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

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

Cambridge Judge Business School, University of Cambridge, UK

Doctor of Philosophy in Management Studies   Oct 2011 – Oct 2016 (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 N. Savva and S. Scholtes). Forthcoming, *Management Science*. An earlier version was a finalist for the 2014 William Pierskalla Award.

Under Review / Work in Progress

"Economies of Scale in Hospital Care?" (with N. Savva and S. Scholtes). Collecting feedback, submission to *Management Science* targeted for early-June.

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

REFEREEING
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 of the hospital to develop new research ideas, access more data, and to provide statistical evidence concerning 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
- 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

Economic and Social Research Council DTC Research Scholarship	Oct 2011 – Mar 2016
Judge Business School Top Conference Travel Grant	2012, 2013, 2014 & 2015
Robinson College Travel Grant	2013 & 2014
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 – 09).

IT SKILLS
R (expert, 9 years experience), Stata, SQL, Java, LaTeX.

REFERENCES

Stefan Scholtes (Supervisor)	**Stelios Kavadias**	**Nicos Savva**
Prof. of Health Management	Prof. of Innovation	Associate Professor
Director of Doctoral Programme	Director of Research	London Business School
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