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James P. Minas

Education

Ph.D. (Operations Research & Statistics), Royal Melbourne Institute of Technology, 2013

B.Sc., University of Melbourne, 2001

Academic Appointments

Cornell University, Samuel Curtis Johnson Graduate School of Management
Lecturer in Operations, Technology, and Information Management, 2024 - present

Syracuse University, Whitman School of Management
Assistant Teaching Professor of Business Analytics, 2024

St. John's University, Peter J. Tobin College of Business
Assistant Professor of Business Analytics, 2021 - 2023
Director, BS in Business Program, 2022 - 2023

Ithaca College, School of Business
Assistant Professor of Business Analytics and Decision Sciences, 2019 - 2021

State University of New York at New Paltz, School of Business
Assistant Professor of Decision Sciences, 2015 - 2019

Wilfrid Laurier University, Lazaridis School of Business and Economics
Assistant Professor of Operations and Decision Sciences (Limited Term), 2014 - 2015

Research Publications

Journal Articles

JP Minas, JW Minas, Y Lim (2023) "A cluster analysis of individual taxpayers: What are the characteristics of taxpayers who realise capital gains?", *Australian Tax Forum*, 38(2)

H Jahani, B Abbasi, SZ Hosseinifard, M Fadaki, JP Minas (2021), "Disruption risk management in service level agreements", *International Journal of Production Research*, 59(1)

JW Minas, JP Minas (2021) "Deductions for work related expenses in Australia: An analysis of options for reform", *Australian Tax Forum*, 36(1)

JP Minas, NC Simpson, Z Tacheva (2020), "Modeling emergency response operations: A theory building survey", *Computers & Operations Research*, 119

JP Minas, NC Simpson, Z Tacheva (2020), "Complete bibliographic data, cluster assignments and combined citation network of emergency response operations research extant literature", *Data in Brief,* 31

O Alamri, B Abbasi, JP Minas, P Zeephongsekul (2018), "Service level agreements: ready-rate analysis with lump-sum and linear penalty structures", *Journal of the Operational Research Society,* 69(1)

B Abbasi, SZ Hosseinifard, O Alamri, D Thomas, JP Minas (2018), "Finite time horizon fill rate analysis for multiple customer cases", *Omega*, 76

M van der Merwe, M Ozlen, JW Hearne, JP Minas (2017), "Dynamic rerouteing of vehicles during cooperative wildfire response operations", *Annals of Operations Research,* 254

M Arashpour, R Wakefield, B Abbasi, EWM Lee, JP Minas (2016), "Off-site construction optimization: Sequencing multiple jobs classes with time constraints", *Automation in Construction*, 71(2)

NC Simpson, JP Minas (2016), "Conceptualization and demonstration of the Incident Controller's Problem", *Decision Support Systems,* 90

JP Minas, JW Hearne (2016), "An optimization model for aggregation of prescribed burn units", *TOP,* 24(1)

JP Minas, JW Hearne, DL Martell (2015) "An integrated optimization model for fuel management and fire suppression preparedness planning", *Annals of Operations Research,* 232

M van der Merwe, JP Minas, M Ozlen, JW Hearne (2015), A mixed integer programming approach for asset protection during escaped wildfires", *Canadian Journal of Forest Research,* 45(4)

M Arashpour, R Wakefield, N Blismas, JP Minas (2015), "Optimization of process integration and multi-skilled resource utilization in off-site construction", *Automation in Construction,* 50

SZ Hosseinifard, B Abbasi, JP Minas (2014), "Intensive care unit discharge policies prior to treatment completion", *Operations Research for Health Care,* 3(3)

JP Minas, JW Hearne, DL Martell (2014), "A spatial optimisation model for multi-period landscape level fuel management to mitigate wildfire impacts", *European Journal of Operational Research,* 232(2)

JP Minas, JW Hearne, JW Handmer (2012), "A review of operations research methods applicable to wildfire management", *International Journal of Wildland Fire,* 21(3)

Book Chapters

JP Minas, NC Simpson, T-W Kao (2019), "New measures of vulnerability within supply networks: A comparison of industries", In *Handbook of Ripple Effects in the Supply Chain*, New York: Springer, 209-227

Working Papers

JP Minas, NC Simpson (2025), "Complexity in supply chain network structure: A longitudinal study", Under review

Teaching Experience

Cornell University:

- NBA 6430 Managerial Spreadsheet Modeling
- NBA 6215 Introduction to Python for Business
- AEM 2010 Spreadsheet Modeling for Management and Economics
- AEM 2011 Spreadsheet Modeling for Non-Dyson Majors
- BANA 6470 Advanced Spreadsheet Modeling

Syracuse University:

- BUA 466 Data Mining for Business
- BUA 400 Optimization Modeling

St John's University:

- BUA 631 Prescriptive Analytics and Spreadsheet Modeling
- BUA 3350 Business Research Methods
- BUA 2334 Introduction to Business Analytics
- BUA 1333 Modern Statistics

Ithaca College:

- MGMT 36000 Intermediate Business Analytics
- MGMT 26000 Business Analytics and Technology

State University of New York at New Paltz:

- BUS 348 Decision Modeling and Analysis
- BUS 309 Statistics for Business and Economics I
- BU 312 Operations Management

Wilfrid Laurier University:

- BU 275 Business Decision Models
- BU 385 Operations Management I

Royal Melbourne Institute of Technology:

- MATH 2219 Systems Simulation

Graduate Student Supervision

Co-supervisor, Osama Alamri, Royal Melbourne Institute of Technology (Ph.D. 2017)
Thesis: "Analyzing service level agreements with multiple customers."

Co-supervisor, Martijn van der Merwe, Royal Melbourne Institute of Technology (Ph.D. 2016)
Thesis: "An optimisation approach for assigning resources to defensive tasks during wildfires."

Conference Presentations

"When no news is bad news: Exploring the role of information in large scale emergency response", *DSI Annual Meeting*, Orlando, FL, 2025.

"Exploring new research problems around extreme snowfall events", *DSI Annual Meeting*, Phoenix, AZ, 2024.

"Relating airline network structure and flight cancellation rates", *DSI Annual Meeting*, Atlanta, GA, 2023.

"Detecting signature characteristics and dynamic evolution in supply network structures", *DSI Annual Meeting*, Houston, TX, 2022.

"The evolution of supply chain network structures of major global brands", *Northeast DSI Conference*, Newark, NJ, 2022.

"The In-Betweeners: Formation of complex supply networks spanning multiple industries", *DSI Annual Meeting*, 2021.

"Best of Frenemies: Analyzing interdependencies in the supply networks of competing firms", *POMS Annual Conference*, 2021.

"A modeling framework for pandemic response", *DSI Annual Meeting*, 2020.

"Decision support in the response phase of an emergency", *INFORMS Conference on Security*, Monterey, CA, 2020.

"Mapping the evolution of thought in emergency response modeling", *DSI Annual Meeting*, New Orleans, LA, 2019.

"Comparing supply chain risk across industries", *DSI Annual Meeting*, Chicago, IL, 2018.

"Quantifying the risk of defect propagation in a supply chain", *POMS Annual Conference*, Houston, TX, 2018

"On the state of disaster response and decision science: A survey", *POMS Annual Conference*, Houston, TX, 2018

"Modeling a supply chain's resilience to the propagation of defects", *DSI Annual Meeting*, Washington, DC, 2017.

"Fill rate analysis for a supplier with multiple customers", *POMS Annual Conference*, Seattle, WA, 2017.

"Portraying mayhem: the dominant axioms of disaster modeling in decision science", *POMS Annual Conference*, Orlando, FL, 2016.

"Comparing ready rate performance for a supplier in single and multiple customer cases", *POMS Annual Conference*, Orlando, FL, 2016.

"Protecting assets from wildfires: An integer programming approach", *CORS / INFORMS International Conference*, Montreal, Canada, 2015.

"One customer with large demand or multiple customers with smaller demands: A service level agreement perspective", *POMS Annual Conference*, Washington, DC, 2015.

"Fuel management for wildfire hazard reduction with spatial and temporal ecological requirements", *INFORMS Annual Meeting*, Minneapolis, MN, 2013.

"Spatial optimization of multi-year landscape level fuel treatment planning", *CORS Annual Conference*, Niagara Falls, ON, 2012.

"Integrated framework for fuel reduction and fire suppression resource allocation", *IFORS Triennial Conference*, Melbourne, Australia, 2011.

Service Activities

Academic Community

Reviewer for: *Annals of Operations Research, Decision Sciences, Decision Support Systems, European Journal of Operational Research, IISE Transactions, International Journal of Production Research, Omega, Production and Operations Management*

Award Committee, Public Sector Operations Research Best Paper (INFORMS), 2025

Chair, Disruption & Resilience Specific Interest Group (DSI), 2024 - 2025

Conferences Committee (DSI), 2020 - 2024

Member Services Committee (DSI), 2018 - 2020

External PhD Examiner, University of Melbourne, 2017

Cornell University

MSBA Program Committee, 2025 - present

Faculty Advisor, MSBA Data Science Club, 2025 - present

Professional Affiliations

Institute for Operations Research and the Management Sciences (INFORMS), 2011 - present

Decision Sciences Institute (DSI), 2016 - present

Past Work Experience

Australian Customs Officer, Environmental Manager & Consultant