Charikleia (Chara) Podimata Class of 1942 Career Development Professor Assistant Professor of OR/Stat at MIT podimata@mit.edu https://www.charapodimata.com

RESEARCH INTERESTS	trustworthy & human-aware ML, decision making under uncertainty, AI policy-making, algorithmic fairness, online learning, topics at the interface of CS, Economics & ML		
EMPLOYMENT	Assistant Professor OR/Stat, MIT Sloan Lead Researcher, Archimedes/Athena RC Postdoctoral Fellow, UC Berkeley, CA	Jun. 2023 - present Jun. 2023 - present Aug. 2022 - Jul. 2023	
EDUCATION	Harvard University, Cambridge, MA Ph.D in Computer Science Dissertation: "Incentive-Aware Machine Learning for Decisi Advisor: Yiling Chen	Aug. 2016 - Nov. 2022 cision Making"	
	National Technical University of Athens, Greece Diploma in Electrical Engineering and Computer Science (5 GPA: 9.47/10 Thesis: "Approximations of Liquid Welfare for Combinatoria Advisor: Dimitris Fotakis	• • • • ,	
SELECTED HONORS & AWARDS	x-grant from the MacArthur Foundation Class of 1942 Career Development Professor Amazon Research Award FODSI Postdoctoral Fellowship Siebel Scholarship MSR Dissertation Grant Rising Stars in EECS in Berkeley Poster Honorary Mention 14th Annual ML Symposi Finalist for 2020 Facebook PhD Fellowship (top 4%) Spotlight 2nd Place Prize, 13th Annual ML Sympos Finalist of the 2019 Microsoft Research PhD Fellow Certificate of Distinction in Teaching, Harvard Univer Among 5 papers shortlisted for Best Paper Award,	2020 ium (NYAS) 2019 ship 2019 sity 2017, 2018	
TUTORIALS	Incentive-Aware Machine Learning: A Tale of Robe provement, and Performativity NeurIPS 2022 [https://charapodimata.com/NeurIPS22-tutorial.html Do we incentivize honest effort or gaming in incenti "Optimizing the Efforts of Others" workshop at STOC22 (i [https://www.charapodimata.com/files/presentations	Dec. 2022] ve-aware learning? nvited) Jun. 2022	

	Algorithms for Incentive-Aware Learning Full-day course in the University of Zurich summer school (invited)	Jun. 2021
	run-day course in the University of Zurich summer school (invited)	Juii. 2021
	How to Achieve Both Transparency and Accuracy in Predic Making: an Introduction to Strategic Prediction, FAccT21 Co-taught with Benjamin Edelman and Yonadav Shavit [https://www.benjaminedelman.com/tutorial.html]	tive Decision Mar. 2021
	Incentive-Compatible and Incentive-Aware Learning, EC20 Co-taught with Nika Haghtalab [https://www.charapodimata.com/EC20-tutorial.html]	Jun. 2020
TEACHING	Instructor, MIT Sloan Courses	
	Data, Models, and Decisions (MIT 15.060) Common Experience (MIT 15.090)	Fall 2023, 2024 Summer 2024
	Teaching Fellow, Harvard UniversityFall 2017, FallCourse: Introduction to Optimization (AM121)Instructor (2017, 2018): Yiling ChenInstructor (2020): Yiling Chen & Margo Levine	2018, Fall 2020
	Teaching Assistant, NTUA , Greece <i>Courses:</i> Introduction to programming (PaZcal), Algorithms and Co <i>Instructor</i> : Dimitris Fotakis	Fall 2015 mplexity
ADVISING	Valia Efthymiou PhD student at MIT ORC	2024 - present
	Nicolas Emmenegger PhD student at MIT ORC	2024 - present
	Ekaterina Fedorova PhD student at UPenn visiting MIT	2023 - present
	Zijie (Jerry) Zhou (co-advised with P. Jaillet) PhD student at MIT ORC	2023 - present
	Apostolis Tsorvantzis (co-advised with D. Fotakis, C. Caramanis) PhD student at Archimedes AI/Athena RC	2023 - present
	Chrysa Oikonomou (co-advised with K. Sotiraki) PhD student at Archimedes AI/Athena RC	2023 - present
	Madeline Celi Kitch Predoctoral RA at MIT	2024 - 2025
PUBLICATIONS (Alphabetical Autho Order)	r Journals	

Contextual Search in the Presence of Adversarial Corruptions

Akshay Krishnamurthy, Thodoris Lykouris, Chara Podimata, and Robert Schapire Operations Research 2022 (OR22) [https://arxiv.org/pdf/2002.11650.pdf]

.ps.//arxiv.org/pdr/2002.11050.pdr

Conferences

When Should you Offer an Upgrade: Online Upgrading Mechanisms for Resource Allocation

Patrick Jaillet, Chara Podimata, Andrew Vakhutinsky, and Zijie Zhou In Proc. of the 20th Conference on Web and Internet Economics (WINE24) Submitted to Operations Research Finalist of 2024 INFORMS Service Science Best Student Paper Competition [https://arxiv.org/abs/2402.08804]

Grace Period is All You Need: Individual Fairness without Revenue Loss in Revenue Management

Patrick Jaillet, Chara Podimata, and Zijie Zhou In Proc. of the 20th Conference on Web and Internet Economics (WINE24) Submitted to MSOM [https://arxiv.org/abs/2402.08533]

Is Knowledge Power? On the (Im)possibility of Learning from Strategic Interactions

Nivasini Ananthakrishnan, Nika Haghtalab, Chara Podimata, and Kunhe Yang In Proc. of the 38th Conf. of Neural Information Processing Systems (NeurIPS24) [https://arxiv.org/pdf/2408.08272]

Preferences Evolve and So Should your Bandits: Bandits with Deterministically Evolving States

Khashayar Khosravi, Renato Paes Leme, Chara Podimata, and Apostolis Tsorvantzis In Proc. of the 25th conference on Economics and Computation (EC24) Submitted to Operations Research

[https://arxiv.org/pdf/2307.11655.pdf]

Can Probabilistic Feedback Drive User Impacts in Online Platforms?

Jessica Dai, Bailey Flanigan, Meena Jagadeesan, Nika Haghtalab, and Chara Podimata

In Proc. of the 27th International Conference on Artificial Intelligence and Statistics (AISTATS24) [https://arxiv.org/pdf/2401.05304]

Strategyproof Decision-Making in Panel Data Settings and Beyond

Keegan Harris, Anish Agarwal, Chara Podimata, and Steven Zhiwei Wu In ACM SIGMETRICS Performance Evaluation Review 2024 (SIGMETRICS24) In preparation for Operations Research [http://arxiv.org/abs/2211.14236]

Calibrated Stackelberg Games: Learning Optimal Commitments Against Calibrated Agents

Nika Haghtalab, Chara Podimata, and Kunhe Yang

In Proc. of the 37th Conf. of Neural Information Processing Systems (NeurIPS23) Spotlight

In preparation for Operations Research [https://arxiv.org/pdf/2306.02704.pdf]

Strategic Apple Tasting

Keegan Harris, Chara Podimata, and Steven Zhiwei Wu In Proc. of the 37th Conf. of Neural Information Processing Systems (NeurIPS23) [https://arxiv.org/pdf/2306.06250.pdf]

Corruption-Robust Contextual Search through Density Updates

Renato Paes Leme, Chara Podimata, and Jon Schneider In Proc. of the 35th Annual Conference on Learning Theory (COLT22) Submitted to Operations Research [https://arxiv.org/pdf/2206.07528.pdf]

Information Discrepancy in Strategic Learning

Yahav Bechavod, Chara Podimata, Zhiwei Steven Wu, and Juba Ziani In Proc. of the 39th International Conference on Machine Learning (ICML22) [https://arxiv.org/pdf/2103.01028.pdf]

Contextual Search in the Presence of Irrational Agents

Akshay Krishnamurthy, Thodoris Lykouris, Chara Podimata, and Robert Schapire In the Proc. of the 53rd ACM Symposium on Theory of Computing (STOC21) Operations Research 2022 [https://arxiv.org/pdf/2002.11650.pdf]

Adaptive Discretization for Adversarial Lipschitz Bandits

Chara Podimata and Aleksandrs Slivkins In the Proc. of the 34th Annual Conference on Learning Theory (COLT21) In preparation for Operations Research [https://arxiv.org/pdf/2006.12367.pdf]

Learning Strategy-Aware Linear Classifiers

Yiling Chen, Yang Liu, and Chara Podimata In Proc. of the 34th Conf. on Neural Information Processing Systems (NeurIPS20) [https://arxiv.org/pdf/1911.04004.pdf]

No-Regret and Incentive-Compatible Online Learning

Rupert Freeman, David Pennock, Chara Podimata, and Jennifer Wortman Vaughan In Proc. of the 37th International Conference on Machine Learning (ICML20) Poster Presentation Honorary Mention 14th Annual ML Symposium (NYAS). [https://arxiv.org/pdf/2002.08837.pdf]

Strategyproof Linear Regression in High Dimensions: An Overview Yiling Chen, Chara Podimata, Ariel D. Procaccia, and Nisarg Shah ACM SIGEcom Exchanges (Research Letter) Invited [https://www.sigecom.org/exchanges/volume_17/1/CHEN.pdf]

A Bridge between Liquid and Social Welfare in Combinatorial Auctions with Submodular Bidders Dimitris Fotakis, Kyriakos Lotidis, and Chara Podimata In Proc. of the 33rd AAAI Conference on Artificial Intelligence (AAAI19) [https://arxiv.org/pdf/1809.01803v1.pdf]

Learning to Bid Without Knowing your Value

Zhe Feng, Chara Podimata, and Vasilis Syrgkanis In Proc. of the 19th ACM Conference on Economics and Computation (EC18) Spotlight award 2nd place prize at the 13th Annual ML Symposium (NYAS). [https://arxiv.org/abs/1711.01333]

Strategyproof Linear Regression in High Dimensions

Yiling Chen, Chara Podimata, Ariel D. Procaccia, and Nisarg Shah In Proc. of the 19th ACM Conference on Economics and Computation (EC18) Among the 5 shortlisted papers for the Best Paper Award Submitted to JMLR [https://arxiv.org/pdf/1805.10693.pdf]

Preprints

LLMs and Election Information: A Longitudinal Study on the US 2024 Presidential Election Sarah H. Cen, Hedi Driss, Aspen Hopkins, Andrew Ilyas, Aleksander Madry, Charlotte Park, and Chara Podimata In preparation for Science

Black-box Counterfactual Auditing with LLMs Sarah H. Cen, Hedi Driss, Andrew Ilyas, and Chara Podimata In preparation for Science

Collaborative Filtering and User Activism Ekaterina Fedorova, Madeline Celi Kitch, and Chara Podimata **In preparation for Management Science**

Characterizing Gaming vs Improvement in Causal Strategic Classification for Complete and Incomplete Information Settings Valia Efthymiou, Chara Podimata, Diptangshu Sen, and Juba Ziani In preparation for Management Science

Contextual Dynamic Pricing with Heterogeneous Buyers Thodoris Lykouris, Sloan Nietert, Princewill Okoroafor, Chara Podimata, and Julian Zimmert In preparation for Operations Research

LLM Inference with Exploding KV Cache Demands Patrick Jaillet, Jiashuo Jiang, Chara Podimata, and Zijie Zhou In preparation for Management Science

Recommending to Strategic Users Andreas Haupt, Chara Podimata, and Dylan Hadfield-Menell **In preparation for Communications of the ACM**

[https://arxiv.org/pdf/2302.06559.pdf]

SELECTED INVITED TALKS	Black-box Counterfactual Auditing Using LLMs 2024 INFORMS Annual Meeting, Seattle, WA	Oct. 2024
	Calibrated Stackelberg Games: Learning Optimal Commitments Agains	
	Calibrated Agents PLICDS ML Sumposium	Nov. 2024
	BU CDS ML Symposium BIRS Workshop on "New Directions in ML"	Oct. 2024
	MIT ORC seminar	Mar. 2024
	CU Boulder theory seminar	Aug. 2024
	CO boulder theory seminar	Aug. 2024
	The Disparate Effects of Recommending to Strategic Users	
	Recommendations Ecosystem Workshop (AAAI24)	Feb. 2024
	Workshop on Fairness in Operations and AI (Columbia IEOR)	Nov. 2023
	2023 INFORMS Annual Meeting, Phoenix, AZ	Oct. 2023
	The Future of AI and Economics (Harvard Business School)	Sep. 2023
	Stanford RAIN Seminar	May 2023
	Morgan Stanley ML research seminar	Aug. 2023
	Information Discrepancy in Strategic Learning	
	TOC4Fairness Online Seminar Series	Oct. 2022
	10041 anness Onnie Sennar Series	000.2022
	Corruption-Robust Contextual Search	
	Simons institute workshop on "Quantifying Uncertainty"	Sep. 2022
	Adaptive Discretization for Adversarial Lipschitz Bandits 2022 INFORMS Annual Meeting, Indianapolis, IN	Oct. 2022
	The second second in Desident Desider Maline and	T
	Transparency and Accuracy in Predictive Decision Making: an tion to Stratogia Prediction	Introduc-
	tion to Strategic Prediction	
	Quant Seminar at the U.S. Securities and Exchange Commission	Apr. 2022
	Incentive-Aware Machine Learning for Decision-Making	
	University of Michigan, IOE Department	Jan. 2022
	MIT Sloan, OR/Stat Group	Jan. 2022
	Cornell, ORIE Department	Jan. 2022
	USC Marshall, OM Group	Jan. 2022
	Stanford GSB, OIT Group	Jan. 2022
	CMU Tepper, OR Group	Feb. 2022
	TTIC	Feb. 2022
	UChicago, Data Science $+$ CS	Feb. 2022
	Northeastern, CS Department	Feb. 2022
	Cornell, Information Science Department	Feb. 2022
	Columbia, IEOR Department	Feb. 2022
	Yale, Stats and Data Science	Feb. 2022
	UC Berkeley, Statistics Department	Mar. 2022
	MIT EECS, $AI + D$	Mar. 2022
	US General Services Administration Data Science Seminar	May 2022
	CMU's 5th YinzOR Conference (plenary talk)	Aug. 2022

	 Contextual Search in the Presence of Irrational Agents 2021 INFORMS Annual Meeting, Anaheim, CA Cornell Young ORIE Researchers Workshop BU Algorithms and Theory Seminar NEU Theory Lunch Stanford Information Systems Laboratory Colloquium Amazon Ads Learning Strategy-Aware Linear Classifiers 2020 INFORMS Annual Meeting, Online. Northeastern University Theory Seminar	Oct. 2021 Oct. 2021 Oct. 2021 Nov. 2021 Jan. 2022 Apr. 2022 Nov. 2020 Nov. 2019		
	Learning to Bid Without Knowing your Value 2018 INFORMS Annual Meeting, Phoenix, Arizona. Google NYC, Algorithms Seminar. Yahoo! Research NYC, Algorithms Seminar.	Nov. 2018 Jul. 2018 Jun. 2018		
PROFESSIONAL SERVICE	Senior Area Chair: NeurIPS2024			
	Area Chair: NeurIPS2023			
	Senior PC: WWW2025, COLT2024			
	PC Member: EC2025, FORC2025, FORC2024, EC2024, ICML2024, FAccT2024 WINE2023, COLT 2020-2023, FORC23, EAAMO22-23, NeurIPS2022, ICML2022 2023, FAccT2022, WINE 2021, ICML2021 (Best Reviewers Award), NeurIPS 2020 2021 (Best Reviewers Award), IJCAI 2020, Emerging Track on AI for Social Impac (AAAI-20, AAAI-21)			
	Journal Refereeing: Annals of Statistics, Journal of American ciation (JASA), Management Science (MS), Operations Research Economics and Statistics, Artificial Intelligence Journal (AIJ), Tra- chine Learning Research (TMLR), Journal of Machine Learning R IEEE Transactions on Control of Network Systems (TCNS), Theo Science (TCS), Theory of Computing Systems (ToCS)	(OR), Review of insactions of Ma- esearch (JMLR),		
INTERNSHIPS	Research Intern, Microsoft Research NYC Research Intern, Microsoft Research NYC	May - Aug., 2021 Feb May, 2020 May - Aug., 2019 Feb Aug. 2016		
COMMUNITY SERVICE	LeT-All podcast creator, producer & host EC Mentoring Workshop, Presenter for "How-To" talk LeT-All, Volunteer Panelist EC Mentoring Workshop, Volunteer Panelist LeT-All, Volunteer Teaching Assistant TA at Nicole Immorlica's session on Peer Review Google Serve, Athens, Greece, Volunteer Project: Building a playground for refugee kids in the refugee camp (Organizing 1st Girls Day event at Google, Greece As part of my participation at Women@Google	2024- EC23 Oct. 2022 EC 2022 ALT 2022 June 2016 Elaionas, Greece) Mar. 2016		

Instructor at Code it Like a Girl, Athens, Greece May 2015 - Sep. 2016 Code it Like a Girl is a volunteering start-up teaching coding to women of all ages. Free tutoring for children of impoverished families, Athens, Greece 2012-2014