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EDUCATION

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| 2024 (expected) | Ph.D. in Economics, University of Oklahoma, Norman, OK
Dissertation: Network Science Applications in Industrial Organization.
Chair: Georgia Kosmopoulou |
| 2019 | M.S. in Economics, East Carolina University, Greenville, NC |
| 2019 | M.S. in Computer Science, East Carolina University, Greenville, NC |
| 2015 | M.S. in Management Engineering, Politecnico di Milano, Milan, Italy |
| 2010 | B.S. in Industrial Engineering, University of Tehran, Tehran, Iran |

RESEARCH FIELDS

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| Primary: | Applied Microeconomics, Industrial Organization |
| Secondary: | Machine Learning Applications |

PUBLICATION

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| 2023 | “Technology Use, Work Adaptation, and Economic Vulnerability During COVID-19” (with G. Kosmopoulou, S. Connely, Y. Gujar, M. Fichtel, and H. Sun), <i>Southern Economic Journal</i> , 90, 1 2023, 31-34. (First Author) |
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JOB MARKET PAPER

“Networks, Platforms, and Auction Pricing: Evidence from the NFT Art Market” (with Georgia Kosmopoulou and Carlos Lamarche)

In this paper, we study the Non-fungible Token (NFT) art marketplace to gain insights into how trading networks, platform connections, and social media interactions impact prices. We focus on the interdependence among artists, collectors, and sellers, each with varying levels of influence and visibility. Our findings reveal differential effects on the price distribution: for lower-valued NFTs, seller trading networks primarily dictate prices, whereas for higher-valued NFTs, the influence of platform connections, specifically popularity, emerges as a critical pricing factor. Buyers often perceive extensive trading networks as validation for higher bids, while involvement in the platform community and social media interactions appear to have no bearing on prices. Our research underscores that in decentralized markets, the power to set prices rests to a large extent with trading networks and platform connections, while their relative influence varies based on the NFT's value.

WORKING PAPERS

“Network Dynamics in The US Airline Industry” (with Lei He, Myongjin Kim, and Georgia Kosmopoulou)

We study the evolution of subcontracting networks of airline carriers in the U.S. and the effect of COVID-19 on competition and cooperative behaviors in the airline industry. We show how shelter-in-place restrictions during the pandemic affected the market and altered the subcontracting networks of airlines. Using Bayesian estimation, we find the probability of link formation based on the rivals’ network, past relationships, and types of service. Additionally, we examine the impact of shelter-in-place restrictions on the market exit decisions of regional airlines.

“Airline Route Networks and Subcontracting in the Pandemic Era” (with Lei He, Myongjin Kim, Georgia Kosmopoulou, and Qihong Liu)

We investigate the route network decisions made by airline carriers in the United States and the impact of pandemic-related restrictions on these networks. Our modeling approach enables us to examine airlines’ decisions regarding the complete route network, instead of focusing on route choices at the market level. We estimate the likelihood of selecting a route network based on the past network, network of competitors, and characteristics of the routes.

WORKS IN PROGRESS

“Beyond Value: Investigating Reputation Effect on Resale Prices in NFT Auctions.”

“The Impact of Artificial Intelligence on Reallocation of High Skill Workers” (with Pallab Ghosh)

PRESENTATIONS

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| 2023 | “Networks, Platforms, and Auction Pricing: Evidence from the NFT Art Market”, Southern Economic Association Conference, New Orleans LA (scheduled)
“Network Dynamics in The US Airline Industry”, Conference on Network Science and Economics, Blacksburg VA
“Network Dynamics in The US Airline Industry”, OU Ph.D. Economics Conference, Norman, OK |
| 2022 | “Technology Use, Work Adaptation, and Economic Vulnerability During COVID-19”, PREPARE NSF PI projects 2nd Annual Meeting, Virtual
“Network Dynamics in The US Airline Industry”, Southern Economic Association Conference, Fort Lauderdale FL |

FELLOWSHIPS & AWARDS

- 2023 Dodge Family College of Arts and Science Dissertation Completion Fellowship, University of Oklahoma
Chong Liew Summer Research Award 1st Place, University of Oklahoma
- 2022 Dodge Family College of Arts and Science Dissertation Research Fellowship, University of Oklahoma
- 2021 Chong Liew Summer Research Honorable Mention Award, University of Oklahoma
- 2020 Chong Liew Runner Up, Outstanding First-Year Student, University of Oklahoma

TEACHING EXPERIENCE

- 2023 (Guest Lecture) Advanced Price and Welfare Theory (Fall), University of Oklahoma
Principles of Economics - Macro (Summer), University of Oklahoma
- 2022 Principles of Economics - Micro (Fall), University of Oklahoma
Elements of Statistics (Summer), University of Oklahoma
- 2021 Intermediate Microeconomics (Summer), University of Oklahoma

EMPLOYMENT

- 2022- Graduate Research Assistant, University of Oklahoma, Norman, OK
- 2020-2022 Research Assistantship, NSF grad award (#2027332) S. Connelly (PI), G. Kosmopoulou (co-PI), H. Sun (co-PI)
- 2019-2020 Graduate Teaching Assistant, University of Oklahoma, Norman, OK.
- 2017-2019 Graduate Assistant, East Carolina University, Greenville, NC.
- 2015-2017 Business Analyst, Bcube S.p.A., Caorso, Italy.
- 2010-2013 Project Manager, Niroo Research Institute, Tehran, Iran.

REFeree EXPERIENCE

- 2023 Southern Economic Journal

SERVICES

- 2021-2023 Senator, Graduate Student Senate, Ways and Means Committee, University of Oklahoma
- 2021 Graduate Student Member, Faculty Search Committee, Department of Economics, University of Oklahoma

SKILLS

Coding Expertise:	Python, Stata, R, C++, \LaTeX , MATLAB, SQL, and Git
Coding Experience:	Julia, Java, SAS, and SLURM
Languages:	English (Fluent), Italian (Advanced), and Persian (Native)

REFERENCES

Georgia Kosmopoulou

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Dodge Family College of Arts and Sciences, University of Oklahoma
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