

# Michael Freeman

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## ACADEMIC POSITIONS

2017- Assistant Professor of Technology and Operations Management – INSEAD, Singapore.

## EDUCATION

- 2017 Ph.D. in Management Studies – Judge Business School, University of Cambridge.  
Thesis topic area: Empirical health care operations management.  
Committee: Stefan Scholtes (chair) and Nicos Savva (London Business School).
- 2011 MPhil in Management Science and Operations, with Distinction – Judge Business School, University of Cambridge.
- 2010 MMORSE (Combined BSc and MSc in Mathematics, Operations Research, Statistics, and Economics), with First-Class Honors – Department of Statistics, University of Warwick.

## RESEARCH INTERESTS

Healthcare operations; Service management; Empirical operations.

## RESEARCH OUTPUT

### Refereed Journal Articles

- [1] “Gatekeepers at Work: An Empirical Analysis of a Maternity Unit.” 2017. *Management Science* 63(10), 3147–3167 (with N. Savva and S. Scholtes). <Online version>  
– Finalist, 2014 William Pierskalla Award.

### Papers Under Revision / Working Papers

- [2] “Economies of Scale and Scope in Hospitals: An Empirical Study of Volume Spillovers.” 2018 (with N. Savva and S. Scholtes). Invited R&R to *Management Science*. <Latest version>  
– First Prize, 2016 MSOM Student Paper Competition.
- [3] “Gatekeeping Under Congestion: An Empirical Study of Referral Decisions in the Emergency Department.” 2017 (with S. Robinson and S. Scholtes). Invited R&R to *Management Science*. <Latest version>
- [4] “Excess Mortality Associated with Junior Doctor Treatment at the Weekend: A Retrospective Cohort Study of an Emergency Department in the UK.” 2018 (with L. Han, J. Fine, S. Robinson, A. Boyle, and S. Scholtes). Submitted.

### Research in Progress

- [5] “Fat-Tails in Hospital Costs: Evidence and Implications for Tariff-Based Compensation Systems,” with P. Kattuman and S. Scholtes. Work-in-progress.
- [6] “Continuity of Care versus a Second Opinion: Evidence from the Opioid Crisis,” with K. Bobroske and S. Scholtes. Work-in-progress.

**Other – Published Abstracts from Competition Winners**

- [7] “Gatekeepers at Work: An Empirical Analysis of a Maternity Unit.” 2017. *Manufacturing & Service Operations Management* 19(2), 328–330 (with N. Savva and S. Scholtes)

**Other – Refereed Conference Proceedings**

- [8] “Gatekeeping Under Congestion: An Empirical Study of Referral Decisions in the Emergency Department.” 2017 (with S. Robinson and S. Scholtes). *Proceedings of MSOM*, University of North Carolina, NC.
- [9] “Economies of Scale and Scope in Hospitals: An Empirical Study of Volume Spillovers.” 2016 (with N. Savva and S. Scholtes). *Proceedings of Wharton Workshop for Empirical Research in Operations Management*, Wharton, PA.
- [10] “Gatekeepers at Work: An Empirical Analysis of a Maternity Unit.” 2013 (with N. Savva and S. Scholtes). *Proceedings of MSOM*, INSEAD, France.

**INVITED TALKS**

- 2018 Singapore Management University (Singapore); NTU Nanyang Business School (Singapore); NUS Business School (Singapore).
- 2017 UCLA Anderson School of Management (Los Angeles, CA); UNC Kenan Flagler Business School (Chapel Hill, NC); JHU Carey Business School (Baltimore, MD); INSEAD (Fontainebleau, France); IU Kelley School of Business (Bloomington, IN); Kellogg School of Management, Northwestern University (Evanston, IL); UBC Sauder School of Business (Vancouver, Canada); Emory University’s Goizueta Business School (Atlanta, GA).
- 2016 MIT Sloan School of Management (Cambridge, MA); UVA Darden School of Business (Charlottesville, VA).

**CONFERENCE & WORKSHOP PRESENTATIONS****Fat-Tails in Hospital Costs**

- 2017 INFORMS Annual Meeting (Houston, TX).

**Gatekeeping Under Congestion**

- 2018 INFORMS Annual Meeting (Phoenix, AZ); POMS-HK International (Hong Kong).
- 2017 INFORMS Annual Meeting (Houston, TX); INFORMS Healthcare (Rotterdam, Netherlands); MSOM Healthcare SIG (Chapel Hill, NC).

**Economies of Scale and Scope in Hospitals**

- 2016 INFORMS Annual Meeting (Nashville, TN); Wharton Workshop for Empirical Research in Operations Management (Philadelphia, PA); London Business School Doctoral Conference (London, UK).
- 2015 INFORMS Annual Meeting (Philadelphia, PA).

**Gatekeepers at Work**

- 2014 INFORMS Annual Meeting (San Francisco, CA).
- 2013 Cambridge Judge Business School Doctoral Conference (Cambridge, UK).
- 2012 INFORMS Annual Meeting (Phoenix, AZ); Cambridge Judge Business School Doctoral Conference, (Cambridge, UK).

## TEACHING

### **INSEAD**

- 2018– Process and Operations Management – MBA core, instructor.
- 2018– Research Topics in TOM – PhD, co-instructor.

### **London Business School**

- 2015–17 Data Analytics for Management – EMBA (Dubai) core, teaching assistant (with V. Kostami).
- 2014–16 Data, Models, and Decisions – MBA core, teaching assistant (with V. Kostami and N. Savva).

### **Cambridge Judge Business School**

- 2012-13 Econometrics I & II – MA core, instructor (with P. Kattuman).
- 2012 Uncertainty and Real Options – MA elective, teaching assistant (with Y.S. Lee).
- 2011-12 Econometrics I & II – MA core, teaching assistant (with P. Kattuman).

### **Department of Statistics, University of Warwick**

- 2009 Statistical Computing – BA elective, teaching assistant (with D. Firth).
- 2007 First Years' Mathematics Workshops – BA elective, instructor.

## AWARDS, HONORS, AND SCHOLARSHIPS

### **Cambridge Judge Business School**

- 2016 First Prize, 2016 MSOM Student Paper Competition.
- 2016 Director's Research Award, Cambridge Judge Business School.
- 2016 Lyondell Basell Research Scholarship, Cambridge Centre for Health Leadership.
- 2015 Economic and Social Research Council Student Internship Award.
- 2014 William Pierskalla Award Finalist, INFORMS Health Application Society.
- 2014 Teaching and Learning Innovation Grant, Cambridge Centre for Teaching and Learning.
- 2011–16 Economic and Social Research Council Doctoral Scholarship, University of Cambridge.

### **Others**

- 2009 Thomas Bayes Prize for "outstanding examination performance," University of Warwick.
- 2006 Valedictorian, International School of Stavanger, Norway.

## PROFESSIONAL ACTIVITIES AND AFFILIATIONS

### **Refereeing for Journals**

Management Science (2018 Distinguished Service Award); Manufacturing & Service Operations Management; Production and Operations Management.

### **Judging for Paper Competitions**

MSOM Student Best Paper Competition, 2018.

### **Refereeing for Conferences**

MSOM Healthcare SIG, 2016.

**Member**

Manufacturing and Service Operations Management Society (M&SOM); Institute for Operations Research and Management Sciences (INFORMS); Health Applications Society (HAS).

**INSTITUTIONAL SERVICE****PhD Committees**

- Current     Sundara Natarajan, INSEAD, co-advisor.
- Current     Katherine Bobroske, Cambridge Judge Business School, committee member.
- 2018        Saša Zorc, INSEAD, committee member (first placement: Darden UVA).

**Others**

- 2013–       Technical advisor, MBA Global Consulting Projects, Cambridge Judge Business School.
- 2014        President, Robinson College Graduate Society.
- 2013        Co-organizer, Cambridge Judge Business School Doctoral Conference.
- 2013        Vice-president, Robinson College Graduate Society.
- 2011–13     Econometrics advisor, Cambridge Empirical Lab, Cambridge Judge Business School.

**CONSULTING EXPERIENCE**

- 2012–17     **Cambridge University Hospitals NHS Foundation Trust**, Cambridge, UK.  
Honorary appointment, with six months spent on-site from April to September 2016.
- 2012–       **Various Health Sector Collaborations**, UK.  
Collaborated with health care organizations such as Papworth Hospital, Dr Foster Intelligence, the UnitingCare Partnership, the Cambridgeshire and Peterborough CCG, and the Healthcare Financial Management Association.
- 2015        **Office for National Statistics**, Newport, UK.  
Six-month placement in the health productivity branch of the UK government's national statistics agency.
- 2011        **Tesco PLC**, London, UK.  
Consulted on the development and testing of a new ordering system for seasonal products.