

MICHAEL E. FREEMAN

PH.D. CANDIDATE IN OPERATIONS MANAGEMENT

CONTACT	Judge Business School Trumpington Street, Cambridge CB2 1AG, UK	e-mail: mef35@cam.ac.uk phone: +44 (0)7590 254041 web: uk.linkedin.com/in/mfrmn
RESEARCH INTERESTS	Management of healthcare organisations, service operations management for health service delivery, health economics, empirical operations management, applied data science.	
EDUCATION	University of Cambridge, UK Doctor of Philosophy in Management Studies Oct 2011 – present - ESRC DTC funded scholarship for research in the field of healthcare operations management. - Thesis: Empirical Investigations into the Operational Factors Impacting Hospital Outcomes. M.Phil. in Management Science & Operations Oct 2010 – Oct 2011 - Grade: 79%, Distinction, with highest grade awarded for degree programme. - Dissertation: 83%, Optimal Strategies for Sourcing Inventory Under Uncertain Demand. University of Warwick, UK Master of Mathematics, Operational Research, Statistics & Economics Oct 2006 – Jul 2010 - Grade: 80%, First Class, 4-year integrated master's degree. - Dissertation: 78%, Mechanism Design: Allocating Resources Under Incomplete Information. - Main disciplines studied: Operations Management, Statistical Computing, and Finance.	
PUBLICATIONS	Freeman, M., N. Savva and S. Scholtes. Gatekeepers at Work: An Empirical Investigation of a Maternity Unit. Under second round of review at <i>Management Science</i> . Finalist for the 2014 William Pierskalla Award (organized by the Health Applications Society of INFORMS to recognize research excellence in the field of health care management science). Freeman, M., N. Savva and S. Scholtes. Perverse Incentives Under the Prospective Payment System. In progress.	
CONFERENCE PRESENTATIONS	INFORMS 2014 Annual Conference, San Francisco, CA (Invited, Nov 2014); Cambridge CORE Doctoral Conference 2013, Cambridge, UK (Dec 2013); MSOM Healthcare SIG 2013, Fontainebleau, FRA (July 2013); Cambridge CORE Doctoral Conference 2012, Cambridge, UK (Dec 2012); INFORMS 2012 Annual Conference, Phoenix, AZ (Invited, Oct 2012).	
REVIEWER	Ad-hoc referee work for Production and Operations Management (POM).	
TEACHING EXPERIENCE	London Business School: Tutor for MBA core course “Data, Models, and Decisions” (Aug 2014 – Dec 2014). University of Cambridge: Empirical advisor for MBA consulting projects (May 2013); Lecturer (Oct 2012 – Mar 2013) and teaching associate (Oct 2011 – Mar 2012) for graduate and post-graduate courses in quantitative research methods and econometrics; Teaching assistant (Dec 2011 – Jan 2012) for graduate course in strategic project design and appraisal. University of Warwick: Supervisor (Oct – Dec 2009) for undergraduate course on statistical computing (R software); Founded and ran (Oct 2007 – Jun 2008) seminar series for first year undergraduates on mathematical methods, e.g. Analysis, Linear Algebra. Explore Learning Ltd.: Mathematics and English tutor (Oct 2007 – Apr 2008) for 5-14 year old children who required additional tuition and support outside of school.	

PROFESSIONAL EXPERIENCE	Office for National Statistics, Newport, UK		
	Academic Intern		Jan 2015 – Jun 2015
	- Developed a method for measuring the quality of secondary school education in England using the national pupil database, for use in annual publications.		
	Cambridge University Hospitals, Cambridge, UK		
	External Academic Advisor		Feb 2012 – present
	- Perform detailed empirical analysis of healthcare data to identify strategies to improve patient outcomes, increase efficiency and reduce costs.		
	- Report to medical directors on policy implications arising from findings.		
	Strategy Models Ltd., London, UK		
	Strategy Consultant		Jul 2011 – Oct 2011
	- Developed, modelled and empirically assessed a new ordering system for seasonal products to be implemented by a major global retailer.		
	- Showed using simulated data that our system has the potential to significantly outperform current best practice, especially for products with highly uncertain demand.		
	Tesco PLC, UK		
	Supply Chain Analyst		Oct 2010 – Jul 2011
	- Reported on the trade-off between uncertainty and cost when sourcing products domestically versus internationally.		
GRANTS AND AWARDS	Economic and Social Research Council DTC Research Scholarship		Oct 2011 – Oct 2015
	Robinson College Travel Grant		July 2013 & Oct 2014
	Judge Business School Top Conference Travel Grant		July 2013
	Teaching and Learning Innovation Fund Grant		May 2012 – May 2013
	Thomas Bayes Prize for “outstanding performance in examinations”		Jun 2009
MISC.	Robinson College Graduate Society President (Oct 2013 – Oct 2014); JBS Doctoral Conference organiser (Oct 2013 – Dec 2013); Robinson College Graduate Society Vice-President (Oct 2012 – Oct 2013); Robinson College Research Day conference organiser (Jan 2013); Cambridge Judge Business School statistical and empirical methods consultant (Oct 2011 – Jun 2012); Elected student representative on Staff-Student Liaison Committee (Oct 2006 – Jun 2009); Valedictorian (Jun 2006).		
PROGRAMMING	R (expert, 8 years experience), Stata, Spark, SQL, Python, Java, \LaTeX .		
EXPERTISE	Data science, statistical & machine learning, statistical programming, health applications.		
REFERENCES	Stefan Scholtes (Supervisor)		
	Prof. of Health Management		
	University of Cambridge		
	s.scholtes@jbs.cam.ac.uk		
	Paul Kattuman		
	Reader in Economics		
	University of Cambridge		
	pak13@cam.ac.uk		
	Nicos Savva		
	Associate Professor		
	London Business School		
	nsavva@london.edu		