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REFEREED
CONFERENCE
PROCEEDINGS

- **Greedy Approximation Algorithms for Active Sequential Hypothesis Testing.**
NeurIPS 2021
Kyra Gan*, Su Jia*, and Andrew Li
- **Causal Inference with Selectively Deconfounded Data.**
AISTATS 2021
Kyra Gan, Andrew Li, Zachary Lipton, and Sridhar Tayur
- **Machine Learning Algorithms for Predicting Hospital Readmissions in Sickle Cell Disease.**
ASH Annual Conference 2019
Arisha Patel*, Kyra Gan*, Andrew A. Li, Jeremy Weiss, Seyed Mehdi Nouraie, Sridhar Tayur, and Enrico M Novelli.
- **Data Visualization of Agent-Based Modeling of Virus Spread.**
INFOCOMP 2017
Jingyi Gan and Dominique Thiébaud.

JOURNAL
PAPERS

- **Toward a Liquid Biopsy: Greedy Approximation Algorithms for Active Sequential Hypothesis Testing.**
Submitted to *Management Science*
Winner, 2021 INFORMS Pierskalla Best Paper Award
Kyra Gan*, Su Jia*, Andrew Li, and Sridhar Tayur
- **Causal Inference with Selectively Deconfounded Data.**
Management Science 2nd round decision: major revision
Kyra Gan, Andrew Li, Zachary Lipton, and Sridhar Tayur.
- **Personalized Treatment for Opioid Use Disorder.**
2021 CHOW Best Paper in the Category of Operations Research and Management Science
Finalist, 2019 IBM Service Science Best Student Paper Award
Kyra Gan, Alan Scheller-Wolf, and Sridhar Tayur.
- **Machine Learning Algorithms for Predicting Hospital Readmissions in Sickle Cell Disease.**
British Journal of Haematology 2020
Arisha Patel*, Kyra Gan*, Andrew A. Li, Jeremy Weiss, Seyed Mehdi Nouraie, Sridhar Tayur, and Enrico M Novelli.
- **Awarding Additional MELD Points to the Shortest Waitlist Candidates Improves Sex Disparity in Access to Liver Transplant in the United States.**
American Journal of Transplant 2022
Sarah Bernards, Eric Lee, Ngai Leung, Mustafa Akan, Kyra Gan, Huan Zhao, Monika Sarkar, Sridhar Tayur, Neil Mehta

SELECTED
TALKS

- **Greedy Approximation Algorithms for Active Sequential Hypothesis Testing**
Workshop on Quantifying Uncertainty: Stochastic, Adversarial, and Beyond, *Simons Institute for the Theory of Computing*, September 2022
Statistics Colloquium, *Harvard University*, October 2022
- **Contextual Bandits with Budgeted Information Reveal**
IMSI workshop on Machine Learning and Artificial Intelligence for Personalized Medicine, April 2023

POSTER PRE-
SENTATIONS

- **Toward a Liquid Biopsy: Greedy Approximation Algorithms for Active Sequential Hypothesis Testing**
Cornell Young Researchers Workshop 2021, Ithaca, NY, October 7-9
- **Causal Inference with Selectively Deconfounded Data**
AISTATS 2021, Virtual, April
NeurIPS 2019 Causal ML Workshop, Vancouver, BC, Canada, December

¹Alphabetical orders

- **Greedy Approximation Algorithms for Active Sequential Hypothesis Testing**
NeurIPS 2021, Virtual
mDOT Annual Conference, November 2022, Memphis, TN
- **Machine Learning Algorithms for Predicting Hospital Readmissions in Sickle Cell Disease**
American Society of Hematology Annual Conference 2019, Orlando, FL, December
- **Data Visualization of Agent-Based Modeling of Virus Spread**
National Conference on Undergraduate Research, 2017

TEACHING

- **Undergraduate Mathematical Modeling for Consulting, Instructor** Jan - May 2021
Rating: 4.33/5.0
Developed the course material in Jupyter Notebook and Gurobipy
Lectures consisted of business applications and live coding demos
Students were evaluated on ten homeworks, two exams and one group project
- **As Teaching Assistant at CMU**
 - **Machine Learning for Business Analytics** (Undergraduate), Aug - Dec 2020
with Prof. Andrew Li and Prof. Benjamin Moseley
Help develop the course materials including slides, homework, and exams in R
Held office hours and graded homework and exams
 - **Machine Learning for Business Analytics** (Undergraduate), Aug - Dec 2021
with Prof. Andrew Li; graded and held office hours
 - **Machine Learning for Business Applications** (MSBA), March - June 2019, 2020, 2021
with Prof. Zachary Lipton; developed and graded homework and exams
 - **Machine Learning for Business** (MBA), June - July 2020
with Prof. Zachary Lipton; developed and graded homework and exams
 - **Programming in R and Python** (MSBA), Oct - Dec 2019, 2020
with Prof. Zachary Lipton; developed and graded homework and exams
 - **Financial Optimization** (MSCF), Aug - Oct 2019, 2020
with Prof. Javier Peña; graded and proofread Chinese translation of the textbook
 - **Six Sigma Tools and Techniques** (MBA), Oct - Dec 2019, 2020
with Prof. Alan Scheller-Wolf; grader
 - **Advanced Stochastic Analysis and Applications** (Ph.D.), Aug - Dec 2019
with Prof. Mor Harchol-Balter; graded, held office hours, and led recitations
 - **Business, Society & Ethics** (Undergraduate), Jan - May 2019, 2020
with Prof. Joseph Hornack; grader
 - **Business Law** (Undergraduate), Jan - May 2020
with Prof. Joseph Hornack; grader
- **As Teaching Assistant in Smith College**
 - **Number Theory, Calculus I, Abstract Algebra, Introduction to Probability**

COMMUNITY SERVICE

- Co-chairing 2022 INFORMS Pierskalla Award Competition