

**MICHAEL E. FREEMAN**PH.D. CANDIDATE IN OPERATIONS MANAGEMENT

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**CONTACT**

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**RESEARCH INTERESTS**

Management of health care organizations; Service operations management for health service delivery; Managing complexity and variability in service systems; Worker behavior and behavioral operations; Empirical and data-driven operations; Health economics; Econometric methods.

**TEACHING INTERESTS**

Operations management; Data analytics and modeling for management; Managing service operations; Health care design and delivery; Statistics and econometrics.

**EDUCATION**

**Judge Business School**, University of Cambridge, UK

Doctor of Philosophy in Management Studies Oct 2011 – Mar 2017 (expected)

- “Empirical Investigations into the Operational Factors Impacting on Hospital Performance.”
- Advisors: Stefan Scholtes (Chair), Nicos Savva (External).
- Operations Management subject group.

M.Phil. in Management Science & Operations Oct 2010 – Jun 2011

- Distinction, highest grade awarded.
- Dissertation: “Optimal Strategies for Sourcing Inventory Under Uncertain Demand.”

**University of Warwick**, UK

Master of Mathematics, Operational Research, Statistics & Economics Oct 2006 – Jul 2010

- First class honors, 4-year combined undergraduate and master's degree.
- Dissertation: “Mechanism Design: Allocating Resources Under Incomplete Information.”

**RESEARCH PAPERS****In Refereed Journals**

“Gatekeepers at Work: An Empirical Investigation of a Maternity Unit,” (with Nicos Savva and Stefan Scholtes). Forthcoming, *Management Science*. An earlier version was a finalist for the 2014 William Pierskalla Award.

**Under Review / Work in Progress**

“Economies of Scale and Scope in Hospitals,” (with Nicos Savva and Stefan Scholtes). Under review at *Management Science*.

**TEACHING EXPERIENCE**

**University of Cambridge**: Co-lecturer (2012–13) and teaching assistant (2011–12) for “Econometric I” and “Econometrics II” Masters courses; MBA project advisor (2013); Teaching assistant (2011) for Masters course “Strategic Valuation: Uncertainty and Real Options”.

**London Business School**: Teaching assistant for MBA core course “Data, Models, and Decisions” (2014 & 2015) and for Dubai EMBA course “Data Analytics for Management” in Sep 2015 (100% positive feedback, n = 17) and Feb 2016 (100% positive feedback, n = 8).

**University of Warwick**: Supervisor (2009) for undergraduate course “Statistical computing”; Founded and ran (2007–2008) seminar series for first year undergraduates on mathematical methods, e.g. Analysis, Linear Algebra.

**CONFERENCE PRESENTATIONS**

*“Trading off Scale and Scope: Gaining Productivity through Hospital System Redesign.”*

- 2016 INFORMS Annual Conference, Nashville, TN Invited, Nov 2016
- 2016 London Business School Doctoral Conference, London, UK Accepted, May 2016
- 2015 INFORMS Annual Conference, Philadelphia, PA Invited, Nov 2015

*“Gatekeepers at Work: An Empirical Investigation of a Maternity Unit.”*

- 2014 INFORMS Annual Conference, San Francisco, CA Invited, Nov 2014
- 2013 Cambridge Doctoral Conference, Cambridge, UK Accepted, Dec 2013
- 2012 Cambridge Doctoral Conference, Cambridge, UK Accepted, Dec 2012
- 2012 INFORMS Annual Conference, Phoenix, AZ Invited, Oct 2012

**REFEREING**

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

**PROFESSIONAL  
EXPERIENCE**

**Judge Business School/Cambridge University Hospitals**, Cambridge, UK

Academic Advisor Mar–Oct 2016

- Six month collaboration with the strategy unit in the hospital to develop new research ideas, collect data, and to explore projects of mutual interest.

**Judge Business School**, Cambridge, UK

Ad-hoc Academic Advisor Feb 2012–present

- Collaborated with e.g. Cambridge University Hospitals, the UnitingCare Partnership, and Dr Foster Intelligence, working on data-driven projects relating to productivity in healthcare.

**Office for National Statistics**, Newport, UK

Economic Research Council Internship Jan–Jun 2015

- Awarded competitive, national scholarship for six month placement during doctoral studies.
- Worked to improve measures of health and education productivity using large, national data sets, for use in annual government publications.

**Tesco PLC**, London, UK

External Consultant Jul 2011–Oct 2011

- Developed, modeled and empirically tested a new ordering system for seasonal products.

**GRANTS AND  
AWARDS**

Cambridge Judge Business School Director’s Prize Oct 2016–Sep 2017

Lyondell Basell Research Scholarship Apr 2016–Sep 2016

Economic and Social Research Council DTC Research Scholarship Oct 2011–Mar 2016

Judge Business School Top Conference Travel Grant 2012, 2013, 2014 & 2015

Teaching and Learning Innovation Fund Grant 2012–2013

Thomas Bayes Prize for “outstanding performance in examinations” 2009

Valedictorian – International School of Stavanger, Norway 2006

**MISC. SERVICE**

Robinson College Graduate Society President (2013–14); Judge Business School Doctoral Conference organiser (2013); Robinson College Graduate Society Vice-President (2012–13); Robinson College Research Day conference organiser (2013); Cambridge Judge Business School statistical and empirical methods advisor (2011–12); Volunteer English and Math teacher for 5-14 year old children with learning difficulties (2007–08); Elected student representative on Staff-Student Liaison Committee (2006–08).

**IT SKILLS**

R (expert, 10 years experience), Stata, SQL, Java, L<sup>A</sup>T<sub>E</sub>X.

**REFERENCES**

**Stefan Scholtes**

Prof. of Health Management  
Director of Doctoral Programme  
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