

# 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

Hospital operations; Healthcare design and delivery; Service management; Empirical operations.

## RESEARCH PAPERS

### 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>](#)

### 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.

## 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); \*MSOM Conference and SIG, INSEAD (Fontainebleau, France).
- 2012      INFORMS Annual Meeting (Phoenix, AZ); Cambridge Judge Business School Doctoral Conference, (Cambridge, UK).

\* indicates presentation by co-author.

## **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**

Ad-hoc reviewer for journals Management Science, Manufacturing & Service Operations Management, and 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.