Keegan W. Harris

Website: keeganharris.github.io

Twitter: @keeganwharris

Link to Google Scholar

Email: keeganh@cs.cmu.edu

EDUCATION

Carnegie Mellon University   Pittsburgh, PA
Machine Learning Ph.D. Student   *August 2020 - Present*
Master of Science - Machine Learning   *December 2022*
Advisors: Nina Balcan and Steven Wu

The Pennsylvania State University   State College, PA
Bachelor of Science - Computer Science (Mathematics minor)   *May 2019*
Bachelor of Science - Physics   *May 2019*
Graduated *summa cum laude*

PUBLICATIONS

CONFERENCE PROCEEDINGS:

1. **Keegan Harris***, Ioannis Anagnostides*, Gabriele Farina, Mikhail Khodak, Zhiwei Steven Wu, and Tuomas Sandholm. *Meta-Learning in Games.* International Conference on Learning Representations (ICLR), 2023.

2. **Keegan Harris**, Valerie Chen, Joon Sik Kim, Ameet Talwalkar, Hoda Heidari, and Zhiwei Steven Wu. *Bayesian Persuasion for Algorithmic Recourse.* Neural Information Processing Systems (NeurIPS), 2022.

3. **Keegan Harris**, Daniel Ngo*, Logan Stapleton*, Hoda Heidari, and Zhiwei Steven Wu. *Strategic Instrumental Variable Regression: Recovering Causal Relationships From Strategic Responses.* International Conference on Machine Learning (ICML), 2022.

4. **Keegan Harris**, Hoda Heidari, and Zhiwei Steven Wu. *Stateful Strategic Regression.* Neural Information Processing Systems (NeurIPS), 2021.

PREPRINTS:

1. Maria-Florina Balcan, **Keegan Harris**, Mikhail Khodak, and Zhiwei Steven Wu. *Meta-Learning Adversarial Bandits.* https://arxiv.org/abs/2205.14128 (Alphabetical order)

2. **Keegan Harris**, Anish Agarwal, Chara Podimata, and Zhiwei Steven Wu. *Strategyproof Decision-Making in Panel Data Settings.* https://arxiv.org/abs/2211.14236

WORKSHOP PAPERS:

1. **Keegan Harris**, Chara Podimata, and Zhiwei Steven Wu. *Strategy-Aware Contextual Bandits.* NeurIPS 2022 Workshop on Distribution Shifts.

AWARDS AND HONORS

AISTATS Top Reviewer   *February 2023*
Awarded to top 10% of AISTATS 2023 reviewers

NDSEG Fellowship   *April 2022*
Graduate fellowship covering 3 years of tuition and stipend

Evan Pugh Senior Scholar Award   *May 2019*
Awarded to senior Penn State students in the top 0.5% of GPA

TALKS

1. *"Bayesian Persuasion for Algorithmic Recourse"*
   Tübingen University, Setareh Maghsudi's Group Meeting (February 2023)
   3rd Symposium on the Foundations of Responsible Computing (June 2022)
   AAMAS 2022, Learning with Strategic Agents Workshop (May 2022, **Oral Presentation**)
   NeurIPS 2021, Workshop on Human and Machine Decisions (December 2021, **Oral Presentation - 6% acceptance rate**)

2. *"Strategyproof Decision-Making in Panel Data Settings"*
   Carnegie Mellon University, FEAT Reading Group (November 2022)

3. *"Allocating Opportunities in a Dynamic Model of Intergenerational Mobility"*
   IJCAI 2022, Best Papers from Sister Conferences Track (July 2022, talk given on behalf of Hoda Heidari and Jon Kleinberg)

4. *"Strategic Instrumental Variable Regression: Recovering Causal Relationships From Strategic Responses"*
   ICML 2022, Spotlight (July 2022, Short Talk)
   AAMAS 2022, Learning with Strategic Agents Workshop (May 2022, **Oral Presentation**)
   ICML 2021, Workshop on Algorithmic Recourse (July 2021, **Spotlight Presentation**)

5. *"Decision Making Under Strategic Responses"*
   Carnegie Mellon University, FATES Summer Series (August 2021)

6. *"Stateful Strategic Regression"*
   2nd Symposium on the Foundations of Responsible Computing (June 2021)
   Carnegie Mellon University, FEAT Reading Group (March 2021)

SERVICE

EXTERNAL REVIEWER:

- ACM Conference on Economics & Computation (EC) 2022
- Conference on Neural Information Processing Systems (NeurIPS) 2021
- Innovations in Theoretical Computer Science (ITCS) 2022
- Symposium on Discrete Algorithms (SODA) 2022

PROGRAM COMMITTEE:

- Conference on Artificial Intelligence and Statistics (AISTATS) 2023
- Conference on Neural Information Processing Systems (NeurIPS) 2022
- International Conference on Machine Learning (ICML) 2023, 2022

SIGECOM:

- SIGecom Seminar Series Co-organizer 2022

UNIVERSITY SERVICE:

- CMU Machine Learning Ph.D. Admissions Committee 2023, 2022
- CMU SCS Graduate Application Support Program 2022, 2020
- CMU Undergraduate AI Mentoring Program 2023, 2022, 2021

WORKSHOP PROGRAM COMMITTEE:

- Learning in Presence of Strategic Behavior (NeurIPS) 2021
- Learning and Decision Making with Strategic Feedback (NeurIPS) 2021
- Trustworthy and Socially Responsible Machine Learning (NeurIPS) 2022

TEACHING

- Teaching Assistant: Advanced Topics in Machine Learning Theory (Fall 2022). Instructor: Nina Balcan