Nur Kaynar

nur.kaynar@cornell.edu – https://nkaynar.github.io

Academic Appointments

Samuel Curtis Johnson Graduate School of Management
SC Johnson College of Business
Cornell University
Assistant Professor of Operations, Technology and Information Management (OTIM) *2022 - present*

Education

University of California, Los Angeles *2017-2022*
Anderson School of Management
Ph.D. in Decisions, Operations, and Technology Management

Bilkent University, Turkey *2015-2017*
M.Sc., Industrial Engineering

Bilkent University, Turkey *2010-2015*
B.Sc., Industrial Engineering

Publications

Discovering Causal Models with Optimization: Confounders, Cycles, and Feature Selection.
with Auyon Siddiq, Frederick Eberhardt.
Forthcoming, *Management Science*.
Accepted for presentation in the 16^{th} INFORMS Workshop on Data Mining and Decision Analytics.
Available online: http://ssrn.com/abstract=3873034

Estimating Effects of Incentive Contracts in Online Labor Platforms.
with Auyon Siddiq.
Management Science, 2022.

Data-driven decision support tools for assessing the vulnerability of community water systems to groundwater contamination in Los Angeles County.
with Kelsea Best,Aisha Najera Chesler, Michelle Miro, and Rachel Kirpes.
Environmental Science & Policy. 393-400, 2021.

Approaches to analyzing the vulnerability of community water systems to groundwater contamination in Los Angeles County.
with Kelsea Best,Aisha Najera Chesler, Michelle Miro, and Rachel Kirpes.
Research in Mathematics and Public Policy. Springer, Cham, 19-28, 2020.

Equitable decision making approaches over allocations of multiple benefits to multiple entities
with Özlem Karsu.
Omega. 81:85-98, 2017.

Working Papers

Long-Term Policy Impact Estimation with Causal Structure Learning.
with Dmitry Mitrofanov. In preparation.

Causal Product Networks: Discovery and Applications for Basket Shopping.
with Vishal Gaur and Ziwei Zhu. In preparation.

Teaching

Johnson Graduate School of Management **Cornell University**

Introduction to Python for Business, MBA program — *Spring 2023*

Anderson School of Management, **University of California, Los Angeles**

Optimization, Master of Business Analytics Program Teaching Assistant — *2020 - 2022*

Data and Decisions, MBA Program Teaching Assistant — *2019 - 2021*

Conferences and Talks

Discovering Causal Models with Optimization

London Business School Seminar, September 2023

Johns Hopkins Carey Business School, October 2023

INFORMS Annual Meeting, October 2023

Cornell Bower CIS, Department of Statistics and Data Science Seminar, November 2023

16^{th} INFORMS Workshop on Data Mining and Decision Analytics, October 2021

INFORMS Annual Meeting, October 2021

INFORMS Healthcare Conference, July 2021

California Institute of Technology, HSS Seminar, July 2021

Imperial-LBS-UCL ORMS Seminars, June 2021

MSOM Conference, June 2021

INFORMS Annual Meeting, November 2020

Estimating Effects of Incentive Contracts in Online Labor Platforms

INFORMS Annual Meeting, October 2019

A Spatial Model of the Opioid Epidemic in California

INFORMS Annual Meeting, October 2018

Handling Multi-Dimensional Efficiency and Equity Concerns

National Operations Research and Industrial Engineering Congress, Turkey, June 2016

Service

Session chair (Causal Inference: Data Corruption, Debiasing, and Causal Inference), INFORMS Annual Meeting, 2022.

Session co-chair (Causality, Machine Learning, and Optimization, with Auyon Siddiq), INFORMS Annual Meeting, 2021.

Member of the technical program committee and referee for 20^{th} IEEE 2021 International Conference on Machine Learning and Applications (ICMLA, 2021).

Referee for 37^{th} Conference on Uncertainty in Artificial Intelligence (UAI, 2021).

Committee member for 8^{th} Causal Inference Workshop at 37^{th} Conference on Uncertainty in Artificial Intelligence (UAI, 2021).

Workshops

Workshop on Research Design for Causal Inference, 2022. **Northwestern Pritzker School of Law**.

Causality, 2022. **Simons Institute for Theory and Computing**, University of California, Berkeley.

Causal Discovery & Causality-Inspired Machine Learning, 2020. **Conference on Neural Information Processing Systems (NeurIPS)**.

Women in Mathematics and Public Policy, 2019. **Institute for Pure & Applied Mathematics**, University of California, Los Angeles.