Bradly C. Stadie

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Education

University of Chicago
  BA in Mathematics (Honors)

Chicago, IL
September 2010- June 2014

University of California, Berkeley
  Ph.D in Statistics

Berkeley, CA
August 2014-August 2018

Publications

Incentivizing Exploration In Reinforcement Learning With Deep Predictive Models.
Bradly C. Stadie, Sergey Levine, Pieter Abbeel
NIPS 2015 Workshop on Deep Reinforcement Learning
arXiv: `https://arxiv.org/pdf/1507.00814.pdf`

Third-Person Imitation Learning
Bradly C. Stadie, Pieter Abbeel, Ilya Sutskever
In the proceedings of the International Conference on Learning Representations (ICLR), Toulon, France, April 2017
arxiv: `https://arxiv.org/pdf/1703.01703.pdf`

One-Shot Imitation Learning
Yan (Rocky) Duan, Marcin Andrychowicz, Bradly C. Stadie, Jonathan Ho, Jonas Schneider, Ilya Sutskever, Pieter Abbeel, Wojciech Zaremba.
In Neural Information Processing Systems (NIPS), Long Beach, California, December 2017.
arXiv: `https://arxiv.org/pdf/1703.07326.pdf`

Simulating the Stochastic Dynamics and Cascade Failure of Power Networks
Charles Matthews, Bradly C. Stadie, Jonathan Weare, Mihai Anitescu, Christopher Demarco
Submitted IEEE Transactions on Power Systems.
arXiv: `https://arxiv.org/pdf/1806.02420.pdf`

Some Considerations on Learning to Explore via Meta-Reinforcement Learning
Bradly C. Stadie, Ge Yang, Rein Houthooft, Xi Chen, Yan Duan, Yuhuai Wu, Pieter Abbeel, Ilya Sutskever
In Neural Information Processing Systems (NIPS), Montreal, Canada, December 2018.
arxiv: `https://arxiv.org/pdf/1803.01118.pdf`

Evolved Policy Gradients
Rein Houthooft, Richard Y. Chen, Phillip Isola, Bradly C. Stadie, Filip Wolski, Jonathan Ho, Pieter Abbeel
In Neural Information Processing Systems (NIPS), Montreal, Canada, December 2018.
arxiv: `https://arxiv.org/pdf/1802.04821.pdf`

Transfer Learning for Estimating Causal Effects using Neural Networks.
Bradly C. Stadie, Soeren R. Kuenzel, Nikita Vemuri, Varsha Ramakrishnan, Jasjeet S. Sekhon, Pieter Abbeel
Submitted to ICLR 2019.
arXiv: `https://arxiv.org/pdf/1808.07804.pdf`

Estimating Causal Effects Using Neural Networks with the Y-Learner
Bradly C. Stadie, Soeren R. Kuenzel, Nikita Vemuri, Jasjeet S. Sekhon
`https://openreview.net/pdf?id=ryxnDoRcK7`

Employment

Vector Institute   Toronto, Canada
Post Doctoral Scholar   *August 2018 - Present*

- Post doctoral researcher at the Vector Institute at the University of Toronto
- Advised by Jimmy Ba and Richard Zemel

Open AI   San Francisco, USA
Research Scientist   *March 2016 - November 2017*

- Full time research scientist at Open AI
- Advised by Ilya Sutskever

AI Expert at Y Combinator   San Francisco, USA
Part-time Partner   *January 2017 - January 2018*

- Advised Y Combinator on the latest trends in AI
- Advised over 50 startups on AI and ML problems

Young Scholars Program/SESAME   Chicago, USA
Counselor   *June 2011 - May 2013*

- Taught Chicago-land high school students and CPS teachers mathematics
- Full time during summers. Every Saturday and Sunday during school year.
- Was head counselor from June 2012-May 2013.

Awards

- **Chancellors Fellowship**: Fellowship given to top entering graduate students in the UC system.

Teaching

- **Statistics 133: Concepts in Computing with Data**. Graduate Student Instructor. *Jan-May 2015*
- **Statistics 088: Introduction to Data Science**. Graduate Student Instructor. *Jan-May 2016*