

Michael Freeman

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EDUCATION

- 2017 (exp.) Ph.D. in Management Studies – Judge Business School, University of Cambridge.
Thesis topic: Health care operations management (empirical).
Thesis advisor: Stefan Scholtes.
- 2011 MPhil in Management Science and Operations, with Distinction – Judge Business School, University of Cambridge.
- 2010 MMORSE (Combined MA and BA Degree 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; Managing complexity and uncertainty in service systems; Empirical operations management; Hospital productivity and health economics; 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 N. Savva and S. Scholtes). *Management Science*, Articles in Advance.
– Finalist, 2014 William Pierskalla Award.

Manuscripts in Preparation

- [2] “Economies of Scale and Scope in Hospitals.” 2016 (with N. Savva and S. Scholtes). In preparation for submission to *Management Science*.
- [3] “An Empirical Study of Risk-Aversion in Gatekeeping Systems: Evidence from the Emergency Department.” 2016 (with S. Scholtes). In preparation for submission to *Management Science*.
- [4] “Fat-Tails in Hospital Costs: Evidence and Implications for Tariff-Based Hospital Compensation Systems.” (with P. Kattuman and S. Scholtes). Work-in-progress.

AWARDS, GRANTS AND HONORS

- 2016–17 Director’s Prize, Cambridge Judge Business School (£14,000).
- 2016 Lyondell Basell Research Scholarship, Cambridge Centre for Health Leadership and Enterprise (£7,200).
- 2015 Economic and Social Research Council Student Internship Award, Cambridge ESRC Doctoral Training Centre (£9,000).
- 2014 William Pierskalla Award Finalist, INFORMS Health Application Society.
- 2014 Teaching and Learning Innovation Grant, Cambridge Centre for Teaching and Learning (£12,000).

- 2011–16 Economic and Social Research Council DTC Doctoral Scholarship, Cambridge Judge Business School.
- 2009 Thomas Bayes Prize for “outstanding performance in examinations,” Department of Statistics, University of Warwick (£1,000).
- 2006 Valedictorian, International School of Stavanger, Norway.

CONFERENCE PRESENTATIONS AND INVITED TALKS

Economies of Scale and Scope in Hospitals

- 2016 INFORMS Annual Meeting, Nashville, TN.
- 2016 London Business School Doctoral Conference, London, UK.
- 2015 INFORMS Annual Meeting, Philadelphia, PA.

An Empirical Study of Risk-Aversion in Gatekeeping Systems

- 2016 INFORMS Annual Meeting, Nashville, TN.
- 2016 Invited Talk, Erasmus University Rotterdam, Netherlands.

Gatekeepers at Work: An Empirical Investigation 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
- 2012 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.

Affiliations

- 2014– Health Applications Society (HAS).
- 2012– Institute for Operations Research and Management Sciences (INFORMS).
- 2012– Manufacturing and Service Operations Management Society (MSOM).

TEACHING

Cambridge Judge Business School

- 2012 Econometrics I and Econometrics II – MA core, instructor.
- 2012 Strategic Valuation, Uncertainty and Real Options – MA elective, teaching assistant.
- 2011 Econometrics I and Econometrics II – MA core, teaching assistant.

London Business School

- 2015–16 Data Analytics for Management – EMBA (Dubai) core, teaching assistant.
- 2014–16 Data, Models and Decisions – MBA core, teaching assistant.

Department of Statistics, University of Warwick

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

INSTITUTIONAL SERVICE

- 2014 President, Robinson College Graduate Society.
- 2013–14 Technical advisor, MBA Global Consulting Projects, Judge Business School.
- 2013 Co-organizer, Cambridge Judge Business School Doctoral Conference.
- 2013 Vice-president, Robinson College Graduate Society.
- 2011–13 Statistical and empirical methods advisor for doctoral candidates, Judge Business School.
- 2006–07 Student representative, Staff-Student Liaison Committee, University of Warwick.

PROFESSIONAL AND CONSULTING EXPERIENCE

- 2016 **Cambridge University Hospitals NHS Foundation Trust**, Cambridge, UK.
Six month honorary appointment working with the hospital's strategy division, collecting data and working on research projects of mutual interest.
- 2015 **Office for National Statistics**, Newport, UK.
Awarded competitive scholarship for a six month placement at the UK government's national statistics agency, measuring and reporting on health care and education productivity using large national data sets.
- 2012– **Various Health Sector Collaborations**, Cambridge, UK.
Collaborated with a number of health care organizations during PhD studies, including Cambridge University Hospital, Papworth Hospital, Dr Foster Intelligence, the Uniting-Care Partnership, and Cambridgeshire and Peterborough Clinical Commissioning Group.
- 2011 **Tesco PLC**, London, UK.
Hired as an external consultant to develop, model and test a new product ordering system designed to improve the forecasting and ordering of seasonal products.

REFERENCES

Stefan Scholtes

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