– Research on neural network models for image generation.

**Montréal, QC, Canada**

*Summer 2014*

## Publications and working papers

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1: Goodfellow, I., Pouget-Abadie, J., Mirza, M., Bing, X., Warde-Farley, D., Ozair, S., Courville, A. and Bengio, Y. *Generative Adversarial Networks*, NIPS 2014.

2: Pouget-Abadie, J., Bahdanau, D., van Merriënboer, B., Cho, K., and Bengio, Y. *Overcoming the Curse of Sentence Length for Neural Machine Translation using Automatic Segmentation*, SSST-8@EMNLP 2014.

3: Pouget-Abadie, J., Horel, T. *Inferring Graphs from Cascades: A Sparse Recovery Framework*, ICML 2015.

- 4: Pouget-Abadie, J. Saveski, M., Duan, W., Ghosh, S., Xu, Ya, Airoidi, E. *Testing for arbitrary interference on experimentation platforms*, arXiv:1704.01190. *Under review*.
- 5: Saveski, M., Pouget-Abadie, J., Duan, W., Ghosh, S., Xu, Ya, Airoidi, E. *Detecting Network Effects: Randomizing over Randomized Experiments*, KDD 2017.
- 6: Basse, G., Pouget-Abadie, J., Tran, D., Xu, Y., Souvik, G., Airoidi, E. *Elements of A/B testing for link recommendation algorithms: key ideas, issues, and uncertainty quantification*, working paper.
- 7: Pouget-Abadie, J., Parkes, D. C., Mirrokni, V., Airoidi, E. M. *Optimizing cluster-based randomized experiments under a monotonicity assumption*, KDD 2018.
- 8: Pouget-Abadie, J. *Dealing with Interference on Experimentation Platforms*, Doctoral dissertation 2018.

## Other professional experience

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**Program committees:** PNAS, JMLR, NIPS, ICML, KDD, WWW

### Harvard University

*Teaching Fellow, Course instructor: Finale Doshi-Velez*  
Teaching Fellow for CS181 *Introduction to Machine Learning*.

Cambridge, MA  
Spring 2016

### French Embassy of Bénin

*Teaching assistant in Mathematics and Physics*  
Teaching assistant in mathematics and physics in Beninese high schools and universities

Cotonou, Bénin  
October–April 2012

## Fellowships & Awards

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2018: NSF Travel Award

2017: Siebel Fellowship: [www.siebelscholars.com](http://www.siebelscholars.com)

Spring 2016: Derek Bok Center Teaching Award: [bokcenter.harvard.edu/awards](http://bokcenter.harvard.edu/awards)

2014: Bourse Carnot: <http://carnot.org>

## Languages

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**Languages:** English (native), French (native), Spanish (professional working proficiency), Mandarin (basic), Dutch (basic), Python (preferred), R (basic), C/C++ (basic)