

# Michael Freeman

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## EDUCATION

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

## RESEARCH AND TEACHING INTERESTS

- Research Management of health care organizations; Service operations management for health service delivery; Empirical operations management; Hospital productivity and health economics; Worker behavior and behavioral operations; Econometric methods.
- Teaching Data analytics and modeling for management; Operations management; Managing service operations; Health care design and delivery; Statistics and econometrics.

## RESEARCH PAPERS

### Refereed Journal Articles

- [1] “Gatekeepers at Work: An Empirical Analysis of a Maternity Unit,” with Nicos Savva and Stefan Scholtes. *Management Science*, Articles in Advance. (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 Across Hospital Services,” with Nicos Savva and Stefan Scholtes. Job market paper. Under revision for *Management Science* (reject with invitation to resubmit). (Latest version)  
– Finalist, 2016 MSOM Student Paper Competition.
- [3] “Gatekeeping Under Uncertainty: An Empirical Study of Referral Errors in the Emergency Department,” with Stefan Scholtes. In preparation for submission. (Latest version)

### Research in Progress

- [4] “Fat-Tails in Hospital Costs: Evidence and Implications for Tariff-Based Compensation Systems,” with Paul Kattuman and Stefan Scholtes. Work-in-progress.

## AWARDS, GRANTS, AND HONORS

- 2016 Finalist, 2016 MSOM Student Paper Competition.
- 2016 Director’s Prize, Cambridge Judge Business School (£14,000).
- 2016 Lyondell Basell Research Scholarship, Cambridge Centre for Health Leadership (£7,200).
- 2015 Economic and Social Research Council Student Internship Award (£9,000).
- 2014 William Pierskalla Award Finalist, INFORMS Health Application Society.
- 2014 Teaching and Learning Innovation Grant, Centre for Teaching and Learning (£12,000).
- 2011–16 Economic and Social Research Council Doctoral Scholarship, University of Cambridge.
- 2009 Thomas Bayes Prize for “outstanding examination performance,” University of Warwick.
- 2006 Valedictorian, International School of Stavanger, Norway.

## **CONFERENCE PRESENTATIONS AND INVITED TALKS**

### **Economies of Scale and Scope in Hospitals: An Empirical Study of Volume Spillovers**

- 2016      INFORMS Annual Meeting, Nashville, TN; Wharton Workshop on Empirical Operations Management, Philadelphia, PA; Invited talk at Erasmus University Rotterdam, Netherlands; London Business School Doctoral Conference, London, UK.
- 2015      INFORMS Annual Meeting, Philadelphia, PA.

### **Gatekeepers at Work: An Empirical Analysis of a Maternity Unit**

- 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.

## **PROFESSIONAL ACTIVITIES AND AFFILIATIONS**

### **Reviewer**

Ad-hoc reviewer for journals Manufacturing & Service Operations Management (M&SOM) and Production and Operations Management (POM); Reviewer for 2016 MSOM Conference Healthcare SIG.

### **Member**

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

## **TEACHING**

### **Cambridge Judge Business School**

- 2013      Econometrics II – MA core, instructor (with P. Kattuman).
- 2012      Econometrics I – MA core, instructor (with P. Kattuman).
- 2012      Uncertainty and Real Options – MA elective, teaching assistant (with Y.S. Lee).
- 2012      Econometrics II – MA core, teaching assistant (with P. Kattuman).
- 2011      Econometrics I – MA core, teaching assistant (with P. Kattuman).

### **London Business School**

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

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

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

## **INSTITUTIONAL SERVICE**

- 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.

## **PROFESSIONAL AND CONSULTING EXPERIENCE**

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

## **REFERENCES**

### **Stylios (Stelios) Kavadias**

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### **Stefan Scholtes**

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*(Further references available upon request.)*