

**HSI Researcher Publications Academic Year 2023 – 2024**

<b>Author</b>	<b>HSI Co-Author</b>	<b>Publication Name</b>	<b>Year</b>	<b>Title</b> (* - Abstract only available)
<a href="#">Dimitris Bertsimas</a>		The Lancet Oncology	2024	<a href="#">Interpretable artificial intelligence to optimise use of imatinib after resection in patients with localised gastrointestinal stromal tumours: an observational cohort study</a>
<a href="#">Dimitris Bertsimas</a>		INFORMS Journal on Applied Analytics	2024	<a href="#">Optimization Automates Emergency Department Nurse Scheduling at Hartford Hospital</a>
<a href="#">Dimitris Bertsimas</a>		The Annals of Thoracic Surgery	2024	<a href="#">Congenital heart surgery machine learning-derived in-depth benchmarking tool</a>
<a href="#">Dimitris Bertsimas</a>	<a href="#">Nikos Trichakis</a>	Operations Research	2024	<a href="#">Reshaping national organ allocation policy *</a>
<a href="#">Dimitris Bertsimas</a>		Management Science	2024	<a href="#">Hospital-wide inpatient flow optimization</a>
<a href="#">Dimitris Bertsimas</a>		MedRxiv		<a href="#">An artificial-intelligence interpretable tool to predict risk of deep vein thrombosis after endovenous thermal ablation</a>
<a href="#">Dimitris Bertsimas</a>		arXiv	2024	<a href="#">M3H: Multimodal Multitask Machine Learning for Healthcare</a>
<a href="#">Dimitris Bertsimas</a>		Surgery	2023	<a href="#">Use of artificial intelligence for nonlinear benchmarking of surgical care</a>
<a href="#">Dimitris Bertsimas</a>		arXiv	2023	<a href="#">The R.O.A.D. to precision medicine *</a>
<a href="#">Dimitris Bertsimas</a>		JAMA Surgery	2023	<a href="#">Pediatric cervical spine injury following blunt trauma in children younger than 3 years: the PEDSPINE II study</a>
<a href="#">Dimitris Bertsimas</a>		International Journal of Radiation Oncology*Biology*Physics	2023	<a href="#">Automated Segmentation of Sacral Chordoma and Surrounding Muscles Using Deep Learning Ensemble</a>

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<a href="#">Dimitris Bertsimas</a>		EClinicalMedicine	2023	<a href="#">An interpretable AI model for recurrence prediction after surgery in gastrointestinal stromal tumour: an observational cohort study *</a>
<a href="#">Dimitris Bertsimas</a>		JAMA Surgery	2023	<a href="#">Development of a Machine Learning–Based Prescriptive Tool to Address Racial Disparities in Access to Care After Penetrating Trauma</a>
<a href="#">Dimitris Bertsimas</a>		Journal of Trauma and Acute Care Surgery	2023	<a href="#">Artificial intelligence versus surgeon gestalt in predicting risk of emergency general surgery *</a>
<a href="#">Dimitris Bertsimas</a>		JCO Clinical Cancer Informatics	2023	<a href="#">Personalized Breast Cancer Screening *</a>
<a href="#">Dimitris Bertsimas</a>	<a href="#">Nikos Trichakis</a>	INFORMS Journal on Applied Analytics	2023	<a href="#">Applying analytics to design lung transplant allocation policy *</a>
<a href="#">Dimitris Bertsimas</a>		The American Journal of Surgery	2023	<a href="#">High-performance pediatric surgical risk calculator: a novel algorithm based on machine learning and pediatric NSQIP data</a>
<a href="#">Mert Demirer</a>		Journal of Political Economy: Microeconomics	2024	<a href="#">Drug rebates and formulary design: Evidence from statins in Medicare Part D</a>
<a href="#">Joseph Doyle</a>		ASHEcon 2024 Conference	2024	<a href="#">Sharing Is Caring: The Role of Health Information Exchange on Patient Care</a>
<a href="#">Joseph Doyle</a>		Health Affairs	2024	<a href="#">The Camden Coalition Care Management Program Improved Intermediate Care Coordination: A Randomized Controlled Trial</a>
<a href="#">Joseph Doyle</a>		JAMA Internal Medicine	2024	<a href="#">Effect of an intensive food-as-medicine program on health and health care use: a randomized clinical trial *</a>

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<a href="#">Jónas Jónasson</a>		Management Science	2024	<a href="#">Robust combination testing: Methods and application to COVID-19 detection</a>
<a href="#">Kate Kellogg</a>		PLOS Digital Health	2024	<a href="#">Development and preliminary testing of Health Equity Across the AI Lifecycle (HEAAL): A framework for healthcare delivery organizations to mitigate the risk of AI solutions worsening health inequities</a>
<a href="#">Kate Kellogg</a>		MIT GEN AI COLLECTION: <a href="https://mit-genai.pubpub.org/">https://mit-genai.pubpub.org/</a>	2024	<a href="#">Implementing Generative AI in U.S. Hospital Systems</a>
<a href="#">Andrew Lo</a>		Nature Medicine	2024	<a href="#">How to pay for individualized genetic medicines *</a>
<a href="#">Andrew Lo</a>		PLOS One	2024	<a href="#">How does news affect biopharma stock prices?: An event study</a>
<a href="#">Alexey Makarin</a>		SSRN Working Paper	2024	<a href="#">The Impact of Dating Apps on Young Adults: Evidence From Tinder</a>
<a href="#">Georgia Perakis</a>		Production and Operations Management	2024	<a href="#">A Granular Approach to Optimal and Fair Patient Placement in Hospital Emergency Departments *</a>
<a href="#">Georgia Perakis</a>		Annals of Emergency Medicine	2024	<a href="#">A Granular View of Emergency Department Length of Stay: Improving Predictive Power and Extracting Real-Time, Actionable Insights</a>
<a href="#">David Rand</a>		Science	2024	<a href="#">Quantifying the impact of misinformation and vaccine-skeptical content on Facebook</a>
<a href="#">David Rand</a>		Journal of Adolescent Health	2024	<a href="#">Increasing Vaccination Intentions Among Young Women</a>
<a href="#">David Rand</a>		Nature	2024	<a href="#">A synthesis of evidence for policy from behavioural science during COVID-19</a>
<a href="#">Nikos Trichakis</a>	<a href="#">Dimitris Bertsimas</a>	Operations Research	2024	<a href="#">Reshaping national organ allocation policy</a>

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<a href="#">Nikos Trichakis</a>		Frontiers in Public Health	2024	<a href="#">On the impact of mass screening for SARS-CoV-2 through self-testing in Greece</a>
<a href="#">Nikos Trichakis</a>	<a href="#">Dimitris Bertsimas</a>	INFORMS Journal on Applied Analytics	2023	<a href="#">Applying analytics to design lung transplant allocation policy *</a>
<a href="#">Michael Whinston</a>		The Review of Economic Studies	2024	<a href="#">Optimal Long-Term Health Insurance Contracts: Characterization, Computation, and Welfare Effects</a>