

## DOMINIQUE HAUGHTON

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[www.dominiquehaughton.com](http://www.dominiquehaughton.com)

H Index 25, RG score 25.20 (July 2017)

### CURRENT EMPLOYMENT (since September 1991)

Professor                      Mathematical Sciences Department [781-891-2822]  
Global Studies Department  
Bentley University  
175 Forest St. Waltham, Massachusetts 02452

Main Research Interests:    Applied Statistics, Analysis of Living Standard Surveys, Global analytics,  
Music Analytics, Data Mining, Model Selection  
Core member, Data Analytics Research Team, Bentley University  
[www.bentley.edu/DART](http://www.bentley.edu/DART)  
Founding member, Music Analytics Group, Bentley University

Main Teaching Areas:        Business Analytics, Applied Multivariate Statistics, Data Mining,  
Synchronous Virtual Education, Calculus

Consulting:                    Data Science, Expert witness  
Analytics training, Boston Consulting Group

Editorial:                      United States co-editor, *Case Studies in Business, Industry and  
Government Statistics*

Second Affiliation:            Associate Researcher, Université Paris I, SAMM, France  
Third Affiliation                Associate Researcher, Université Toulouse I, TSE-R, France

Fellow of the American Statistical Association

### EDUCATION

1979-1983                      M.I.T., Ph.D in Mathematics, 1983  
Thesis under the direction of Professor Richard Dudley.

1978-1979                      Harvard University, Special Student (Sachs scholarship).

1975-1978                      Ecole Normale Supérieure, Paris and Université Paris VII.  
– Diplôme d'Etudes Approfondies in Mathematics (1977)  
– Maitrise in Mathematics (1976)  
– Licence in English (1977)

1972-1975                      Ecole Sainte Geneviève, Versailles, France.  
– Admission Ecole Normale Supérieure (1975)

Before 1972                    Lycée Pierre de la Ramée, Saint Quentin, France.  
– Baccalauréat in Mathematics and Physics (1972)

### PRIOR WORK EXPERIENCE

1991 (Jan-Aug)                Manager of Statistical Analysis, Epsilon Data Management,  
Burlington, MA.

1987-1991	Assistant Professor of Mathematics, University of Lowell.
Summer 1987	Assistant Professor of Mathematics, Temple University Japan.
1984-1987	Assistant Professor of Statistics, Temple University, Philadelphia.
1983-1984	Assistant Professor of Mathematics, Swarthmore College.
Summer 1983	Mathematics lecturer for Project Interphase, M.I.T.
1979-1983	Teaching Assistant, M.I.T.
Summer 1982	Lecturer, summer school. M.I.T.
Spring 1980	Taught French language tutorial, Harvard University.

#### ARTICLES IN REFEREED JOURNALS

“Alcohol consumption and age in Thailand from 2006 to 2011: An exploration of non-linear relationships”, *The Open Public Health Journal*, **10(1)**, 17-24 (with Pannapa Changpetch) (2017)

“Socioeconomic convergence in Europe one decade after the EU enlargement of 2004: Application of Self-Organizing Maps”, *Eastern European Economics*, **March 2017**, 1-25 (with Joel Deichmann, Abdolreza Eshghi and Mingfei Li) (2017)

“Sociological mechanisms underlying alcohol, tobacco and gambling: A causal mediation analysis”, *Thailand Statistician*, to appear (with Pannapa Changpetch) (2017)

“Associations and determinants of tobacco consumption in Thailand”, *Kasetsart Journal of Social Sciences*, to appear (with Pannapa Changpetch) (2017)

“Time flies ... or does it?”, *Active Learning in Higher Education*, to appear (with Mystica Alexander, Pannapa Changpetch and Angela Su) (2017)

“Alcohol consumption in Thailand: A study of the associations between alcohol, tobacco, gambling, and demographic factors”, *Asian Journal of Social Sciences and Humanities*, **5(4)**, 53–67 (with P. Changpetch, P., M.T.X. Le, S. Ly, A.D. Nguyen, P. Nguyen & T.T. Thach) (2016)

“Small area estimation by multilevel models applied to the Vietnam living standards surveys”, *Journal of the international Association for Official Statistics*, to appear (with Phong Nguyen, Irene Hudson and John Boland) (2017)

“Exploring the predictors of the international digital divide”, *Journal of Global Information Technology Management*, **19(1)**, 44-67 (with Bob Galliers, Maria Skaletsky and Olumayokun Soremekun) (2016)

“Optimization of the promotion mix in the health care industry”, *Journal of Pharmaceutical and Healthcare Marketing*, **9(4)**, 289 - 305 (with Guangying Hua, Danny Jin, John Lin, Qizhi Wei, and Changan Zhang) (2015) Emerald Literati Network Outstanding Paper Award.

“A comparative study of reciprocity in two rural social networks in Tamil Nadu, India”, *Case Studies in Business, Industry and Government Statistics*, **6(1)**, 37-46 (with S. Arumugam, B. Vasanthi and Changan Zhang) (2015)

“Positioning genomics in biology education: content mapping of undergraduate biology textbooks”, *Journal of Microbiology & Biology Education*, **15(12)**, 268-276 (with Naomi Wernick, Eric Ndung'u and Fred Ledley) (2014)

“Reciprocity in social networks - A case study In Tamil Nadu, India”, *Case Studies in Business, Industry and Government Statistics*, **5(2)**, 126-131 (with S. Arumugam, B. Vasanthi and Changan Zhang) (2014)

"Imputing unknown competitor activity with Hidden Markov Models", *Journal of Direct, Data and Digital Marketing Practice*, **15**, 276-287 (with Guangying Hua, Danny Jin, John Lin, Qizhi Wei, and Changan Zhang) (2014)

"Kohonen Self-organizing maps as a tool for assessing progress toward the UN Millennium Development Goals", *Journal of Human Development and Capabilities*, **14(3)**, 393-419 (with Joel Deichmann, Charles Malgwi and Olomayokun Soremekun) (2013)

"Foreign direct investment in mobile technology: An exploratory comparative analysis of Asia and Africa", *Revue Ouest Africaine de Sciences Economiques et de Gestion (ROASEG)* (with Olumayokun Soremekun and Charles Malgwi), to appear, accepted 2012

"Towards Data Quality Improvement of the Viet Nam Household Living Standard Survey 2010-2020" (with Phong Nguyen, Irene Hudson and John Boland), under revision, conditionally accepted in 2012 by the *Journal of the International Association for Official Statistics*.

"Enrollment management in graduate business programs: predicting student retention", *Journal of Institutional Research*, **16(2)**, online (with Abdolreza Eshghi, Mingfei Li, Linda Senne, Maria Skaletsky and Sam Woolford) (2011)

"Identifying Groups: A Comparison of Methodologies", *Journal of Data Science*, **9(2)**, 271-291 (with Abdolreza Eshghi, Pascal Legrand, Maria Skaletsky and Sam Woolford) (2011)

"Racial profiling: focus on the person or the act?", *Case Studies in Business, Industry and Government Statistics*, **3(2)**, 86-94 (with Phong Nguyen and Lynn Senne) (2010)

"A structural equation model of gambling in the UK", *International Journal of Business and Statistics*, **5(A10)**, (with Arnold Kamis, David Gulley and Patrick Scholten) (2010)

"Network analysis of U.S. air transportation network", *Annals of Information Systems, Special Issue on Data Mining for Social Network Data*, **12**, 75-89 (with Guangying Hua and Yingjie Sun) (2010)

"Multilevel models and inequality in Vietnam", *Journal of Data Science*, **8**, 289-306 (with Phong Nguyen) (2010)

"Virtual worlds adoption: a research framework and empirical study", *Online Information Review*, **33(5)**, 889-900 (with Guangying Hua) (2009)

"Living standards of Vietnamese provinces: a Kohonen map", *Case Studies in Business, Industry and Government Statistics*, **2(2)**, 109-113 (with Phong Nguyen and Irene Hudson) (2009).

"Review of Three Latent Class Cluster Analysis Packages: Latent Gold, poLCA, and MCLUST", *The American Statistician*, **63(1)**, 81-91 (with Pascal Legrand and Sam Woolford) (2009).

"On the generation of random networks from a given distribution or type", *Computational Statistics and Data Analysis*, **52(8)**, 3928-3938 (with N. Carter and C. Hadlock) (2008)

"Proactive encouragement of interdisciplinary research teams in a business school environment: strategy and results", *Journal of Higher Education Management*, **30(2)**, 153-164 (with S. Adams, N. Carter, C. Hadlock, G. Sirbu) (2008)

"Data mining CEO compensation", *Journal of Modern Applied Statistical methods*, **7(2)**, 368-631 (with S. Adams, A. Gupta and J. Leeth) (2008)

"Ethnic minority development in Vietnam", *Journal of Development Studies*, **43(7)**, 1151-1176 (with B. Baulch, J. Haughton, T. T. K. Chuyen) (2007)

"Measuring the international digital divide: an application of Kohonen self-organizing maps", *Journal of International Knowledge and Learning*, **3(6)**, 552-575 (with J. Deichmann, A. Eshghi, S. Sayek and S. Woolford ) (2007)

"Change in connectivity in a social network over time: a Bayesian perspective", *Connections*, **28(2)**, 17-27 (with S. Adams, N. Carter, C. Hadlock, G. Sirbu) (2007)

"Gender differences in CEO compensation: Evidence from the U.S.", *Women in Management Review*, **22(3)**, 208-224 (with S. Adams, A. Gupta and J. Leeth) (2007)

"Determinants of the international digital divide: an analysis using MARS", *Journal of Global Information Technology Management*, **9(4)**, 47-71 (with J. Deichmann, A. Eshghi, M. Masnaghetti, N. Teebagy, S. Sayek, H. Topi) (2006)

"A recipe for collaborative research", *BizEd*, **September/October**, 30-34 (with S. Adams, N. Carter, C. Hadlock, G. Sirbu) (2006)

"A Review of three directed acyclic graphs software packages: MIM, Tetrad, and WinMine", *The American Statistician*, **60(3)**, 272-286 (with A. Kamis, P. Scholten) (2006)

"Determinants of customer loyalty in the wireless telecommunications industry", *Telecommunications Policy*, **31(2)**, 93-106 (with J. Deichmann, A. Eshghi, N. Teebagy, H. Topi) (2006)

"Determinants of customer churn behavior: the case of the local telephone service", *Marketing Management Journal*, **16(2)**, 179-187 (with J. Deichmann, A. Eshghi, N. Teebagy, H. Topi) (2006)

"Shifts in living standards: the case of Vietnamese households 1992-1998", **32(1)**, 79-101, *Philippine Journal of Development*, (with Le Thi Thanh Loan) (2005)

"Graphical tools for assessing information quality: loan application decisions", *International Journal of Technology, Policy and Management*, **5(4)**, 330-347 (with Mary-Ann Robbert and Lynne Senne) (2005)

"Understanding Eurasian convergence 1992-2000: application of Kohonen self-organizing maps", *Journal of Modern Applied Statistical Methods*, **5(1)**, 72-93 (with J. Deichmann, A. Eshghi, N. Teebagy, S. Sayek, H. Topi) (2005)

"Digital divide and consumption patterns in the U.S.: an exploratory investigation", *Marketing Management Journal*, **15(4)**, 108-122 (with A. Eshghi, H. Topi, J. Deichmann) (2005)

"A review of two text-mining packages: SAS Textmining and Wordstat", *American Statistician*, **59 (1)**, 89-103 (with A. Davi, N. Nasr, G. Shah, M. Skaletsky, R. Spack) (2005)

"Graphical and numerical descriptive analysis: exploratory tools applied to Vietnamese data", *Journal of Statistics Education*, **12(2)**, <http://www.amstat.org/publications/jse/v12n2/haughton.html>, 89-103 (with Nguyen Phong) (2004)

"A review of software packages for data mining", *American Statistician*, **57 (4)**, 290-309 (with J. Deichmann, A. Eshghi, S. Sayek, N. Teebagy, H. Topi) (2003)

"Bayesian analysis of poverty rates: the case of Vietnamese provinces", *Journal of Modern Applied Statistical Methods*, **2(1)**, 189-194 (with Nguyen Phong) (2003)

"A Kohonen map of Eastern European countries and former Soviet republics", *Journal of Business Strategies*, **20(1)**, 23-44 (with J. Deichmann, A. Eshghi, S. Sayek, N. Teebagy, H. Topi) (2003)

"Determinants of foreign direct investment in the Eurasian transition states", *Eastern European Economics*, **41(1)**, 5-34 (with J. Deichmann, A. Eshghi, S. Sayek, N. Teebagy) (2003)

"Asymptotic probabilities of over-estimating and under-estimating the order of a model in general regular families", *Communications in Statistics*, **32(7)**, 1373-1404 (with C. Keribin) (2003)

- “Application of Multiple Adaptive Regression Splines (MARS) in direct response modeling”, *Journal of Interactive Marketing*, **16**, 15-27 (with J. Deichmann, A. Eshghi, S. Sayek, N. Teebagy) (2002)
- “Asymptotic normality of posterior probabilities with small errors”, *Annals of Statistics*, **30**, 1311-1344 (with R.M. Dudley) (2002)
- “Explaining the pattern of regional unemployment: the case of the Midi-Pyrénées region”, *Papers in Regional Science*, **106**, 1-20 (with Y. Aragon et al.) (2002)
- “The use of frontier estimation,” *Journal of Interactive Marketing*, **14**, 33-42 (with J. Haughton, A. Hawke-Kelly and T. Moriarty)(2000)
- “Informational complexity criteria for regression models,” *Computational Statistics and Data Analysis*, **28**, 51-76 (with H. Bozdogan)(1998)
- “Are simple tests of son preference useful? an evaluation using data from Vietnam,” *Journal of Population Economics*, **11(4)** (with Jonathan Haughton)(1998)
- “Information and other criteria in structural equation model selection: a large scale simulation study,” *Communications in Statistics; Simulation and Computation*, **26**, 1477-1516 (with Johan Oud and Robert Jansen)(1997)
- “Information criteria for multiple data sets and restricted parameters,” *Statistica Sinica*, **7** (with Richard Dudley)(1997)
- “Packages for estimating finite mixtures: a review,” *American Statistician*, **51**, 194-205 (1997)
- “Explaining child nutrition in Vietnam,” *Economic Development and Cultural Change*, **45**, 541-556 (with Jonathan Haughton) (1997)
- “Improved analysis of student evaluation of teaching scores using bootstrap and permutation methods,” *Journal of Computing in Higher Education*, **8**, 69-84 (with Louis Chin and Amir Aczel) (1996)
- “Using a mixture model to detect son preference in Vietnam,” *Journal of Biosocial Science*, **28**, 355-365 (with Jonathan Haughton) (1996)
- “Information and other criteria in structural equation model selection,” *Kwantitatieve Methoden*, **52**, 69-100 (with Johan Oud and Robert Jansen) (1996)
- “A review of some aspects of information criteria for model selection,” *Kwantitatieve Methoden*, **52**, 53-68 (1996)
- “The economic measurement and determinants of diversity: Is the for-profit less diverse than the not-for-profit in the child care industry?” *Social Indicators Research*, **36**, 201-225 (with Swati Mukerjee) (1995)
- “Son preference in Vietnam,” *Studies in Family Planning*, **26(6)**, 325-337 (with Jonathan Haughton) (1995)
- “A study of users’ perceptions on the benefits of information systems in hospitals,” *Journal of the Hospital Information and Management Systems Society*, **9(1)**, 37-46 (with Louis Chin) (1995)
- “Ross Perot and the multinomial distribution,” *Journal of Communication Research*, **21**, 408-418 (with Amir Aczel and Norman Josephy) (1994)
- “Direct marketing modeling with CART and CHAID,” *Journal of Direct Marketing*, **7(3)**, 16-26 (with Samer Oulabi) (1993)

“High resolution inversion of the discrete Poisson and binomial transformations,” *Inverse Problems*, **9**, 39-56 (with Charles Byrne and Tom Jiang) (1993)

“Consistency of a class of information criteria for model selection in non-linear regression,” *Communications in Statistics*, **20**, 1619-1629 (1991)

“Information criteria and harmonic models in time series analysis,” *Journal of Statistical Computation and Simulation*, **35**, 187-207 (with Jonathan Haughton and Alan Izenman) (1990)

“Size of the error in the choice of a model to fit data from an exponential family,” *Sankhya, Series A*, **51**, 45-58 (1989)

“On the choice of a model to fit data from an exponential family,” *Annals of Statistics*, **16**, 342-355 (1988)

#### **PROCEEDINGS, MAJOR REPORTS AND BOOK CHAPTERS; REFEREED CONFERENCE PAPERS**

“Using SOMbrero to Examine the Economic Convergence of European Countries from 2001-2013”, 12th International Workshop on Self-Organizing Maps and Learning Vector Quantization, Clustering and Data Visualization (WSOM+) 2017, At Nancy, France (with Joel Deichman, Abdolreza Eshghi and Mingfei Li)

“Is the corporate elite disintegrating? Interlock boards and the Mizruchi hypothesis”, Proceedings of ASONAM, 781-786. ACM, 2015 (with Kevin Mentzer, François-Xavier Dudouet, Pierre Latouche, and Fabrice Rossi)

“Chapter 6: Business analytics at the confluence of business education and arts and sciences”, in *Shaping the Future of Business Education*, edited by Daniel Everett and Gordon Hardy, 2013.

“The Informal Sector, Business Climate and Economic Growth: WAEMU Countries in Comparative Perspective”, Report to the World Bank”, October 2010 (with Jonathan Haughton and Aly Mbaye)

“An application of SAS Text Miner to the imputation of missing key player description in a customer database”, Conference : Northeast SAS User Group (NESUG), Burlington, Vermont, September 2009, (with Maria Skaletsky, Lisa Chang and James Lally)

“A Social Network Analysis of the Institution Collaboration Network within the Information Systems Research Community”, Conference : Modèles et Apprentissage en Sciences Humaines et Sociales, Toulouse, June 2009, (with Guangying Hua, Ekin Pehlivan, Sonia Vilvovsky, Wilson Wong). In French.

“Analyse des indicateurs de niveau de vie au Senegal: une approche SOM”, in *Agriculture, Elevage et Pauvreté en Afrique de l'Ouest*, eds. A. A. Mbaye, D. Roland-Holst and J. Otte, Edition CREA, Dakar, Senegal, (with A. A. Mbaye) (2007). In French.

“An overview of socio-economic surveys in Vietnam: methods, achievements and challenges”, *Proceedings of the 2005 Statistics Canada Symposium*, (with Phong Nguyen) (2006)

“A framework for cleaning data: bad data and mortgage decisions,” CAISE'05, Seventeenth International Conference on Advanced Information System Engineering, (with Mary-Ann Robbert and Lynne Senne) (2005)

“Software packages for data mining,” *Encyclopedia of Biostatistics, Second Edition*, Wiley (2004)

“Information quality assessment,” *InterSymp 2004*, **20**, (with Mary-Ann Robbert and Lynne Senne)(2004)

“Effect of dirty data on analysis results,” *Proceedings of the Eighth International Conference on Information Quality 2003*, (with Mary-Ann Robbert and Lynne Senne) (2003)

"Ethnic minority development in Vietnam: A socio-economic perspective," in print, in *The Vietnamese Household*, edited by Paul Glewwe, World Bank, (with Bob Baulch, Truong Thi Kim Chuyen and Jonathan Haughton) (2002)

"Large analysis of ozone data based on spherical splines," *Proceedings of the conference on Modelling Longitudinal and Spatially Correlated Data: Methods, Applications, and Future Directions*, Lecture Notes in Statistics, **122**, Springer-Verlag (with Meng Jie and Nicholas Teebagy) (1997)

"Model selection in harmonic non-linear regression," *Proceedings of the First US/Japan Conference on the Frontiers on Statistical Modeling: An Informational Approach*, 187-207 (with Jonathan Haughton and Alan Izenman) (1994)

"A survey of hospital administrators: quality health care and information systems," *Proceedings of the Twenty-third Annual Meeting of the Decision Science Institute*, **3**, 1673-1675 (with Louis Chin and Laura Carpenter) (1992)

"Consistency of a class of information criteria for model selection in non-linear regression" (in Russian), in Proceedings of the 1990 Bernoulli/IMS World Congress, *Theory of Probability and its Applications*, **37**, 105-112 (1992)

## BOOKS AND EDITED VOLUMES

**"Movie analytics: A Hollywood introduction to big data"**, 2015. *Springer-Verlag* (with Mark-David McLaughlin, Kevin Mentzer and Changan Zhang).

**"The informal sector in Francophone Africa; firm size, productivity and institutions"**. 2012, *Agence Française de Développement and The World Bank* (Nancy Benjamin and Ahmadou Aly Mbaye, editors; with Ibrahima Thione Diop, Stephen Golub, Dominique Haughton and Birahim Bouna Niang, co-editors).

**"Living standards analytics: development through the lens of household survey data"**, 2011, *Springer-Verlag* (with Jonathan Haughton).

**"Living standards during an economic boom: the case of Vietnam"**, 2001, *United Nations Development Program and General Statistical Office, Hanoi, Statistical Publishing House, Hanoi* (coedited with Jonathan Haughton and Nguyen Phong).

*Chapters authored in "Living standards during an economic boom":*

"Shooting stars and sinking stones" (with Jonathan Haughton, Le Thi Thanh Loan and Nguyen Phong)

"Fertility decline" (with Le Van Duy, Jonathan Haughton, Do Anh Kiem and Le Dinh Ky)

"Correlates of living standards: a graphical and statistical analysis" (with Joel Deichmann, Nguyen Phong and Phung Duc Tung)

**"Health and wealth in Vietnam: a statistical analysis using the Vietnam Living Standard Survey 1992-1993"**, 1999, *Institute of Southeast Asian Studies Publications* (coedited with Jonathan Haughton, Sarah Bales, Truong Kim Thi Chuyen, Nguyen Nguyet Nga). Appeared in Vietnamese, 1999, *Political Publishing House, Hanoi*.

*Chapters authored in "The Vietnamese Household":*

"Son Preference" (with Jonathan Haughton)

"Statistical Techniques for the Analysis of Household Data" (with Jonathan Haughton)

## **BOOKS AND PAPERS IN PREPARATION (SELECTED)**

“**Cause and effect business analytics**”, under Chapman and Hall contract (2013) (with Jonathan Haughton and Victor Lo)

“Food expenditures for Tet in Vietnam: Statistical models” (with Phong Nguyen and Tong Duc Thang University team)

“Alcohol consumption in Thailand: A study of the associations between alcohol, tobacco, gambling, socioeconomic status, and demographic factors” (with Pannapa Changpetch and Tong Duc Thang University team)

“Socio-economic convergence in Europe one decade after the EU Expansion of 2004” (with Joel Deichmann, Abdi Eshghi and Mingfei Li).

## **EDITORIAL BOARD MEMBERSHIP, REFEREEING AND REVIEWING**

United States co-editor *Case Studies in Business, Industry and Government Statistics*.

Member of Editorial Board *Journal of Modern Applied Statistical Methods*.

Referee for *Journal of Population Studies*, *Annals of Statistics*, *Journal of the American Statistical Association*, *Technometrics*, *Journal of Statistical Planning and Inference*, *Journal of Official Statistics*, *Communications in Statistics*, *The American Statistician*.

Panel Reviewer, Instrumentation and Laboratory Improvement Program, *National Science Foundation* (Spring 1993).

Reviewer for Wiley.

*Fulbright Review Committee* member, Vietnam Program (1994 - 1997).

Reviewer for research proposals, *National Science Foundation* (1995, 1996).

## **AWARDS**

2011 (permanent)	Elected Fellow of the American Statistical Association
2015-2016	Valente Center Faculty Research Fellow, Bentley University
2011-2012	Valente Center Faculty Research Fellow, Bentley University
2010	Outstanding Research Award, Bentley University
2007-2008	Valente Center Faculty Research Fellow, Bentley University
2002	Scholar of the Year Award, Bentley College.
Various years 1995- present	Publication Award, Bentley College.
1995	Award for Innovation in Teaching at Bentley College

## **FELLOWSHIPS AND GRANTS**

2016-2017	National Institute of Statistics of Rwanda, funding for statistical advice on the analysis of living standard surveys and capacity building, \$25,000.
2013-2015	Université Cheikh Anta Diop (Dakar, Senegal) funding for statistical advice on building models to explain the informal versus formal status of enterprises in Central Africa and conducting workshops in Gabon and Cameroon.
2011-2012:	National Science Foundation grant “Optimization of the marketing mix in the health care industry, with a view to reducing consumer costs”, funded, \$73,731 for one year.



Various summers	Bentley University summer research grant
March – August 2010:	World Bank funding on “The Informal Sector, Business Climate and Economic Growth: WAEMU Countries in Comparative Perspective” (\$24,000, with Jonathan Haughton, Sophie Faye and Olumayokun Soremekun)
January 2008:	Centre de Recherche en Economie Appliquée, Université Cheikh Anta Diop (Dakar, Senegal) funding for statistical advice on building models to explain the informal versus formal status of enterprises in several African countries.
Fall 2006:	Invited Professor, Université Toulouse I, France.
Summer 2006:	United Nations Development Program (Hanoi, Vietnam) funding for the preparation and presentation of two papers based in Vietnam living standards survey data (with Phong Nguyen).
Summer 2005:	Centre de Recherche en Economie Appliquée, Université Cheikh Anta Diop (Dakar, Senegal) funding for statistical advice on data cleaning and the revision of reports.
2004:	Bentley College Rauch grant for the preparation of a new journal Case Studies in Business, Industry and Government Statistics (CSBIGS).
1998-1999:	Research Affiliate, Department of Mathematics, MIT.
Summers 1997/98:	United Nations Development Program/World Bank contract for three ten-day workshops on social statistics for officials from the central and provincial statistics offices in Vietnam (with Jonathan Haughton).
1995-1997:	National Science Foundation Research in Undergraduate Institutions Grant, Model Selection for Mixtures, \$30,000 over two years.
June 1995:	Funded visiting professorship at the Université de Toulouse (France).
1994-1995:	Ford Foundation/American Council of Learned Societies Grant for the preparation of a book of research articles on the Vietnam Living Standard Survey.
Spring/summer 1994:	Ford Foundation/American Council of Learned Societies Grant for the design and implementation of a program to train and equip twelve research institutions in Vietnam to use the Vietnam Living Standards Survey, Hanoi, Vietnam.
Spring 1994:	Ford Foundation/American Council of Learned Societies Grant for advanced statistical training of faculty and government officials at the National Economics University, Hanoi, Vietnam.
1992-1993:	National Science Foundation Research Planning Grant: Complexity and Information Based Criteria for Model Selection, \$17,400 for one year.
1989-1998:	Visiting Scholar, Mathematics Department, MIT.
Summer 1990:	Institute of Mathematical Statistics/National Science Foundation Travel Grant.
Spring 1988:	Seed Fund Grant, University of Lowell.
Summer 1986:	Grant in Aid of Research, Temple University.
Summer 1985:	Summer Research Grant, Temple University, Philadelphia.
1978-1979:	Sachs scholarship for study at Harvard University.

1975-1978: Ecole Normale Supérieure (salaried).

1979-1980: “ “ “ “

### SELECTED INVITED TALKS

May 2016 Invited speaker, MASHS (Mathématiques appliquées aux sciences humaines et sociales / Mathematics applied to the humanities and social sciences), University Paris 1

August 2014 Invited poster, Joint statistical meetings, Boston, MA

May 2014 Invited speaker, Shanghai University of International Business and Economics

May 2014 Invited speaker, Shanghai University of Electric Power

May 2014 Invited speaker, MASHS (Mathématiques appliquées aux sciences humaines et sociales / Mathematics applied to the humanities and social sciences), University Paris 1

March 2014 Invited speaker, 11<sup>th</sup> international conference on operations research, Havana, Cuba

November 2013 Invited speaker, Conference on Statistics Training in Universities: National and International Experiences, and the Way Forward, Hanoi, Vietnam

June 2012 Invited speaker, International Symposium on Business and Industrial Statistics, Bangkok, Thailand

June 2012 Invited speaker, National Statistics Office, Bangkok, Thailand

June 2012 Invited speaker, Fudan University

March 2012 Keynote speaker, International Conference on Mathematics in Engineering & Business Management Stella Maris College and Loyola Institute of Business Administration, Chennai, India

March 2012 Invited speaker, Indian Institute of Technology, Chennai, India

October 2010 Invited panelist, Statistical Consulting in Lawsuits, Boston, MA

August 2009 Invited speaker, Joint Statistical Meetings, Washington, DC (virtual presentation)

June 2009 Invited speaker, Journées de Statistique, Bordeaux, France

June 2008 Invited speaker, Australian Statistics Conference, Melbourne, Australia

June 2008 Invited speaker, University of South Australia, Adelaide, Australia

June 2008 Invited speaker, Australian Bureau of Statistics, Canberra, Australia

June 2008 Invited speaker, Australian National University, Canberra, Australia

June 2006 Invited Speaker, Institute of Statistical Mathematics, Tokyo, Japan

June 2006 Invited Speaker, National Institute for Agro-Environmental Sciences, Tsukuba, Japan

May 2006 Invited Panelist, Statistics Career Day for High School Students, Chestnut Hill, MA

April 2006 Invited Speaker, New England Statistics Symposium, Worcester, MA

March 2005 Invited Speaker, Salford Systems Conference, New-York

May 2003 Invited Speaker, Boston Area SAS User Group

November 2002 Invited Speaker, Worcester Polytechnic Institute

September 2002 Invited Speaker, Boston Area SAS User Group

October 2000 Invited Speaker, Boston Chapter of the American Statistical Association (with Jonathan Haughton)

February 1998 Invited Speaker, Harvard School of Public Health

March 1998 Invited Speaker, Conference on Technology in Statistical Education, Babson College

May 1997 Invited Speaker, Université de Paris-Sud, Institut National de la Recherche Agronomique, Paris, France

Summer 1997 Invited Speaker, Université de Toulouse, France

May 1996 Invited Speaker, Les XXVIIIe Journées de Statistique (28th statistical conference), Université Laval, Québec

Fall 1995 Invited Speaker, MIT

Summer 1995 Invited Speaker, Université de Toulouse, France

Spring 1995	Invited Speaker, University of Nijmegen, The Netherlands.
Spring 1993	Invited Speaker, Carnegie Mellon University
Spring 1993	MIT, at Stochastic Seminar
Fall 1992	Invited Speaker, University of Connecticut
Summer 1992	Invited Lecturer, Yunnan University, Kunming, P.R.C.
Summer 1992	Invited Lecturer, State Planning Committee, Hanoi, Vietnam
Spring 1992	Invited Speaker, First US/Japan Conference on the Frontiers of Statistical Modeling: An Informational Approach; University of Tennessee
Fall 1990	Harvard Statistics Colloquium
Spring 1990	Boston University Mathematics Department
Spring 1988	MIT, at Stochastic Seminar
Summer 1987	Institute of Statistical Mathematics, Tokyo
Spring 1987	MIT, at Stochastic Seminar
Spring 1987	University of Maryland Baltimore County, Mathematics Dept.
Spring 1987	University of Virginia, Mathematics Dept.

### **PH.D. THESIS COMMITTEES**

Fernanda Maciel, Bentley University (current), chair  
 Funda Sarican, Bentley University (current), chair  
 Joseph Dery, Bentley University (current), chair  
 Kevin Mentzer, Bentley University (graduated May 2016), chair  
 Changan Zhang, Bentley University (graduated May 2016), chair  
 Fania Dimby, Université Paris 1 Panthéon-Sorbonne (2015)  
 Guangying Hua, Bentley University (graduated 2011), chair  
 Maria Skaletsky, Bentley University (graduated 2013), chair  
 Mayokun Soremekun, Bentley University (graduated 2013), chair  
 Guillaume Weisang, Bentley University (graduated 2011), chair  
 Phong Nguyen, University of South Australia and General Statistics Office, Hanoi (graduated 2014)  
 Qi Yu, Aalto University (2012)  
 Susan Kim, University of South Australia (2011)  
 Sebastien Markley, Université Toulouse I (2008)  
 Gerald Dorfman, Statistics Department, Temple University (1987).  
 Weiwen Miao, Mathematics Department, Tufts University (1995).  
 Donna Pauler, Statistics Department, Carnegie-Mellon University (1996).  
 Christine Keribin, Mathematics Department, Université d'Evry-Val-de-Marne (1999).

### **OTHER SCHOLARLY CONTRIBUTIONS**

Translation from Russian into English of the book *Probability Theory* by Y. Sinai, Springer Verlag (1992)

Co-Editor, *Proceedings of the First US/Japan Conference on the Frontiers of Statistical Modeling* (with H.Bozdogan, editor, and A.K. Gupta, G. Kitagawa, T. Ozaki, K. Tanabe, and S.C. Sclove, co-editors) (1994)

### **INFORMATION TECHNOLOGY**

Various programs and systems including Matlab, SAS, SPSS, Stata, R, Maxima, Tableau, GIS software etc.  
 Extensive experience with symposium software Saba and other virtual symposium tools.

### **SELECTED OTHER WORK EXPERIENCE**

Summer 1995 Gave a series of training sessions on statistics with Excel in the Republic of Moldova (financed by the Soros Foundation).

Summer 1989 Gave an in-house course on Probability and Statistics, Teradyne Corporation, Boston.

1982-1990 Technical translation, Russian to English, for Theory of Probability and its Applications (S.I.A.M., Philadelphia), Plenum (N.Y.), Birkhauser (Cambridge), A.M.S. (Providence) and Springer Verlag (Heidelberg). Also monograph on Probability Theory by Sinai.

1980-1983 Resident tutor, Burton House, M.I.T.

1979-1980 Resident tutor, Kirkland House, Harvard University

Summer 1980 Slavic department, Widener Library, Harvard University

Fall 1979 Translation, English to French, for Harvard Institute for International Development.

#### **CONFERENCES AND SYMPOSIA ORGANIZED**

Bentley University Virtual Analytics Symposium, Founder and chair 2009-2013

<http://www.bentley.edu/events/virtual-analytics-symposium>

Twenty-second New England Statistics Symposium, Suffolk University, Spring 2008.

Seminar on research papers using the Vietnam Living Standards Survey 1998-1999, November 1999, Hanoi, Vietnam (with Nguyen Phong).

Sixth New England Statistics Symposium, Bentley College, Spring 1992.

Fourth New England Statistics Symposium, University of Lowell, Spring 1990.

Probability and Statistics Day, Temple University, Spring 1987.

#### **MEMBERSHIPS**

American Statistical Association (Fellow)

Boston Chapter of the American Statistical Association, Past President

Elected member of the International Statistical Institute

Institute of Mathematical Statistics

Decision Science Institute

Société Française de Statistique (French Statistical Society)

#### **OTHER QUALIFICATIONS**

Passed Actuarial Examinations 100, 110, 120, 121 and 135.

#### **LANGUAGES**

French (native language); English (completely fluent); Russian (competent), Vietnamese (competent), Chinese (basic).

#### **PERSONAL**

Born May 4, 1955 in Neuilly sur Seine, France; U.S. citizen.

#### **CURRENT INTERESTS**

Travel, Vietnamese language and culture, Music, Chinese language.