Samuel Curtis Johnson Graduate School of Management

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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 Interdisciplinary 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

NC Simpson, JP Minas(2024), “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

Syracuse University:

* BUA466 Data Mining for Business
* BUA400 Optimization Modeling

St John’s University:

* BUA631 Prescriptive Analytics and Spreadsheet Modeling
* BUA3350 Business Research Methods
* BUA2334 Introduction to Business Analytics
* BUA1333 Modern Statistics

Ithaca College:

* MGMT36000 Intermediate Business Analytics
* MGMT26000 Business Analytics and Technology

State University of New York at New Paltz:

* BUS348 Decision Modeling and Analysis
* BUS309 Statistics for Business and Economics I
* BU312 Operations Management

Wilfrid Laurier University:

* BU275 Business Decision Models
* BU385 Operations Management I

Royal Melbourne Institute of Technology:

- MATH2219 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

“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.

“Trajectories, lexicographic goals and Incident Controller’s regret: Formulating objectives in the presence of an emergency” (presented by NC Simpson), *IFORS Triennial Conference*, Quebec City, QC, 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” (presented by NC Simpson), *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.

“Simulating the salient properties of decision making in emergency response” (presented by NC Simpson), *Northeast DSI Conference*, Alexandria, VA, 2016. **Best Paper Award**

“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.

“The cooperative orienteering problem with time windows” (presented by M Ozlen), *INFORMS Annual Meeting,* San Francisco, CA, 2014.

“Optimal deployment during an escaped fire” (presented by JW Hearne), *IFORS Triennial Conference*, Barcelona, Spain, 2014.

“Fight or flight: Modeling the Incident Controller's Problem” (presented by NC Simpson), *POMS Annual Conference*, Atlanta, GA, 2014. **Best Track Paper Finalist**

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

“Choosing fuel treatment sites to reduce risk of fire” (presented by JW Hearne), *EURO / INFORMS International Conference*, Rome, Italy, 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

Editorial and Review

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*

Academic Community

Chair, Disruption & Resilience (DiRe) Special Interest Group, Decision Science Institute, 2024 - present

Conferences Committee, Decision Sciences Institute, 2020 - 2024

Member Services Committee, Decision Sciences Institute, 2018 - 2020

Session Chair, Decision Sciences Institute Annual Meeting, 2017, 2018, 2022

Judging Panel, Manhattan College Business Analytics Competition, 2022, 2023

External PhD Examiner, University of Melbourne, 2017

University

Undergraduate Educational Policy Committee (St John’s University BA&IS Department), 2021 - 2023

Judging Panel, St. John’s University Student Research Conference, 2022

Academic Calendar Committee (Ithaca College), 2020 - 2021

Founding Faculty Advisor, Data Analytics Club (Ithaca College), 2020 - 2021

Sustainability Committee (Ithaca College School of Business), 2020 - 2021

Committee on Educational Technology (SUNY New Paltz), 2016 - 2019

Undergraduate Assurance of Learning Committee (SUNY New Paltz School of Business), 2015 - 2019

Personnel Committee (SUNY New Paltz School of Business), 2017 - 2018

 Industry Experience

Cut & Fill (Australia)*,* Systems Manager, 2008 - 2010

Abigroup (Australia)*,* Alliance Systems Manager: Southern Link Upgrade, 2007 - 2008

Coffey Environments (Australia)*,* Project Manager, 2006 - 2007

Triple M Metal (Canada), Integrated Management Systems Coordinator*,* 2005 - 2006

Abigroup (Australia)*,* Project Systems Manager: Craigieburn Bypass, 2004 - 2005; Pakenham Bypass, 2006

John Holland (Australia)*,* Graduate Integrated Management Systems Engineer, 2002 - 2003

 Professional Affiliations

Decision Sciences Institute, 2016 - present

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

Production and Operations Management Society, 2014 - present