

Curriculum Vitae

2-43 Business Building
University of Alberta
Edmonton, AB T6G 2R6
<http://www.business.ualberta.ca/ReidarHagtvedt.aspx>

E-Mail: hagtvedt@ualberta.ca
Phone: 780-248-1262
Fax: 780-492-3325

Reidar Hagtvedt, Ph.D.

Academic Experience	Asst. Professor of Management Science and Statistics	2011 - Current
	University of Alberta School of Business, Edmonton, Alberta, Canada	
	Research Fellow	2003 - 2012
	Consortium on Negotiation and Conflict Resolution, GSU Law School, Atlanta, GA	
	Research Affiliate	2009 - 2011
	Glenrose Rehabilitation Hospital, Edmonton, Alberta, Canada	
	Vis. Asst. Professor of Healthcare Operations Management	2008 - 2011
	University of Alberta School of Business & the Integrated Centre for Care Advancement through Research (iCare), Capital Health, Edmonton, Alberta, Canada	
	Adjunct Professor	2008
	Information Systems & Operation Management, Goizueta Business School, Emory University, Atlanta, GA	
	<ul style="list-style-type: none">▪ BUS 350: Introduction to Decision Science	
	Adjunct Professor	2004 - 2008
	Dept. of Banking & Finance, Terry College of Business, U. of Georgia, Athens, GA	
<ul style="list-style-type: none">▪ MSIT 7100 & 8100: Applied Business Statistics; Terry Evening MBA program▪ MSIT 3000: Introduction to Business Statistics; UGA at Gwinnett		
Graduate Teaching/Research Assistant	2003 - 2008	
ISyE, Georgia Institute of Technology, Atlanta, GA		
Visiting Assistant Professor	2000 - 2003	
Dept. of Banking & Finance, Terry College of Business, U. of Georgia, Athens, GA		
<ul style="list-style-type: none">▪ Joint creator and coordinator: MSIT3000 – Introductory Business Statistics		
Instructor	1995 - 2000	
Robinson College of Business, Georgia State University, Atlanta, GA		
<ul style="list-style-type: none">▪ Taught statistics (DSC310) and management science (DSC312)		
Graduate Research Assistant	1994 - 1997	
Robinson College of Business, GSU, Atlanta, GA		
Consultant	1995 - 1999	
Statistical Services Laboratory, Robinson College of Business, GSU, Atlanta, GA		
<ul style="list-style-type: none">▪ Developed confirmatory factor analysis of Student Evaluation data		
Education	Doctor of Philosophy in Industrial and Systems Engineering	2008
	H. Milton Stewart School of Industrial and Systems Engineering Georgia Institute of Technology, Atlanta, GA	
	<ul style="list-style-type: none">▪ Dissertation: <i>Applications of Decision Analysis to Health Care</i>	
	Master of Science in Operations Research	2005
	ISyE, Georgia Institute of Technology, Atlanta, GA	

	Doctor of Philosophy in Business Administration	1999
	Robinson College of Business, Georgia State University, Atlanta, GA	
	▪ Dissertation: <i>Chaos in Stock Returns</i>	
	Candidatus Mercatorius (Graduate Research Degree in Business Analysis)	1994
	The Norwegian School of Economics and Business Administration, Bergen, Norway	
	▪ Thesis: <i>Approaches to Optimizing Advertising Expenditures</i>	
	Siviløkonom (Master of Science in Business Analysis)	1992
	The Norwegian School of Economics and Business Administration, Bergen, Norway	
	▪ Thesis: <i>PolyHydro - A Project Analysis</i>	
Continuing Education & Professional Development	Certified Analytics Professional	2016
	The Institute for Operations Research and Management Science	
	https://www.certifiedanalytics.org/registry.php#displayY Edmonton, AB, Canada	
	Six Sigma Green Belt	2008
	Institute of Industrial Engineers, Georgia Tech Chapter Atlanta, GA	
Publications	Jones, K., Paxton, H., Hagtvedt, R., Etchason, J., 'An Analysis of the New York University Emergency Department Algorithm's Suitability for Use in Gauging Changes in ED Usage Patterns', <i>MEDICAL CARE</i> , 51(7), e41-e50, (2013)	
	Roberts, R.R., Scott, R.D., Hota, B., Kampe, L.M., Abbasi, F., Schabowski, S., Ahmad, I., Ciavarella, G.G., Cordell, R., Solomon, S.L., Hagtvedt, R., Weinstein, R.A., 'Costs Attributable to Healthcare-Acquired Infection in Hospitalized Adults and a Comparison of Economic Methods', <i>MEDICAL CARE</i> , 48(11), 1026-1035, (2010)	
	Hagtvedt, R., Griffin, P.M., Keskinocak, P., and Roberts, R., 'A Simulation Model to Compare Strategies for the Reduction of Health-Care-Associated Infections', <i>INTERFACES</i> , 39(3), 256-270, (2009)	
	Hagtvedt, R., 'Stock Return Dynamics and the CAPM Anomalies', <i>APPLIED ECONOMICS LETTERS</i> , 16(16) 1593-1596, (2009)	
	Hagtvedt, H., Hagtvedt, R. & Patrick, V., 'The Assessment and Evaluation of Visual Art', <i>EMPIRICAL STUDIES OF THE ARTS</i> , 26(2), (2008)	
	Jones, G.T. & Hagtvedt, R., 'Marketing in Heterozygous Advantage', <i>JOURNAL OF BUSINESS ETHICS</i> , 77(1), 85-97, (2007)	
Online Journal Publications	Dixit, D., Hagtvedt, R., Ballermann, M.A., Forgie, S., 'Attitudes and beliefs about hand hygiene among paediatric residents: a qualitative study', <i>BMJ OPEN</i> , 2(6), (2012)	
	Shaw, N.T., Ballermann, M.A., Hagtvedt, R., Ho, S., Mayes, D., Gibney, R.T.N., 'Intensive care unit nurse workflow during shift change prior to the introduction of a critical care clinical information system'. <i>eJHI - ELECTRONIC JOURNAL OF HEALTH INFORMATICS</i> , 6(1), (2011)	
Book Chapter	Hagtvedt, R., Jones, G.T., Gaertner, S. & Griffeth, R.W., 'Dynamic Systems in Human Resource Management: Chaos Theory & Employee Turnover', Chapter in 'INNOVATIVE RESEARCH IN EMPLOYEE TURNOVER' (Vol. 2) in the series 'RESEARCH IN HUMAN RESOURCE MANAGEMENT' [Ed.: Rodger Griffeth], Information Age Publishing, Greenwich, CT; (2004)	

- Law Review Papers Bouchard, R.A., Hawkins, R., Clark, R., Hagtvedt, R., Sawani, J., '*Empirical Analysis of Drug Approval-Drug Patenting Linkage for High Value Pharmaceuticals*', NORTHWESTERN JOURNAL OF TECHNOLOGY AND INTELLECTUAL PROPERTY, 8(2), 174-227, (2010)
- Jones, G.T., Yarn, D.H., Hagtvedt, R., Lloyd, T., '*Homogeneity of Degree in Complex Social Networks as a Collective Good*', GEORGIA STATE UNIVERSITY LAW REVIEW, 24(4), (2008)
- Jones, G.T. & Hagtvedt, R., '*Sample Data as Evidence: Meeting the Requirements of Daubert and the Recently Amended Federal Rules of Evidence*', GEORGIA STATE UNIVERSITY LAW REVIEW, 18(3), 721-748, (2002). (Extensively cited by the Rhode Island Supreme Court in *Garden City Treatment Center, Inc. v. Coordinated Health Partners, Inc.*, 852 A.2d 535 (R.I. 2004))
- Pedagogical Papers Hagtvedt, R., Jones, G.T. & Jones, K., '*Teaching Confidence Intervals using Simulation*', TEACHING STATISTICS, 30(2), 53-56, (2008)
- Hagtvedt, R., Jones, G.T. & Jones, K., '*Pedagogical Simulation of Sampling Distributions and the Central Limit Theorem*', TEACHING STATISTICS, 29(3), 94-97, (2007)
- Jones, G.T., Hagtvedt, R. & Jones, K., '*A VBA-Based Simulation for Teaching Simple Linear Regression*', TEACHING STATISTICS, 26(2), 36-41, (2004)
- Refereed Conference Presentations Hagtvedt, R., Griffin, P., Keskinocak, P., Ferguson, M. & Jones, G.T., '*Cooperative Strategies to Reduce Ambulance Diversion*', Winter Simulation Conference, Austin, TX (2009)
- Triscott, J., Campbell-Scherer, D., Hagtvedt, R., Gojmerac, M., '*Multimorbidity at a Rehabilitation Hospital: Analysis and Implications*', The 33rd Annual Scientific Meeting of the Canadian Geriatrics Society, Toronto, ON, Canada (2013). Abstract published in the Canadian Geriatrics Journal, 26(2), (2013)
- Conference Presentations Schultz, K.L., Cotton, J., Strakos, J., Hagtvedt, R., '*Antecedents of Fuel Efficiency*', Production and Operations Management Society, Orlando, FL (2016)
- Schultz, K.L., Cotton, J., Hagtvedt, R., Strakos, J., '*Pro-Environmental Job Behavior*', Production and Operations Management Society, Orlando, FL (2016)
- Whiteside, B., Hagtvedt, R., Wright, B., Forgie, S., '*Close Encounters: Using Sociometric Devices to Map and Measure Network Interactions and Bacteria in a Pediatric Emergency Department*', Association of Medical Microbiology and Infectious Disease Canada Annual Conference, Vancouver, BC, Canada (2016)
- Hagtvedt, R., Whiteside, B., Wright, B., Forgie, S., '*Network Effects on Hand-Hygiene Behavior*', The Institute for Operations Research and Management Science, Philadelphia, PA (2015)
- Ingolfsson, A., Hagtvedt, R., Rastpour, A., '*Predicting the Spatial Distribution of Hearth Attack Incidence in Alberta*', The Institute for Operations Research and Management Science, Philadelphia, PA (2015)
- Hagtvedt, R., Schultz, K. L., Forgie, S., '*Further Empirical Evidence for Hand-Hygiene as a Habitual Citizenship Behavior*', The Institute for Operations Research and Management Science, San Francisco, CA (2014)
- Hagtvedt, R., Forgie, S., '*A Systems Dynamics Model for Healthcare Acquired Infections*', The Institute for Operations Research and Management Science, Minneapolis, MN (2013)

- Forgie, S., Walton, J., Jones, G.T., Hagtvedt, R., '*Near-peer Teaching of Small Groups in Undergraduate Medical Education & Leveraging Faculty Resources*', Canadian Conference on Medical Education, Quebec City, QC, Canada (2013)
- Hagtvedt, R., Forgie, S., '*Desensitization to Stimuli and Optimal Expenditures to Increase Hand-hygiene in Hospitals*', The Institute for Operations Research and Management Science, Phoenix, AZ (2012)
- Hagtvedt, R., Schultz, K.L., Forgie, S., '*Empirical Results for Habitual Citizenship Behavior in Hand-hygiene Compliance*', The Institute for Operations Research and Management Science, Charlotte, NC (2011)
- Schultz, K.L., Hagtvedt, R., Forgie, S., '*Correlates and Predictors of Observed Hand Hygiene Compliance to Reduce Nosocomial Infections*', The Institute for Operations Research and Management Science, Charlotte, NC (2011)
- Hagtvedt, R., Schultz, K.L., Forgie, S., '*Habitual Citizenship Behavior: Empirical Results of Observational and Self-reported Compliance with Hand-Hygiene Regulations*', INFORMS HEALTHCARE, Montreal, QC, Canada (2011)
- Hagtvedt, R., Schultz, K.L., Forgie, S., '*Habitual Citizenship Behavior: Empirical Results of Observational and Self-reported Compliance with Hand-Hygiene Regulations*', Production and Operations Management Society, Reno, NV (2011)
- Hagtvedt, R., Jones, G.T., '*Agent-based Simulations of Ambulance Diversion*', The Institute for Operations Research and Management Science, Austin, TX (2010)
- Hagtvedt, R., Forgie, S., Schultz, K.L., '*Introducing Habitual Citizenship Behavior*', MITACS / Canadian Operational Research Society, Edmonton, AB, Canada (2010)
- Hagtvedt, R., Forgie, S., Schultz, K.L., '*Habitual Citizenship Behavior*', Production and Operations Management Society, Vancouver, BC, Canada (2010)
- Scott, R. D., Roberts, R.R., Hagtvedt, R. '*Assessing the relative cost of healthcare-associated infections using evidence from published studies*', Fifth Decennial International Conference on Healthcare-Associated Infections, Centers for Disease Control and Prevention, Atlanta, GA (2010)
- Jones K., Hagtvedt R., Paxton H., Bond W. & Etchason J., '*Testing the Sensitivity of the New York University Emergency Department Algorithm to Detect Changes in Emergency Department Usage Patterns*', 137th American Public Health Association Annual Meeting, Philadelphia, PA (2009)
- Griffin S., Jones K. & Hagtvedt, R., '*A Cost Calculator to Project the Cost-Effectiveness of Community Water Fluoridation*', 137th American Public Health Association Annual Meeting, Philadelphia, PA (2009)
- Hagtvedt, R., Forgie, S., Bowman, M., Jones, G.T., Schultz, K.L. & Shaw, N., '*Habitual Citizenship Behavior: Extending the Theory of Planned Behavior with Habit*', The Institute for Operations Research and Management Science, San Diego, CA (2009)
- Shaw, N.T., Ballermann, M.A., Hagtvedt, R., Ho, S., Mayes, D.C. & Gibney, R.T., '*Impact of a Critical Care clinical Information System on Interruptions Experienced by Intensive Care Unit Health Care Providers*', The 5th International Mixed Methods Conference, University of Leeds, School of Healthcare, Harrogate, UK., (2009)

Shaw, N.T., Ballermann, M.A., Hagtvedt, R., Ho, S., Mayes, D. & Gibney, R.T.N. '*Intensive care unit nurse workflow during shift change prior to the introduction of a critical care clinical information system*'. HIC 2009 - Frontiers of Health Informatics Conference, Canberra, Australia, (2009) *Winner of the Branko Cesnik Award, Best Scientific Paper, HIC 2009.*

Jones, K., Hagtvedt, R., Paxton, H.D., Bond, W. & Etchason, J., '*Testing the Sensitivity of the New York University Emergency Department Algorithm to Detect Changes in Emergency Department Usage Patterns*', AcademyHealth 2009 Annual Research Meeting, Chicago, IL, (2009)

Hagtvedt, R., Griffin, P.M., Keskinocak, P. & Jones, G.T., '*Healthcare Associated Infections: An Agent-based Simulation of the Dynamics of Pathogen Flows*', The Institute for Management Science and Operations Research, Washington, D.C., (2008)

Hagtvedt, R., Griffin, P.M., Keskinocak, P. & Roberts, R.R., '*A Simulation Study to Compare Strategies for the Reduction of HAI*', The Institute for Management Science and Operations Research, Seattle, WA, (2007)

Hagtvedt, R. & Griffin, P.M., '*Repeated Negotiations in Health Care: Hospitals and Payers*', The Institute for Management Science and Operations Research, Pittsburgh, PA, (2006)

Jones, G. T. & Hagtvedt, R., '*Exit Strategies, Equity-Based Utility, and The Evolution of Risk Preference in Continuous-Space Torii*', The Institute for Management Science and Operations Research, Pittsburgh, PA, (2006)

Hagtvedt, R. & Jones, G. T., '*Show Me Your Friends and I'll Tell You Who You Are*": A Computational Model of Reputation by Association in Noniterated Social Dilemmas', North American Association for Computational Social and Organizational Science, University of Notre Dame, IN, (2006)

Jones, G. T. & Hagtvedt, R., '*Type I Error and the EEOC's Four-Fifths Rule: Using Resampling to Examine the Behavior of 29 C.F.R. 1607.4(D)*', Society for Judgment and Decision Making, Minneapolis, MN (2004)

Hagtvedt, R., Jones, G. T. & Jones, K., '*Visual Regression- A Tool to Explain the Link Between Parameters and Estimates in OLS*', Making Statistics More Effective in Schools and Business (MSMESB), Athens, GA (2002)

Gaertner, S., Griffeth, R. & Hagtvedt, R., '*The Conceptual Underpinnings of Continuous Turnover Type Measurement: Applying Fuzzy Logic*', National Academy of Management, Chicago, IL (1999)

Invited Presentations *Hand Hygiene as a Habitual Citizenship Behavior*, Alberta Health Industry Association, Edmonton, AB, Canada (2014)

Hypothesis Testing 101- Finally Understanding the Statistics of EEO Litigation, The Employment & Labor Law Association, Atlanta, GA (2002)

Consulting & Professional Experience

Associate 2015-Current
Darkhorse Analytics, Edmonton, AB

- Advised on developing a statistical queuing model of airport security lines for the Canadian Air Transport Security Authority (CATSA)

Consultant 2007-2013

Quantitative Health Research, Inc., Elberton, GA

- Developed maximum likelihood estimation of longevity from censored membership data for Reynolds Plantation, Inc. (Greensboro, GA)

	Consulting Expert	1998-2002
	Quantlaw, Inc., Atlanta, GA	
	<ul style="list-style-type: none"> ▪ Developed chi-square goodness-of-fit tests for demographics of jury arrays v. county population proportions. Case: State v. Brewer (Whitfield County, GA) 	
	Statistical Analyst	1996-2001
	Modus Operandi, Inc., Atlanta, GA	
	<ul style="list-style-type: none"> ▪ Analyzed customer data on soft drink discrimination for Gordon Bailey, Inc ▪ Primary data analysis for H. Huyler in a diversity initiative at SmithGroup, Inc 	
	Corporate Forecaster	1999-2000
	Delta Airlines, Inc., Atlanta, GA.	
	<ul style="list-style-type: none"> ▪ Diagnosed and respecified neural network models used to predict revenue 	
	Independent Data Analyst and Modeling Consultant	1997-1999
	Atlanta, GA.	
	<ul style="list-style-type: none"> ▪ Developed and applied SAS programs to manipulate large data sets and code models for Georgia's Voluntary Ozone Action Plan. ▪ Applied Logit models to predict non-payment for BellSouth's Yellow Pages 	
Funded Research	An Economic Analysis of Kokua Kalihi Valley's Dental Sealant Program: School Years 1997/1998 – 2002/2003; Primary: K. Jones; Honolulu, Hawaii (2004)	
Software	Jones, K & Hagtvedt, R., "SEALS – ADMIN The State-Level Analysis Program for Data from Individual Programs' SEALS Files"; a program to compile and analyze data from dental sealant programs collected using SEALS for the Centers for Disease Control and Prevention. Delivered March (2004)	
	Jones, K & Hagtvedt, R., "SEALS (Sealant Efficiency Assessment for Locals and States): An Evaluation and Benchmarking Tool for Administrators of Community Sealant Programs"; a program to capture data from Seal-a-Smile dental sealant programs, perform analysis and report performance measures for the Centers for Disease Control and Prevention. Wisconsin (2003)	
	Jones, K & Hagtvedt, R., "CWF for Policymakers"; a VBA program designed to help policy makers calculate the net cost of community water fluoridation in their communities (2003)	
Service	Board Member, Canadian Institute for Nordic Studies (CINS)	2012-Current
	Member of the Faculty Advisory Committee on MBA admissions	2013-2014
	Faculty Advisor for Net Impact, an MBA Charitable Consulting service	2012-2014
	Reviewed resubmission to JOURNAL OF QUANTITATIVE ANALYSIS OF SPORTS (2014)	
	Referee for OMEGA: THE INTERNATIONAL JOURNAL OF MANAGEMENT SCIENCE (2014)	
	Referee for DECISION SCIENCES (2013)	
	Student Paper Judge, CANADIAN OPERATIONAL RESEARCH SOCIETY , (2013)	
	Referee for JOURNAL OF QUANTITATIVE ANALYSIS OF SPORTS (2013)	
	Session Co-Chair, INFORMS, Phoenix, AZ (2012)	
	Statistical and computational consulting on performance standards for athletes to send to World Skydiving championships; Canadian Sport Parachute Association (2011)	
	Session Chair, INFORMS HEALTHCARE, Montreal, QC, Canada (2011)	
	Referee for the special issue on <i>Behavioral Operations Management</i> in the JOURNAL OF OPERATIONS MANAGEMENT (2011)	

Referee for *Fraud in Accounting, Organizations and Society*, sponsored by FRAUD IN ACCOUNTING, ORGANIZATIONS AND SOCIETY (2011)

Alberta Primetime interviewee (2010).

http://www.albertaprimetime.com/Segments.aspx?FlashVars=Video/PTG_051210.flv

Referee for IIE TRANSACTIONS ON HEALTHCARE SYSTEMS ENGINEERING (2010)

Poster Judge, CANADIAN OPERATIONAL RESEARCH SOCIETY CONFERENCE, Edmonton, AB, (2010)

Reviewer, CANADIAN OPERATIONAL RESEARCH SOCIETY CONFERENCE, Edmonton, AB, (2010)

Session Chair, '*Simulation of Decision Support Systems*', WINTER SIMULATION CONFERENCE, Austin, TX (2009)

Referee, WINTER SIMULATION CONFERENCE, Austin, TX (2009)

Canadian Operations Research Society Student Paper Judge (2009)

Member of the University of Alberta Health Informatics Steering Committee, 2008-2009

Referee for the JOURNAL OF CORPORATE FINANCE (2005)

Dissertation Committee Member for G. T. Jones at Georgia State University.
Chair: J. Katz. Title: *Testing for Structural Change in Legal Doctrine: An Empirical Look at the Plaintiff's Decision to Litigate Employment Discrimination Disputes a Decade after the Civil Rights Act of 1991* (2003)

Conference Coordinator for the 17th Annual Making Business More Effective in Schools and Business (MSMESB) Conference at the University of Georgia, Terry College of Business, Athens, GA (2002)

Provided statistical support for Carrier Transicold in order to forecast demand for truck refrigeration units. Athens, GA (2002)

Professional Societies	<p>INFORMS - The Institute for Operations Research and the Management Sciences POMS - Production and Operations Management Society CORS - Canadian Operational Research Society DSI - The Decision Sciences Institute IIE - Institute of Industrial Engineers The Society for Business Ethics The North American Association for Computational Social and Organizational Science Alpha Iota Delta, (Decision Sciences Honor Society) Beta Gamma Sigma (National Business Honor Society)</p>
Citizenship	Citizen of the U.S.A. & Norway
Languages	English [fluent], Norwegian [fluent], German [novice], Spanish [novice]
Military	Norwegian Army, July 1991 – July 1992