

# JULIA LANE

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New York University Wagner Graduate School of Public Service - Professor  
Provostial Fellow for Innovation Analytics (May 2015 – present)

Co-founder of the [Coleridge Initiative](#) (2018 - 2022)

Senior Managing Economist and Institute Fellow (April 2012 – May 2015)

American Institutes for Research

- Established the Center for Science of Science and Innovation Policy
- Established (with Stuart Graham, Alan Marco and Evgeny Klochikhin) the [Patentsview](#) project
- Developed and implemented (in conjunction with Rayid Ghani and Ian Foster) a successful [Computational Data Analysis in Federal Agencies](#) class offered by the Computer Science Department at the University of Chicago and the American Institutes for Research
- Co-founded the [Institute for Research on Innovation and Science](#) (IRIS) at the University of Michigan

Senior Program Director, Science of Science and Innovation Policy Program (January 2008 – March 2012)

National Science Foundation

- Developed and managed the Science of Science and Innovation Policy program
- Built the multi-agency, multi-university Consortium “Science and Technology for America’s Reinvestment: Measuring the Effects of Research on Innovation, Competitiveness and Science” (STAR METRICS) program (<https://starmetrics.nih.gov>) with a budget of \$3 million.
- Conceptualized the establishment of the [ScienCV](#) program (with Wally Schaffer and the Science of Science Policy Interagency Group)
- Developed and implemented tools to meet NSF and White House strategic goals (<http://readidata.nitrd.gov/star/home.html>).

Senior Vice President and Director, Economics, Labor, and Population (September 2005 – January 2008)

NORC at the University of Chicago

- Managed the Economics Department
- Conceptualized and led the establishment of the NORC/University of Chicago remote access data enclave (<http://www.norc.uchicago.edu/DataEnclave/>).

Program Director, Economics (September 2004 – December 2005)

National Science Foundation

- Managed and allocated resources for the Economics program portfolio
- Created a new million funding opportunity for the National Science Foundation “[Next Generation Cyberinfrastructure Tools](#)” solicitation

Director, Employment Dynamics Program and Principal Research Associate (January 2000 – August 2004)

Director, Employment Dynamics Program and Principal Research Associate (January 2000 – August 2004)

The Urban Institute

- Led the creation and permanent establishment of the [Longitudinal Employer-Household Dynamics Program](#) at the U.S. Census Bureau, which is now a permanent Census Bureau program with appropriated funds of \$11 million/year and has also received a Department of Commerce Gold Medal
- Developed a research agenda that generated over \$15 million in grants and contracts from a variety of foundations, national and international agencies

Assistant, Associate and Full Professor of Economics (September 1990 – December 2001)

American University

- Initiated a research agenda that led to over \$5 million in grants and contracts from a variety of foundations, national and international agencies
- Won awards for teaching excellence

Education and Social Policy unit ; Private Sector Development unit (consultancies and on sabbatical, May 1992 – December 2006)

The World Bank

- Analyzed and documented the return on education investment in the Philippines, Tanzania and Nadu, India
- Led a major skill needs project for Malaysia
- Designed and implemented evaluations in Mexico, Morocco, Tunisia, Madagascar

Assistant and Associate Professor of Economics (January 1984 – May 1990)

University of Louisville

- Established the Center for Business and Economic Research
- Received several awards for research

Assistant Professor of Economics (December 1982 – December 1983)

Western Illinois University

## SELECTED PROFESSIONAL ACTIVITIES

### SELECTED FELLOWSHIPS AND AWARDS

[Government Innovation Award](#) 2018 for ADRF

New Zealand Association of Economists, [Distinguished Fellow](#), 2018

[Warren E. Miller Award for Meritorious Service to the Social Sciences](#), ICPSR, University of Michigan 2017

Fellow, International Statistical Institute

Fellow, American Association for the Advancement of Science

Fellow, Society of Economic Measurement

[Roger Herriot Award](#), American Statistical Association, 2014

[Julius Shiskin Award](#), American Statistical Association, 2014

Gutenberg Chair, University of Strasbourg, 2014

Fellow, American Statistical Association, 2009

National Association of State Workforce Agencies Vladimir Chavrid Award, 2004

National Association of State Workforce Agencies Vladimir Chavrid Award, 2004

Senior Research Fellow, Census Bureau 1998 – 2004 (expanding the LEHD program)

ASA/NSF Census Fellow 1997-1998 (developing the precursor to the LEHD program)

Research Fellow, IZA (Institute for the Study of Labor, Bonn Germany)

### **MOST RECENT EDITORIAL BOARDS**

Editorial Advisory Board: *Science and Public Policy*, Oxford University Press

Associate Editor, PLOS ONE

Advisory Editor: *Research Policy*

Associate Editor: *Journal of Privacy and Confidentiality*

Associate Editor: *Journal of Policy Analysis and Management*

### **SELECTED PROFESSIONAL SERVICE**

OSTP/OMB Service, Executive Office of the President

- National AI Research Resource Task Force, 2021-2023
- Advisory Committee on Data for Evidence Building 2020-2022  
(<https://www.bea.gov/evidence>)
- Senior Advisor, OMB/OFCIO, Federal Data Strategy 2019-2021
- President's Council of Advisors on Science and Technology Working group on Review of National Nanotechnology Initiative 2014

National Science Foundation

- Advisory Board, ECR Hub: Advancing the Long-Term Potential of Fundamental Research (managed by American Institutes for Research) 2023-2028
- National Network for Critical Technology Assessment (managed by Carnegie Mellon University, 2022-2023)
- Office of Advanced Cyberinfrastructure (Committee of Visitors), 2022

AAPOR

- Big Data Task Force 2014-2015

American Statistical Association

- Chair, Subcommittee on Privacy and Confidentiality 2012-2-14
- ASA Fellows Subcommittee 2011-2013

American Association for the Advancement of Science

- Member, Electorate Nominating Committee, Section K on Social, Economic, and Political Sciences (elected 2010)
- Chair elect, 2016, Section K, Social Economic and Political Sciences (elected 2015)

National Academies of Science

- Transportation Research Board 2013
- Committee on Revisions to the Common Rule for the Protection of Human Subjects in Research in the Behavioral and Social Sciences 2013
- National Academy of Engineering: Career Paths of Engineers 2014-2015
- Improving the American Community Survey 2016
- "Envisioning the Data Science Discipline: The Undergraduate Perspective" 2018

- National Academy of Engineering: Career Paths of Engineers 2014-2015
- Improving the American Community Survey 2016
- "Envisioning the Data Science Discipline: The Undergraduate Perspective", 2018

White House National Science and Technology Council

- Cochair (with Bill Valdez) the Science of Science Policy Interagency group (chartered by the Subcommittee of Social and Behavioral Sciences of the National Science and Technology Council)

### INTERNATIONAL RECOGNITION

- Advisory Board BERD@NFDI: NFDI Consortium for Business, Economic and Related Data

Research Councils UK International Panel

- International Review of eScience 2009

German Wissenschaftsrat (National Academies equivalent)

- Roadmap for Social Science and Humanities Research Infrastructure 2009-2010
- Roadmap for Science Research Infrastructure 2011-2012
- Sciencebased Energy Research Challenges 2012-2013

OECD/Global Science Forum

- Expert group on data infrastructure

## PUBLICATIONS

### BOOKS

Under Contract:

Projects, Products, Practice, and Pitfalls: A Hands-On Approach to Advanced Data Analytics, with Rayid Ghani, Frauke Kreuter, Anna-Carolina Haensch, Maryah Garner, Chapman & Hall/CRC (expected 2024).

Authored

1. *Democratizing Our Data: A Manifesto*, MIT Press July 2020

Podcast Media: [Scientific Sense](https://mitpress.mit.edu/blog/author-talk-democratizing-our-data-julia-lane); <https://mitpress.mit.edu/blog/author-talk-democratizing-our-data-julia-lane>; <https://www.engadget.com/hitting-the-books-democratizing-our-data-julia-lane-150045790.html>; <https://theconversation.com/video-who-controls-pandemic-data-143638>; <https://rss.onlinelibrary.wiley.com/doi/10.1111/1740-9713.01428>;

Reviews: <https://www.nature.com/articles/d41586-020-02733-3>  
<https://www.publishersweekly.com/9780262044325>

2. *Where Are All The Good Jobs Going? What National And Local Job Quality And Dynamics Mean For U.S. Workers* co-authored with Harry Holzer and David Rosenblum, Russell Sage Press, 2011.
3. *Economic Turbulence: Is A Volatile Economy Good for America?*, co-authored with Clair Brown and John Haltiwanger, University of Chicago Press, 2006 (reviewed in Wall Street Journal and the Economist blog); <http://www.ala.org/awardsgrants/content/economic-turbulence-volatile-economy-good-america-2>
4. *Moving Up or Moving On: Workers, Firms and Advancement in the Low-Wage Labor Market*, co-authored with Fredrik Andersson and Harry Holzer, Sage Press, 2005 (Included in Princeton University Industrial Relations Section "Noteworthy Books in Industrial Relations and Labor Economics 2005"; reviews in Journal of Economic Literature and Industrial and Labor Relations Review).

Edited

1. [Rich Search and Discovery for Research Datasets](#), with Paco Nathan and Ian Mulvany, June 2020, SAGE press

1. [Rich Search and Discovery for Research Datasets](#), with Paco Nathan and Ian Mulvany, June 2020, SAGE press
2. Edited Volume: Developing the Basis for Secure and Accessible Data for High Impact Program Management, Policy Development, and Scholarship, *The ANNALS of the American Academy of Political and Social Science* Volume 675, Issue 1, January 2018
3. *Measuring the Economic Value of Research: The Case of Food Safety* co-edited with Kaye Husbands Fealing, Stan Johnson and John King, Cambridge University Press, forthcoming 2018
4. [Big Data and Social Science Research: Theory and Practical Approaches](#) co-edited with Ian Foster, Rayid Ghani, Ron Jarmin and Frauke Kreuter, Taylor Francis, 2016 (reviews in *Journal of American Statistical Association* 112:518, 878-882, DOI: 10.1080/01621459.2017.1325629 *Journal of Statistical Software* <https://www.jstatsoft.org/article/view/v078b02>)
  - a. Second edition August 2020
5. *Privacy, Big Data, and the Public Good: Frameworks for Engagement*, co-edited with Stefan Bender, Helen Nissenbaum and Victoria Stodden, supported by the NYU Center for Urban Science and Progress and the American Statistical Association, Cambridge University Press, 2014 (reviewed in *Science* November 14, 2014 346 (6211): 818 <http://www.sciencemag.org/content/346/6211/818.1.full>)
6. *The Handbook of Science of Science Policy*, co-edited with Kaye Husbands-Fealing, Jack Marburger, Stephanie Shipp, and Bill Valdez, Stanford University Press, 2011.
7. *The Analysis of Firms and Employees: Quantitative and Qualitative Approaches*, co-edited with Stefan Bender, Fredrik Andersson, Kathryn Shaw and Till Von Wachter, NBER, University of Chicago Press, 2008
8. *Confidentiality, Disclosure and Data Access: Theory and Practical Applications for Statistical Agencies*, coedited with Pat Doyle, Laura Zayatz and Jules Theeuwes, North Holland, 2001.
9. *The Creation and Analysis of Employer and Employee Matched Data* part of the North Holland Contributions to Economic Analysis Series. Coedited with John Haltiwanger, Jim Spletzer, Jules Theeuwes and Ken Troske. 1999.

#### ARTICLES PUBLISHED IN REFEREED JOURNALS

1. “Women are Credited Less in Science than Men”, *Nature*, with Britta Glennon, Raviv Murciano-Goroff, Bruce Weinberg, Enrico Berkes and Matt Ross, June 2022 <https://www.nature.com/articles/s41586-022-04966-w>
2. “Does Federally-Funded Job Training Work? Nonexperimental Estimates of WIA Training Impacts Using Longitudinal Data on Workers and Firms” with Jeff Smith, Harry Holzer, Fredrik Andersson and David Rosenblum, *Journal of Human Resources*, forthcoming
3. “The Value of Science, Special Theme (Editors’ Overview)?” *Harvard Data Science Review*, 4(2), 2022, with Frauke Kreuter, Brian Kim and Allison Nunez <https://hdsr.mitpress.mit.edu/pub/4zjxu63p/release/2>
4. “Data Inventories for the Modern Age? Using Data Science to Open Government Data” with Ernesto Gimeno, Ekaterina Levitskaya, Zheyuan Zhang, and Alberto Zigoni *Harvard Data Science Review*, 4(2), 2022 <https://hdsr.mitpress.mit.edu/pub/g6e8noiy/release/2?readingCollection=713cbc90>
5. Interview with Paul Romer, *Harvard Data Science Review*, 4(2), 2022 <https://hdsr.mitpress.mit.edu/pub/zgu2u8y6/release/1?readingCollection=713cbc90>
6. A Value-Driven Approach to Building Data Infrastructures: The Example of the Midwest Collaborative. Cunningham, J., Hui, A., & Putnam, G. (2022). *Harvard Data Science Review*, 4(1). <https://doi.org/10.1162/99608f92.f9fc894c>
7. “Enhancing and accelerating social science via automation: Challenges and opportunities.” (2020) Yarkoni, T., Eckles, D., Heathers, J., Levenstein, M., Smaldino, P., & Lane, J. I. *Harvard Data Science Review*.
8. “A new approach for estimating research impact: An application to French cancer research” with Gerard Chevalier, Christine Chomienne, Nicholas JeanRenaud and Matthew Ross, *Quantitative Science Studies*, 2020
9. Occupational Classifications: A Machine Learning Approach, with Akina Ikudo, Joe Staudt and Bruce Weinberg *Journal of Economic and Social Measurement*, 2019



9. Occupational Classifications: A Machine Learning Approach, with Akina Ikudo, Joe Staudt and Bruce Weinberg *Journal of Economic and Social Measurement*, 2019
10. Federal funding of doctoral recipients: What can be learned from linked data, Wan-Ying Chang, Wei Cheng, Bruce Weinberg, *Research Policy*, 2019
11. Proximity and Economic Activity: An Analysis of Vendor-University Transactions”. With Nathan Goldschlag, Bruce Weinberg and Nik Zolas, *Journal of Regional Science*, 2018
12. Building an Infrastructure to Support the Use of Federal Administrative Data for Social Science Researchers, *Annals of the American Academy of Political and Social Science*, January 2018
13. “Watch the players, not the scoreboard”, *Nature Index*, November 2017,
14. [A call to action to build social science data infrastructure](#) *Nature Human Behaviour*, April 7, 2017
15. [Arthur Kennickell and the art and science of measurement](#) *Journal of the International Association for Official Statistics*, March 2017
16. [Fix Incentives](#), *Nature*, 1 September 2016 537, S20 doi:10.1038/537S20a
17. [“Big Data for Public Policy: The Quadruple Helix”](#) *Journal of Policy Analysis and Management*, summer 2016, together with [Big Data: The Role of Education and Training](#), *Journal of Policy Analysis and Management*, summer 2016 and [Providing Big Data for Evidence-based Policy Making](#), *Journal of Policy Analysis and Management*, summer 2016 (with Paul Decker)
18. “Gender and the Publication Output of Graduate Students” with Michele Pezzoni, Jacques Mairesse and Paula Stephan, *PLOS One*, January 13, 2016  
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0145146>
19. “Big data in survey research: AAPOR task force report” with Lili Japac, Frauke Kreuter, Marcus Berg, Paul Biemer, Paul Decker, Cliff Lampe, Cathy O’Neil and Abe Usher, *Public Opinion Quarterly*, (2015) 79 (4): 932-951
20. “Wrapping it up in a person: Examining employment and earnings outcomes for PhD recipients” with Nicholas Zolas, Nathan Goldschlag, Ron Jarmin, Paula Stephan, Jason Owen Smith, Rebecca Rosen, Barbara McFadden Allen, Bruce Weinberg, December 11, 2015, *Science* Vol. 350, Issue 6266, pp. 1367-1371 DOI: 10.1126/science.aac5949
21. “New linked data on science investments, the scientific workforce and the economic and scientific results of science”, with Jason Owen Smith, Rebecca Rosen and Bruce Weinberg, *Research Policy*, 2015
22. “Do as the Neighbors Do: The Impact of Social Networks on Immigrant Employment,” with Fredrik Andersson and Simon Burgess, (2014). *Journal of Labor Research*,
23. “Science Funding and Short-Term Economic Activity”, with Bruce Weinberg, Jason Owen-Smith, Rebecca Rosen, Lou Schwarz, Barbara McFadden Allen and Roy Weiss, *Science*, April 4, 2014
24. “Workers’ View of the Impact of Trade on Jobs” with Clair Brown and Tim Sturgeon; *Industrial Relations* January, 2013
25. “Decomposing the Sources of Earnings Inequality: Assessing the Role of Reallocation” with Fredrik Andersson, Elizabeth Davis, Matthew L. Freedman, Julia I. Lane, Brian P. McCall, L. Kristin Sandusky; *Industrial Relations*, October 2012 (lead article)
26. STAR METRICS and the Science of Science Policy” with Mark Largent, *Research Policy Review*, 2012
27. “Overview of the Science of Science Policy Symposium” with Dan Black, *Journal of Policy Analysis and Management*, 2012
28. “Measuring the Results of Science Investments” with Stefano Bertuzzi, *Science*, Volume 331, pages 678-680, February 11, 2011.
29. “Lost Jobs and Health Insurance: An Analysis of the Impact of Employment Volatility on Firm provided Health Insurance Coverage” with Fredrik Andersson, Iben Bolvig and Matt Freedman, *Applied Economics*, Volume 43, Issue 23, pages 3051-3-73, 2011.
30. “Balancing Access to Data And Privacy. A review of the issues and approaches for the future” with Claudia Schur, *Health Services Research*, Volume 45, Issue 5, pages 1456–1467, October 2010.
31. “Let’s Make Science Metrics More Scientific” *Nature*, Volume 464, pages 488–489, March 25, 2010.
32. “Assessing the Impact of Science Funding” *Science*, Volume 324. no. 5932, pp. 1273 – 1275. 5 June 2009.

- 25, 2010.
32. "Assessing the Impact of Science Funding" *Science*, Volume 324. no. 5932, pp. 1273 – 1275, 5 June 2009.
  33. "Product Market Competition and Human Resource Practices: An Analysis of the Retail Food Sector" with Elizabeth Davis, Matthew Freedman, Brian McCall, Nicole Nestoriak and Tim Park *Industrial Relations*, Volume 48.2 pages 350-371, 2009.
  34. "Reaching for the Stars: Paying for Talent in Innovative Industries" with Fredrik Andersson, Matthew Freedman, John Haltiwanger, and Kathy Shaw (NBER working paper W12435), *The Economic Journal*, Volume 119 Issue 538, Pages F308 - F332, 2009.
  35. "Matching, Reallocation and Changes in Earnings Dispersion" with Simon Burgess and Kevin McKinney, *Oxford Bulletin of Economics and Statistics*, Volume 71, pages 91-110, 2009.
  36. "Confidentiality in a CyberWorld", with Pascal Heus and Tim Mulcahy *Transactions in Data Privacy*, Volume 1, Issue 1, pages 2 – 16, 2009.
  37. "Introduction to Special Issue "Firms and Employees", with Stefan Bender *Labour Economics*, Volume 15, Issue 4, pages 660-661, 2009.
  38. "New Data for Economic Geographers" with Matt Freedman and Marc Roemer *Journal of Official Statistics*, Volume 24 133-156, March 2008.
  39. "Optimizing Access to Micro Data", *Journal of Official Statistics*, Volume 23 pages 299-317, September 2007.
  40. "Wages, Productivity and the Dynamic Interaction of Businesses and Workers" with J. Haltiwanger and J. Spletzer) *Labour Economics* Volume 14, Issue 3, Pages 575-602, June 2007.
  41. "Using Worker Flows in the Analysis of the Firm" with Gary Benedetto, John Haltiwanger, and Kevin McKinney *Journal of Business and Economic Statistics*, Volume 25, No. 3, pp.299-313, July 2007.
  42. "Cities, Matching and the Productivity Gains of Agglomeration" with Fredrik Andersson and Simon Burgess, *Journal of Urban Economics*, pages 112-128, January 2007.
  43. "The Dynamics of Worker Reallocation: A Markov Approach" with Amos Golan and Erika McEntarfer, *Economica*, Volume 74, No. 293, pages 1-20, January 2007.
  44. "Employer-Employee Linked Data: A New Frontier in Regional Data Analysis" with Bryce Stephens, *International Regional Science Review*, Volume 29 Issue 3, pages 264-277, July 2006.
  45. "Escaping Poverty For Low-Wage Workers: The Role of Employer Characteristics and Changes" with Harry Holzer and Lars Vilhuber, *Industrial and Labor Relations Review*, 57(4), 560-578, July 2004.
  46. "Integrated Longitudinal Employee-Employer Data for the United States" with John Abowd and John Haltiwanger, *American Economic Review*, Volume 94, pages 224-229, May 2004.
  47. "Pathways to Work for Low Income Workers: The Effect of Work in the Temporary Help Industry" with Kelly Mikelson, Pat Sharkey and Doug Wissoker *Journal of Policy Analysis and Management* Volume 22 pages 581-598 Fall 2003.
  48. "The Efficient Use of Time in Education" with Benoit Millot *Education Economics* Volume 10 Issue 2, pages 209–28, August 2002.
  49. "Do Labor Strategies Matter? An Analysis of Two Enterprise Level Datasets in China" with Robert Feinberg and Harry Broadman *International Journal of the Economics of Business* Volume 9 Issue 2, pages 225-237, July 2002.
  50. "Churning dynamics: an analysis of hires and separations at the employer level", with Simon Burgess and David Stevens, *Labour Economics* Volume 8 Issue 1, pages 1-14, 2001.
  51. "Welfare-to-Work Outcomes: The Role of the Employer" with David Stevens *Southern Economic Journal* Volume 67, Issue 4, pages 1010-1021, April 2001.
  52. "Job Flows and Worker Flows in the Life Cycle of the Firm" with Simon Burgess and David Stevens *Oxford Bulletin of Economics and Statistics* Volume 62, pages 885-908, December 2000.
  53. "Job Flows, Worker Flows and Churning" with Simon Burgess and David Stevens, *Journal of Labor Economics*, Volume 18, pages 473-502, July 2000.
  54. "High Wage and Low Wage Jobs: The Role of Employers in Earnings Inequality" with Jules Theeuwes and David Stevens, *Review of Income and Wealth*, Volume 46, Issue 2, pages 213-230, June 2000.
  55. "Job, Market and Public Policy: The Case of Mexico" with Gillian Hicks and

- Jules Theeuwes and David Stevens, *Review of Income and Wealth*, Volume 46, Issue 2, pages 213-230, June 2000.
55. "Labor Markets and Public Policy: The Case of Morocco" with Guillermo Hakim and Javier Miranda, *World Bank Economic Review* Volume 13, Issue 3, pages 561-578, September, 1999.
  56. "Dropout Intervention in Elementary Education: an Evaluation of Four Interventions" with Jee Peng Tan and Gerard Lassibille, *World Bank Economic Review*, Volume 13, Issue 3, pages 493-508, September 1999.
  57. "Productivity Differences Across Employers: The Role of Employer Size, Age, and Human Capital" *American Economic Review*, with John Haltiwanger and Jim Spletzer, Volume 89, Issue 2, pages 94-98, May 1999.
  58. "Hiring Risky Workers: Some Evidence" with Simon Burgess and David Stevens, *Journal of Economics and Management Strategy*, Volume 7, Issue 4, pages 669-676, Fall 1998.
  59. "Labor Flexibility, Firm ownership and performance in China" with Inderjit Singh and Harry Broadman, *Review of Industrial Organization*, Volume 13, pages 621-635, 1998.
  60. "Turnover in an Accounting Firm" with Michael Parkin, *Journal of Labor Economics*, Volume 16, Issue 4, pages 702-717, October 1998.
  61. "Putting Inputs to Work in Education" with Jee Peng Tan and Paul Coustere, *Economic Development and Cultural Change*, Volume 45, Issue 3, pages 857-879, April 1997.
  62. "Firm Heterogeneity and Worker Turnover" with David Stevens and Alan Isaac, *Review of Industrial Organization*, Volume 11, Issue 3, pages 275-291, June 1996.
  63. "Worker and Job Flows" with David Stevens and Simon Burgess *Economics Letters*, Volume 51, pages 109-113, 1996.
  64. "Financial Innovation, New Assets, and the Behavior of Money Demand" with Dennis Glennon, *Journal of Banking and Finance*, Volume 20 Issue 2, pages 207-225, March, 1996.
  65. "Family, Work and Welfare History: Work and Welfare Outcomes" with David Stevens. *American Economic Review*, Volume 85, Issue 2, pages 266-271, May 1995.
  66. "Shortage or Surplus: Economic and Noneconomic Approaches to the Analysis of Nursing Labor Markets" with Stephan Gohmann, *Southern Economic Journal*, Volume 61, Issue 3, pages 644-653, January 1995.
  67. "The Measurement and Interpretation of Employment Displacement: New Micro-data Based Results" with David Stevens and Robert Crosslin *Applied Economics*, Volume 26, Issue 6, pages 603-609, June 1994.
  68. "The Effect of a Minimum Youth Wage in New Zealand" with Raymond Harbridge *New Zealand Journal of Industrial Relations* Volume 18, Issue 3, pages 275-287, December 1993.
  69. "A Work Profile of Financial Researchers" (with R. Ray, J. Brandi and D. Glennon) *International Journal of Finance*, Volume 6, Issue 1, 1993.
  70. "Post-operative Vomiting Procedures in IVF Patients: The Effect of Belief and Pneumo Peritoneal Procedures" with Rose Coburn and Keith Harrison, *Australia/New Zealand Journal of Obstetrics and Gynaecology*, Volume 33 Issue 1, 1993 .
  71. "Warranty, Quality and Price in the U.S. Automobile Market", with Evan Douglas and Dennis Glennon, *Applied Economics*, Volume 25, Issue 1, pages 135-142, Jan. 1993.
  72. "Factors Influencing Academic Research Productivity", with Terry Hancock, Russ Ray and Dennis Glennon) *Interfaces*, pages 25-38, September/October, 1992.
  73. "Embodied Technological Change and Tests of the Internal Adjustment Cost Hypothesis" with Richard McHugh, *Journal of Business and Economic Statistics*, Volume 8, Issue 4, pages 459-465, October 1990.
  74. "Work Profiles of Research Statisticians", with Dennis Glennon and Russ Ray, *The American Statistician*, Volume 44, pages 9-13, February, 1990.
  75. "Measures of Local Business Climate: Alternative Approaches", with Dennis Glennon and James McCabe, *Regional Science Perspectives*, Volume 19, Issue 1, pages 89-106, Spring 1989.
  76. "Regional Econometric Forecasting Models that Reflect Aggregate Production Relations", with Dennis Glennon and Stan Johnson, *International Journal of Forecasting* Volume 3, Issue 2, pages 299-313, 1987.
  77. "A Multi State Analysis of the Targeted Jobs Tax Credit Program", with Tom Berry, *Applied Economics*, Volume 21, Issues 1, pages 85-95, January, 1989.



- Issue 2, pages 299-313, 1987.
77. "A Multi State Analysis of the Targeted Jobs Tax Credit Program", with Tom Berry, *Applied Economics*, Volume 21, Issues 1, pages 85-95, January, 1989.
  78. "Development Rights and the Differential Assessment of Agricultural Land", with Robert Blewett *American Journal of Economics & Sociology*, Volume 47, Issue 2, pages 195-206, April 1988.
  79. "The Estimation of Earnings Profiles in Wrongful Death and Injury Cases: Authors' Reply" with Dennis Glennon, *Journal of Risk and Insurance*, pages 687-695, March 1988.
  80. "The Age of Capital, the Age of Utilized Capital Tests of the Embodiment Hypothesis Revisited", with Richard McHugh, *Review of Economics and Statistics*, Volume 69, Issue 2, pages 362-368, May 1987.
  81. "The Decline of Labor Productivity in the 1970's: The Surprising Role of Embodied Technological Change" with Richard McHugh, *Southern Economic Journal*, Volume 53, Issue 4, pages 915-925, April 1987.
  82. "Imputing a Housewife's Earnings in a Wrongful Death and Injury Case", with Dennis Glennon, *Journal of Risk and Insurance* Volume 53, Issue 4, pages 734-744, December, 1986.
  83. "Pay Equity in Occupations: The Nursing Profession" with LaVonne Straub *Population Research & Policy Review*, pages 31-45, May, 1986.
  84. "Incorporating Labor Market Structure in Regional Econometric Models", with Dennis Glennon, Stanley Johnson, and Edward Robb, *Applied Economics*, Volume 18, Issue 5, pages 545 –556, May, 1986.
  85. "The Estimation of Earnings Profiles in Wrongful Death and Injury Cases", with Dennis Glennon, *Journal of Risk and Insurance* Volume 55, Issue 1, pages 168-180, December, 1985.
  86. "Hospital Market Structure and the Return to Nursing Education", with LaVonne Booton *Journal of Human Resources* pages 183-196, Spring 1985.
  87. "An Empirical Estimate of the Effects of Labor-Market Distortions on the Factor Content of U.S. Trade", *Journal of International Economics*. pages 187-193, February, 1985.
  88. "The Embodiment Hypothesis: An Interregional Test" with Richard McHugh, *Review of Economics and Statistics*, pages 323-327, May 1983.

#### **BOOK CHAPTERS:**

1. A Roadmap to a Nationwide Data Infrastructure for Evidence-Based Policymaking with Andrew Reamer December 21, 2017; pp. 28–35 in *The ANNALS of the American Academy of Political and Social Science* Volume 675, Issue 1
2. Building an Infrastructure to Support the Use of Government Administrative Data for Program Performance and Social Science Research pp. 240-252 in *The ANNALS of the American Academy of Political and Social Science* Volume 675, Issue 1
3. The Conceptual and Empirical Framework, with Nathan Goldschlag, Bruce Weinberg and Bruce Weinberg in *Measuring the Economic Value of Research: The Case of Food Safety*, Kaye Husbands Fealing, Julia Lane, John King, Stanley Johnson Eds, Cambridge University Press, 2018
4. Identifying Food Safety related Research, with Evgeny Klochikhin in *Measuring the Economic Value of Research: The Case of Food Safety*, Kaye Husbands Fealing, Julia Lane, John King, Stanley Johnson Eds, Cambridge University Press, 2018
5. The Structure of Research Funding, with Reza Sattari, and Chia-Hsuan Yang in *Measuring the Economic Value of Research: The Case of Food Safety*, Kaye Husbands Fealing, Julia Lane, John King, Stanley Johnson Eds, Cambridge University Press, 2018
6. The Food Safety Research Workforce and Economic Outcomes, with Matthew Ross and Akina Ikudo in *Measuring the Economic Value of Research: The Case of Food Safety*, Kaye Husbands Fealing, Julia Lane, John King, Stanley Johnson Eds, Cambridge University Press, 2018
7. The Link Between University R&D, Human Capital and Business Startups, with Nathan Goldschlag, Ron Jarmin and Nikolas Zolas, *NBER CRIW volume on The Measurement and Diffusion of Innovation*, Carol Corrado, Dan Sichel and Javier Miranda (eds), forthcoming.
8. Policy Analysis in Policy Advisory Committees" *Policy Analysis in the United States*, John Hird (ed) in the *International Library of Policy Analysis* series, 2017
9. "Privacy and Confidentiality" in *Big Data and Social Science: A Practical Guide to Methods*

8. Policy Analysis in Policy Advisory Reports in the *United States*, John Hird (ed) in the *International Library of Policy Analysis* series, 2017
9. "Privacy and Confidentiality" in *Big Data and Social Science: A Practical Guide to Methods and Tools*, Taylor Francis, 2016
10. "Science and Innovation Policy" in the *Oxford Research Encyclopedia of Business and Management*, Oxford University Press, 2017
11. "Editors' Introduction" in *Privacy, Big Data, and the Public Good: Frameworks for Engagement*, co-edited with Stefan Bender, Helen Nissenbaum and Victoria Stodden, Cambridge University Press, 2014
12. "STAR METRICS" with Rebecca Rosen in *Ethics, Science, Technology, and Engineering: An International Resource, 2<sup>nd</sup> edition*. Macmillan, 2014
13. "Science Metrics and Science Policy" with Mark Largent and Rebecca Rosen in *Next Generation Metrics: Harnessing Multidimensional Indicators Of Scholarly Performance* Edited by Blaise Cronin and Cassidy Sugimoto, MIT Press, 2013
14. "The Science of Science Policy" with Kaye Husbands Fealing and John King in Bainbridge (ed) *Leadership in Science and Technology: A Reference Handbook*, Sage Press, 2011.
15. "Protecting Confidentiality" *World Wide Research: Reshaping the Sciences and Humanities*, Dutton, W. H., and Jeffreys, P. W. (eds), Cambridge, MA: The MIT Press, 2010.
16. "Temporary Help Agencies and the Advancement Prospects of Low Earners" with Harry Holzer and Fredrik Andersson, in *Labor Market Intermediaries*, David Autor (ed), NBER, University of Chicago Press, 2009.
17. "Linking Administrative and Survey Data" in *The Handbook of Survey Research* in Peter Marsden and Jim Wright (eds), Emerald University Press, 2010.
18. "Inequality and the Labour Market – Employers" in the *Oxford Handbook on Economic Inequality*, Wiemer Salverda, Brian Nolan and Tim Smeeding, (eds), Oxford University Press, 2009.
19. "Introduction " with Stefan Bender, Fredrik Andersson, Kathryn Shaw and Till Von Wachter) *The Analysis of Firms and Employees: Quantitative and Qualitative Approaches*, co-edited with Stefan Bender, Fredrik Andersson, Kathryn Shaw and Till Von Wachter, NBER, University of Chicago Press, 2008
20. "Wage Structure and Labor Mobility in the United States" with John Abowd and John Haltiwanger in *An International Comparison of the Structure of Wages* Ed Lazear and Kathy Shaw (eds). NBER/University of Chicago Press, 2008.
21. "Data Protection and Data Utility: Evidence from the Survey of Consumer Finances" with Arthur Kennickell, in *Privacy in Statistical Databases Lecture Notes in Computer Science*, Josep Domingo-Ferrer and Vincenc Torra (eds.), New York: Springer-Verlag, 2006.
22. "The Relationship among Human Capital, Productivity and Market Value: Building up from Micro Evidence", with John Abowd, John Haltiwanger, Ron Jarmin, Paul Lengermann, Kristin McCue, Kevin McKinney and Kristin Sandusky *Measuring Capital in the New Economy*, in Carol Corrado, John Haltiwanger and Dan Sichel (eds), University of Chicago Press, 2005.
23. "Too Many Cooks? Tracking Internal Labor Market Dynamics in Food Service with Case Studies and Quantitative Data" with Phil Moss, Chris Tilly and Hal Salzman, in *The Future of Work: How and Why Low-wage Jobs are Changing* Eileen Appelbaum, Annette Bernhardt and Richard Murnane, (eds), Russell Sage Foundation, New York, 2004.
24. "New Approaches to Confidentiality Protection: Synthetic Data, Remote Access and Research Data Centers", with John Abowd in *Privacy in Statistical Databases 2004* Josep Domingo-Ferrer and Vincenc Torra (eds.) New York: Springer-Verlag, 2004.
25. "Introduction" with Pat Doyle, Laura Zayatz and Jules Theeuwes in *Confidentiality, Disclosure and Data Access: Theory and Practical Applications for Statistical Agencies*, Pat Doyle, Julia Lane, Laura Zayatz and Jules Theeuwes (eds), North Holland, 2001.
26. "Business Perceptions of Confidentiality" with Nick Greenia and J. Bradford Jensen in *Confidentiality, Disclosure and Data Access: Theory and Practical Applications for Statistical Agencies*, Pat Doyle, Julia Lane, Laura Zayatz and Jules Theeuwes (eds), North Holland, 2001.
27. "What Factors Affect a Low Wage Worker's Ability to Become Selfsufficient or Progress in the Labor Market: The Role of Job Turnover" in *The Low Wage Labor Market: Challenges and Opportunities for Selfsufficiency*, Demetra Nightingale (ed), Urban Institute Press, 1999

the Labor Market: The Role of Job Turnover” in *The Low Wage Labor Market: Challenges and Opportunities for Selfsufficiency*, Demetra Nightingale (ed), Urban Institute Press, 1999.

28. “The Effect of Worker Reallocation on Earnings Dispersion: Longitudinal Evidence from Linked Data” with Jim Spletzer, Javier Miranda and Simon Burgess in *The Creation and Analysis of Employer and Employee Matched Data*, John Haltiwanger, Julia Lane, Jim Spletzer, Jules Theeuwes and Ken Troske (eds) North Holland, 1999.
29. “Sources of Earnings Dispersion in a Linked Employer-Employee Dataset: Evidence from Norway” with Simon Burgess and Kjell Salvanes in *The Creation and Analysis of Employer and Employee Matched Data*, John Haltiwanger, Julia Lane, Jim Spletzer, Jules Theeuwes and Ken Troske (eds) North Holland, 1999.
30. “Job Flows and Worker Flows: Issues and Evidence from a Panel of US Firms” with Simon Burgess and David Stevens in *Flow Analysis of Labor Markets: International Perspectives* (ed) R. Schettkatt, Routledge, London. 1996.
31. “Input-Output Restrictions, Regional Structural Models, and Economic Forecasts” with Dennis Glennon, in *New Directions in Regional Analysis, Integrated and Multiregional Approaches*, Luc Anselin and Moss Madden (eds.), Belhaven Press, 1990.

### MONOGRAPHS AND POLICY BRIEFS

1. “Small Business Employment Dynamics Revisited” with David Stevens in *Small Consolation: The Dubious Benefits of Small Business for Job Growth and Wages*, Economic Policy Institute, 1998.
2. “Worker Advancement in the Low-Wage Labor Market: The Importance of 'Good Jobs” with Harry Holzer and Fredrik Andersson, Brookings Institution, 2003.
3. “Too Many Cooks?” with Phil Moss, Hal Salzman and Chris Tilly, *Regional Review*, Boston Federal Reserve, Quarter 4, 2003 / Quarter 1, 2004
4. “Work in Temp Agencies: Path Forward or Way Back?” with Harry Holzer and Fredrik Andersson, *Vox*, October, 2007

### ARTICLES PUBLISHED IN NON-REFEREED JOURNALS

1. “Free' Markets Prove Costly in New Zealand” with Peter Lane, *Challenge*, Volume 34, Issue 5, pages 42-48 September/October 1991.
2. “Training Differences and Earnings Inequality” with R. Lerman *VierteljahrsHefte zur Wirtschaftsforschung*, 1/2 1994.
3. “The Uses of Longitudinal Matched Employer/Employee Data in Labor Market Analysis” with Jules Theeuwes and Simon Burgess *Proceedings of the American Statistical Association*, 1998.
4. “Linking Industrial And Household Surveys In Developing Countries: Alternative Approaches” in *Proceedings of the International Association of Survey Statisticians*, 1998.
5. “Overview of the International Symposium on Linked Employer-Employee Data” with John Haltiwanger, Jim Spletzer, Jules Theeuwes and Ken Troske, *Monthly Labor Review*, pg. 48-49, July 1998.
6. “Perceptions Of Confidentiality Protection at Statistical Agencies: Some Evidence from Data On Businesses And Households” with Nicholas Greenia and Diane Willimack in *Statistical Journal of the United Nations Economic Commission for Europe*, 18(4) 2001.
7. “Overview of the New Zealand Conference on Database Integration and Linked Employer - Employee Data” with Tim Maloney, *New Zealand Economic Papers*, June 2002.
8. “The Uses of MicroData” in *Statistical Confidentiality and Access to Microdata*, United Nations Economic Commission for Europe, United Nations, Geneva, 2003.
9. “New Social and Economic Indicators for Local Areas Without Increasing Respondent Burden”, *Proceedings of International Statistical Institute*, 2005.
10. “e-Science Investments in the Social and Behavioral Sciences at the National Science Foundation: An Overview of Projects, Programs, and Policy Issues” with Lawrence Burton in *Proceedings of First International Conference on e-Social Science*, 2005.
11. “Developing Confidential Data Enclaves for Statistical Data” Norman Bradburn, Randy Horton and Mike Tilkin in *Proceedings of Second International Conference on e-Social Science*, 2006.
12. “Supermarket Human Resource Practices and Competition from Mass Merchandisers” with

- Horton and Luke. *Final Report Proceedings of Second International Conference on e-Social Science*, 2006.
12. "Supermarket Human Resource Practices and Competition from Mass Merchandisers" with Elizabeth Davis, Matthew Freedman, Brian McCall, Nicole Nestoriak, and Timothy Park, *American Journal of Agricultural Economics (proceedings)* Vol. 88 Issue 5 Page 1289 December 2006.
  13. "Establishment Wage Differentials" with Laurie Salmon and Jim Spletzer, *Monthly Labor Review*, April, 2007.
  14. "The Economics of Data Confidentiality" with John Abowd *International Comparison Program* newsletter, July 2007, World Bank.
  15. "Access to Research Data" essay in *World Wide Science Promises, Threats and Realities How e-Research Will Reconfigure Access to Information, Expertise and Tools in the Sciences and Humanities*, Oxford Internet Institute, Oxford, England, 2007.
  16. "Case Studies of e-Infrastructure Adoption" with Franz Barjak, Zack Kertcher Meik Poschen, Rob Procter and Simon Robinson, *Social Science Computer Review*, April, 2009.
  17. "e-Infrastructure adoption in the social sciences and humanities: cross-national evidence" with Franz Barjak, Zack Kertcher Meik Poschen, Rob Procter and Simon Robinson, *Information, Communication and Society*, 2009
  18. "A comment on Gerald W. Gates's How Uncertainty about Privacy and Confidentiality Is Hampering Efforts to More Effectively Use Administrative Records in Producing U.S., National Statistics" *Journal of Privacy and Confidentiality*, 2011
  19. "Big Data and Science Policy", *Research Trends*, 2012
  20. "Privacy, Confidentiality and Big Data", *Chance*, 2012.
  21. "Science Funding – Do We Know What We Get for Our Money?" Congressional Roll Call Quarterly. September 19, 2014. With Jason Owen Smith
  22. "UMETRICS as a tool for quantifying the value of research and assessing underrepresentation" with Bruce Weinberg, Rebecca Rosen, Jason Owen Smith and Barbara McFadden Allen, Association for Women in Science, Summer 2015
  23. [Enhancing and accelerating social science via automation: Challenges and opportunities](#) with Tal Yarkoni Dean Eckles James Heathers Margaret Levenstein Paul Smaldino SocArXiv papers, January 25 2019
  24. [A Vision for Democratizing Data](#), Issues in Science and Technology, October 2022

### WORKING PAPERS

Money for Something: The Links between Research Funding and Innovation (July 30, 2018). Glennon, Britta and Lane, Julia and Sodhi, Ridhima, Available at SSRN: <https://ssrn.com/abstract=3222799> or <http://dx.doi.org/10.2139/ssrn.3222799>  
 "The Effect of Fiscal Stimulus: Evidence from COVID-19" with Miguel Garza Casado, Britta Glennon, David McQuown, Daniel Rich, and Bruce A. Weinberg NBER working paper <https://www.nber.org/papers/w27576>

### SELECTED REPORTS

1. *Low-Income And Low-Skilled Workers' Involvement In Nonstandard Employment* Assistant Secretary for Planning and Evaluation, U.S. Department of Health and Human Services. <http://aspe.hhs.gov/hsp/temp- workers01/index.htm>.
2. "Successful Transitions out of Low-Wage Work for Temporary Assistance for Needy Families (TANF) Recipients: The Role of Employers, Coworkers, and Location, Final Report Assistant Secretary for Planning and Evaluation, U.S. Department of Health and Human Services <http://aspe.hhs.gov/hsp/low- wage-workers-transitions04/index.htm>.
3. "Employer Provided Health Insurance: What can be learned from the Form 5500" Final Report Assistant Secretary for Planning and Evaluation, U.S. Department of Health and Human Services <http://aspe.hhs.gov/hsp/05/admin-data-emp-ins/index.htm>.
4. "The Labor Market Trajectories of 20-24 year old Veterans" U.S. Department of Labor, Veterans Employment and Training Service, [http://www.dol.gov/vets/research/trajectories\\_rev.pdf](http://www.dol.gov/vets/research/trajectories_rev.pdf)
5. Accelerating Transition to Virtual Research Organization in Social Science (AVROSS). M4 Final Report. Olten: EHNW. With Barjak, F. Wiegand, G. Lane, J. Kortcher, Z. Poschen

5. Accelerating Transition to Virtual Research Organization in Social Science (AVROSS). M4 Final Report. Olten: FHNW. With Barjak, F., Wiegand, G., Lane, J., Kertcher, Z., Poschen, M., Procter, R., Robinson, S., Mentrup, A. (2007).  
(<http://web.fhnw.ch/plattformen/avross/papers-and-presentations/final-report>)
6. New measurement of innovation, with Jason Owen Smith, Bruce Weinberg and Joe Staudt, Center for Economic Studies Annual Report, 2018

## OTHER PROFESSIONAL WORK

### SELECTED GRANTS AND CONTRACTS

#### Academic

1. Patrick J. McGovern Foundation, Data as a Public Good, \$1 million, 2021-2022
2. Ascendium Educational Foundation “Building Educational Data Infrastructure” \$500,000, 2020-2021
3. Bill and Melinda Gates Foundation “ADRF Next Phase - Data Challenge, Expansion, and Sustainability” \$7,500,000 2021-2023
4. Overdeck Family Foundation “The Administrative Data Research Facility”, \$500,000 2020-2021
5. Schmidt Futures UI Claims in the COVID19 Era, \$150,000, 2020
6. Bill and Melinda Gates Foundation Connecting Education to the Workforce, \$4.4 million, 2019
7. U.S. Department of Agriculture Increasing Accessibility and Value of USDA Food Data Resources - \$735,000 additional for 2019-2023
8. National Science Foundation National Center for Science and Engineering Statistics Linking Administrative and Survey Data, 2019-2020, \$365,000
9. Health and Human Services, The Administrative Data Research Facility, 2019-202, 975,000
10. Overdeck Family Foundation “The Administrative Data Research Facility”, 2019-2020, \$500,000
11. National Science Foundation 1932689 “Research funding, organizational context, and transformative research: New insights from new methods and data” (Collaborative with Russell Funk, Raviv Murciano-Goroff and Matt Ross) \$ 418,204
12. National Science Foundation 1940967 “Workshop on Finding Datasets for Empirical Research in the Social Sciences” \$10,000
13. U.S. Department of Agriculture Increasing Accessibility and Value of USDA Food Data Resources - \$535,000 for 2018-2023
14. Office of Management and Budget Federal Data Strategy, \$200,000 2019
15. Schmidt Futures “Education and Workforce Transitions’ \$500,000, 2018
16. Schmidt Sciences “Rich Context: Integrated Data” with Bryan Granger, \$2.2 million, 2018
17. Deutsche Bundesbank “Rich Context: Integrated Data” \$250,000, 2018
18. Alfred P. Sloan Foundation “Making Computational Research with Sensitive Data Possible and Valuable” with Bryan Granger and Fernando Perez, 2018 \$1.600,000
19. National Science Foundation “New Insights into STEM Pathways: The Role of Peers, Networks, and Demand”, 2018, \$741,838 (part of \$2.5 million collaborative grant with Bruce Weinberg and Jason Owen Smith)
20. Overdeck Family Foundation “The Administrative Data Research Facility”, 2017-2018, \$580,000
21. Health and Human Services (subcontract from MDRC) 2017 “Promoting and

- \$580,000
21. Health and Human Services (subcontract from MDRC) 2017 “Promoting and Supporting Innovation in TANF Data” \$893,610; Additional \$2,758,351 2019.
  22. World Bank, “Data Science for Developing Countries”, 2018, \$180,000
  23. Bill and Melinda Gates Foundation “National Data Infrastructure”, \$185,000
  24. Institute National de Cancer 2017 “HELIOS” \$75,000
  25. Deutsche Bundesbank 2017 “Building Research Data Center Infrastructure” \$54,000
  26. Ewing Marion Kauffman Foundation, 2017 “Job Creation and Economic Development, \$450,000
  27. National Science Foundation “Science and Social Science in Graduate Education and Workforce Development” 2016, \$499,997 (with Frauke Kreuter and Rayid Ghani)
  28. Bill and Melinda Gates Foundation “Roadmapping Conference”, \$200,000
  29. Schmidt Philanthropies “Rich context for powerful search of data on human subjects” \$250,000
  30. Laura and John Arnold Foundation, 2016 “Data Analytics Lab”, \$1,244,000
  31. US Census Bureau, 2016, “Building a Prototype Data Center”, \$2,427,000
  32. Alfred P Sloan Foundation, 2015 “Developing the CUSP Data Use Facility”, \$300,000
  33. Ewing Marion Kauffman Foundation, 2015 “Innovation Measurement Initiative”, \$98,641
  34. Ewing Marion Kauffman Foundation, 2015 “Kauffman City Data Network” \$168,118
  35. US Census Bureau, 2015 Intergovernmental Personnel Act, \$365,000 2015-2016
  36. National Science Foundation: Collaborative Research: STEM Training, Employment in Industry, and Entrepreneurship, with Bruce Weinberg, Ron Jarmin, Josh Hawley and Jason Owen Smith, \$2,369,713
  37. U.S. Census Bureau, 2014-2015 Intergovernmental Personnel Act, \$166,751
  38. Institute for Research on Innovation and Science (IRIS), Alfred P. Sloan and Ewing Marion Kauffman Foundations, 2014, \$2.5 million with Jason Owen Smith (lead), Bruce Weinberg, James Evans and Ron Jarmin.
  39. Scaling Insight into Science: Assessing the value and effectiveness of machine assisted classification within a statistical system, NSF, 2014, \$600,000 with James Evans and Jordan Boyd-Graber
  40. Assessing the Outputs of Government-Funded University Research: The Case of Food Safety and Security, USDA, 2013, \$500,000, with Kaye Husbands Fealing
  41. STEM Workforce Training: A Quasi-Experimental Approach Using the Effects of Research Funding, 2013, National Science Foundation, \$1,500,000 (with Bruce Weinberg, Chris Morphew, Lee Giles and Vette Torvik)
  42. Building a Social Science Research Community around a new R&D Data Infrastructure, 2013, National Science Foundation, \$500,000 (with Jason Owen Smith and Maggie Levenstein)
  43. Examining research impact, 2013, Norwegian Research Council, \$200,000 (joint with Erling Barth)
  44. Scientific collaboration and productivity at the project level, 2013 2014, Sloan Foundation, \$795,000 (joint with Paula Stephan, Jacques Mairesse and Lee Fleming)
  45. Australian Science, Technology and Research Assessment (ASTRA) University of Melbourne/DIISTRE 2012-2013 \$233,000
  46. Strategic Impact Evaluation Fund, World Bank \$690,000
  47. Research R&D platform, Army Research Lab 2012-2013 \$250,000
  48. US Patent and Trademark Office, Patent Portfolio Visualization tools 2012-2013 \$480,000 (two projects); 2014-2019 \$3.8 million
  49. Health Investments Observatory (HELIOS), Observatoire des Science et des Techniques, 2012-2013 \$130,000
  50. Globalization and Economic Insecurity, January 2008-December 2009, Sloan Foundation, \$365,000
  51. Job Quality and Volatility, Worker Inequality, and Insecurity: Regional Effects, January 2008- December 2009 MacArthur Foundation, \$252,000; Ford Foundation \$150,000
  52. Outreach for the NORC Data Enclave, Kauffman Foundation, \$53,000
  53. Developing the Remote Access NORC Data Enclave, September 2006- September 2009



53. Developing the Remote Access NORC Data Enclave, September 2006- September 2009
- National Institute for Standards and Technology (Advanced Technology Program), \$950,000;
  - USDA \$161,000;
  - Kauffman Foundation \$250,000
54. A study on requirements and options for accelerating the transition from traditional research to virtual research organisations through e-infrastructures, European Commission, (with Franz Barjak, Simon Robinson and Rob Procter) November 2006- November 2007 €200,000
55. Firms, Workers and Workforce Quality: Implications for Earnings Inequality and Economic Growth, January 1 2003 – Dec 31, 2004, Sloan Foundation (with John Abowd and John Haltiwanger), \$1.4 million.
56. Confidentiality Research, May 1 2003 – December 31, 2003 National Science Foundation (with John Abowd and George Duncan), \$45,000
57. Workers and Firms in the Low-wage Labor Market: Interactions and Long Run Dynamics, Russell Sage Foundation, Rockefeller Foundation, and Department of Health and Human Services (ASPE) to the Urban Institute \$700,000, September 1, 2001 August 31, 2003. (with John Abowd, John Haltiwanger, and Harry Holzer)
58. The Demand for Older Workers: Using Linked Employer-Employee Data for Aging Research, National Institute on Aging, R01-AG18854-01, July 1, 2002 - November 30, 2004, \$1,753,637 (with John Haltiwanger, Andrew Hildreth, and John Abowd).
59. From Workshop Floor to Workforce Clusters: A New View of the Firm, Alfred P. Sloan Foundation, 99-12-12 to the Urban Institute, March 1, 2000 . March 31, 2002, \$314,604. (with John Abowd and John Haltiwanger)
60. Dynamic Employer-Household Data and the Social Data Infrastructure, National Science Foundation, SES-9978093 to Cornell University, September 28, 1999 . September 27, 2003, \$4,084,634. (with John Abowd and John Haltiwanger)
61. The Longitudinal Employer-Household Dynamics Project, National Institute on Aging, interagency funding to the United States Census Bureau, September, 1999 . August, 2001, \$490,000. (with John Abowd and John Haltiwanger)

#### Non-Academic

1. U.S. Department of Agriculture Economic Research Service, “Democratizing our Data”, \$250,000, 2022-2023
2. U.S. Department of Agriculture, National Agricultural Statistical Service, “The 5Ws of Data” \$100,000, 2022-2023
3. U.S. Department of Education and National Center for Science and Engineering Statistics “Democratization of Data Analysis”, \$1.13 million
4. National Science Foundation, National Center for Science and Engineering Statistics, 2022 “Foreign born Scientists and Engineers” \$1,000,000
5. National Science Foundation, National Center for Science and Engineering Statistics, “Integrate Data Analytics Training, Data Linkage Research and Secure Data Access to Promote Evidence-based Science Policy Research” \$2,047,000
6. Department of Health and Human Services (with MDRC) Transformative Data Initiative \$2.8 million 2019
7. Department of Health and Human Services (with MDRC) Transformative Data Initiative \$11 million 2018 (sub \$660,000)
8. Health Investments Observatory (HELIOS), Institut National du Cancer, \$75,000
9. Strategic Impact Evaluation Fund, World Bank (with Marjorie Chinen), \$750,000
10. Research R&D platform, Army Research Lab 2012-2013 \$250,000
11. US Patent and Trademark Office, Patent Portfolio Visualization tools 2012-2013 \$150,000
12. Health Investments Observatory (HELIOS), Observatoire des Science et des Techniques, 2013

12. Health Investments Observatory (HELIOS), Observatoire des Science et des Techniques, 2013
13. National Longitudinal Surveys of Youth, Bureau of Labor Statistics, \$65 million (coordinated proposal).
14. Quadrennial Review of Military Compensation, Department of Defense, \$400,000 (principal investigator).

### **OTHER GRANTS**

Rockefeller/Sage Foundation, 1997/9; World Bank Research Grant, 1996/7; 1998/9 Bureau of Labor Statistics 1997; Bureau of the Census 1997, 1999-2001; National Science Foundation 1997, 2003; European Union 1997; Sloan Foundation, 1997, 1999-2002, 2007; National Institute on Aging, 2001-2004; Health and Human Services (ASPE) 2000-2001, 2002, 2003, 2006; (ACF) 2006; Department of Labor (ETA) 2001, 2002, 2003 (VETS) 2006. New Zealand Department of Labor, 2001, 2002; Spencer Foundation, 2006

### **SELECTED CONFERENCES/WORKSHOPS ORGANISED**

International Symposium on Linked Employer/Employee Datasets, Washington DC 1998 Funded by Sloan Foundation/Census Bureau/BLS/European Union/National Science Foundation; International workshop on Confidentiality, Washington DC, May 1999; Census Bureau (LEHD)/state workshops 2000 - 2004; Eurostat/UNECE workshop in Skopje Macedonia, March 2001; New Zealand conference on Data Integration and Linked Employer-Employee Data, 2002, NSF confidentiality workshop, 2004; on Program Committee for Eurostat Conference Privacy in Statistical Databases (Barcelona), 2004 (Rome) 2006 (Ankara) 2008; NSF Social, Behavioral and Economics Sciences/Computer and Information Science and Engineering workshop on Cyberinfrastructure, 2005, Second and Third Annual International E-Social Science Conference (Manchester, UK 2006, Ann Arbor, MI 2007); HHS workshop on marriage and the family, 2006; Spencer Foundation workshop on education and social opportunity, 2006; Conference on Firms and Employees, (Nurnberg, Germany 2006); Comparative Analysis of Enterprise Data (Chicago) 2006; (Budapest) 2008, (Tokyo) 2009, Advancing the Study of Innovation and Globalization in Organizations (Nurnberg) 2009 SciSIP/SOSP: 2008 and 2010 SOSP Interagency conferences; 2011 Bellagio conference (Rockefeller Foundation funded); CIC workshop on research impact, Chicago, 2013; Empirical Foundations of Science and Innovation Policy, 2013, Paris; Research Monitoring workshop, 2014, Brussels; Science of Science Policy, 2014, Ann Arbor; APPAM workshop on big data and public policy, Miami, FL, 2015; Bloomberg Data for Good Exchange, New York, 2016, 2017, 2018; Gates Foundation Roadmapping Conference, Washington DC, 2017; Education and Workforce Transitions, Chicago IL 2018; Measuring Utility and Risk in Privacy, Stanford University, 2019; Rich Context workshop, Washington DC, 2019; MidWest Collaborative, Columbus OH, 2020; National Convening on [Jobs Data for Evidencebased Policy](#), Virtual, March 2021; [Value of Science](#), Virtual, June 2021; [Workforce and PostSecondary Education](#), Virtual, June 2021

### **SELECTED MAJOR KEYNOTE OR INVITED PLENARY SPEECHES**

Economics

- Research Conference Employment and Labour Markets, Oslo, Norway, 2001
- New Zealand Association of Economists, Wellington, New Zealand 2002
- European Union Conference on Low Wage Work, Sandbjerg Denmark, April 2006
- CEO's for Cities, Chicago, September 2007
- Comparative Analysis of Enterprise Data, Budapest, Hungary, May 2008
- Work, Pensions and Labour Economics Group (WPEG) annual conference, Sheffield, UK, July 2008
- Conference on Linked Employer-Employee Data, Budapest, Hungary, May 2009
- Inaugural Distinguished Lecture, RatsWD, Berlin Germany, September 2010.
- Australian Economic/Employment Statistics Conference, Canberra, Australia, July 2014

- Conference on Linked Employer-Employee Data, Budapest, Hungary, May 2009
- Inaugural Distinguished Lecture, RatsWD, Berlin Germany, September 2010.
- Australasian Economic/Econometric Society meetings, Tasmania, Australia, July 2014
- Qatar Research Foundation, Doha Qatar, 2016
- Government Economics Network, Wellington New Zealand, 2016
- Association of Public Opinion Researchers, Denver Colorado, 2018
- New Zealand Association of Economists, Auckland New Zealand 2018
- 8th ZEW/MaCCI Conference on the Economics of Innovation and Patenting, Mannheim, 2019

#### Statistics/Data Science

- Eurostat/UN confidentiality workshop in Skopje Macedonia 2001
- Conference of European Statisticians, Geneva, Switzerland, 2003
- Statistics Austria, Vienna, Austria, 2003
- Invited Overview Lecture, Joint Statistical Meetings, 2014
- Volkswagen Foundation, Herrenhausen Conference, Hannover, Germany, March 2015
- BigSurv18 Big Data and Survey Methods, Barcelona, Spain, October 2018
- International Conference on Sustainable Cities, New York, NY May 2018
- Open Data Science Conference West, San Francisco, 2018
- AWS: Reinvent, Las Vegas, 2018
- Scientific Literature Knowledge Bases, Amherst, May 2019
- Australian Social Policy Conference, Sydney, September 2019
- Simons Institute, UC Berkeley, May 2019
- Luxembourg Institute of Socio-Economic Research, 50th Anniversary, November 2019
- Data Quality as a Challenge: Research in the Age of the Digital Turn, Hannover Germany, February 2020
- AI/Data Science Conference, NYC March 2020
- Open Data Science Conference East 2020, April 2020 Boston
- World Data Forum, Bern Switzerland, October 2021
- Second Conference of the European Association for the Digital Humanities, Krasnoyarsk, Siberia, September 2021

#### Recent Science of Science Policy

- Federal Demonstration Partnership, 2009, 2010, 2011
- National Council of Research Administrators 2010
- European Forum On Research And Development Impact, 2009
- NIRPA, 2010
- European Parliament, 2010
- UNCTAD, 2011
- European Forum, Alpbach, Austria 2011
- Higher Education Policy Institute, Royal Society, UK, 2011
- Measuring Science Investments, Tokyo, 2012
- Measuring Science Investments, Canberra and Melbourne, 2012
- Research Excellence, EU Danish Presidency, Copenhagen 2012
- OECD, Global Science Forum 20<sup>th</sup> anniversary, Paris, 2012
- Science of Science and Innovation Policy Principal Investigator Conference, 2012
- New Zealand IceFest, Christchurch, 2012
- The Future of Research Impact, London School of Economics, 2012
- STOA, European Parliament, Strasbourg, 2013
- Science Metrics workshop, European Parliament, Brussels, 2013
- The Future of Impact, DESCRIBE project, London, 2013
- OECD Global Forum of the Knowledge Economy 2013 Istanbul
- SciELO - Scientific Electronic Library Online, 2013, Sao Paulo, Brazil
- Centre Cournot, 2014, Paris

- OECD Global Forum of the Knowledge Economy 2015 Istanbul
- SciELO - Scientific Electronic Library Online, 2013, Sao Paolo, Brazil
- Centre Cournot, 2014, Paris
- euroCRIS conference, 2014, Amsterdam
- Third IMF Statistical Forum, 2015, Frankfurt
- 7th Asia-Pacific Innovation Conference, 2016, in Fukuoka, Japan
- Government Economists Network, 2016, Wellington New Zealand
- HHS/OHRP Research Community Forum, 2017 New Jersey
- Federal Statistical Research Data Center conference, 2017, UCLA
- Society of Research Administrators International 50<sup>th</sup> annual meeting, 2017, in Vancouver, British Columbia

### **OTHER HONORS AND AWARDS**

- University of Missouri: Teaching Assistant Award, 1982.
- University of Louisville School of Business Best Researcher Award: 1985, 1987
- University of Louisville Young Researcher Award: 1988
- College of Arts and Sciences, American University, General Education Teacher of the Year 1996
- American University First Annual Faculty Member of the Year: 1996 (Student Confederation)
- National Science Foundation Director's Award for Program Management Excellence 2005.
- National Science Foundation Director's Superior Accomplishment Award, 2010
- National Institutes of Health, Central IT Merit Award for Operational Excellence, 2011
- Federal Executive Institute, Senior Executive Training, 2011
- Economic Journal, Winner of Referee Award, 2012

### **LEGISLATIVE TESTIMONY AND SELECTED MEDIA HIGHLIGHTS**

- [Study reveals impact of cutting bonus jobless benefits](#)
- [Here's how much a reduction in extra unemployment benefits could slash consumer spending](#)
- [Coronavirus stimulus: Loss of extra \\$600 unemployment benefits leads to 44% drop in spending](#)
  - [Europe bets R&D spending will bring jobs to battered economy](#) (SCIENCE, June 2020)
  - [Making Big Data Work for Society](#) (Radio New Zealand, June 2018)
  - [What can we learn from the Facebook - Cambridge Analytica scandal?](#) (Significance, May 2018)
  - [A Locally Based Initiative to Support People and Communities by Transformative Use of Data](#) (Gates Foundation, May 2018)
  - [The Social Sciences Need to Build New Foundations](#) (Significance, June 2017)
  - [Academic Return](#) (nature, May 2016)
  - [Science and math PhDs earn about \\$65,000 - more than double what arts majors do](#) (Vox, December 2015)
  - [Where new PhD grads find work – and who earns the most with their degree](#) (The Washington Post, December 2015)
  - [PhDs pay: study reveals economic benefit of funding doctorates](#) (Times Higher Education, December 2015)
  - [Biologists lose out in post-PhD earnings analysis](#) (nature, December 2015)
  - [Researchers wrestle with a privacy problem](#) (nature, September 2015)
  - [Quest to Put a Value on Medical Research Illustrates the Difficulties of Trying](#) (Chronicle of Higher Education, August 2015)
  - [Cracking the Case Studies](#) (Times Higher Education Supplement)
  - [A call to action on social science, big data and privacy](#) (Research Fortnight, November 2014)
  - [Using the Classroom to Bring Big Data to Statistical Agencies](#) (AmstatNews, November 2014)
  - [First Milestone Is Claimed on Long Road to Tracking Science's Economic Value](#) (The

- 2014)
- [First Milestone Is Claimed on Long Road to Tracking Science's Economic Value](#) (The Chronicle of Higher Education, April 2014)
- [What? Me Worry? What to Do About Privacy, Big Data, and Statistical Research](#) (AmstatNews, December 2013)
- [Pour un accès aux données sur la recherche française](#) (Le Monde, December 2013)
- [How to Make the Most of Science and Technology Investments in Developing Countries](#) (KFW, September 2013)
- [La gente cree que la I+D es una caja en la que pones dinero y, por arte de magia, genera riqueza](#) (sinc, January 2013)
- [Measuring Science: Forum](#) (Issues in Science and Technology, Winter 2013)
- [Is Science Good for the Economy?](#) (Radio New Zealand, October 2012)
- [Science Funding: Duel to the Death](#) (nature, August 2012)
- [What We Don't Know About Innovation](#) (Region Focus, First Quarter 2012)
- [Science Evaluation and Metrics – an interview with Julia Lane](#) (Research Trends, March 2012)
- [Follow the electronic footprints: how to track impact without asking scientists to lift a pen](#) (London School of Economics Blogs, November 2011)
- [Measuring Chemistry's Impact: NSF program strives to put a value on federally funded research](#) (c&en, June 2011)
- [Research intelligence - The bottom line on the research ripple effect](#) (Times Higher Education, May 2011)
- [Promoting Research and Development: The Government's Role](#) (Federal Reserve System, May 2011)
- [A Few Words about the Vladimir Chavrid Award](#) (Economic Principals, December 2010)
- [Measurement in Economics](#) (AmstatNews, January 2010)
- [The Committee on Science and Technology Subcommittee on Research and Science Education U.S. House of Representatives on The Science of Science and Innovation Policy](#) (National Science Foundation, September 2010)
- [Driving Innovation through Federal Investments](#) (U.S. Senate Committee on Appropriations)
- [EU looks to US model for measuring R&D impact](#) (Euractiv, November 2012)

European Parliament, April 14, 2010 <http://www.neurope.eu/article/science-and-policy-what-really-matters>

### VISITING POSITIONS

Victoria University, Wellington, New Zealand (1987, 1993, 1995); Bond University, Australia (1990, 1994); University of Technology, Sydney, 2000; SOFI, University of Stockholm, Sweden, 1996; IFAU, University of Uppsala, Sweden, 1998; ISUGA, Quimper, France, 2001; New Zealand Department of Labor, 2001, 2002, 2003 ; National Institute on Aging, 2003 – 2004; 1997-1999; Federal Siberian University, 2007; 2011-2012 Office of Science Policy Analysis, Office of the Director, National Institutes of Health (part-time detailee), 2012, Visiting Scholar, University of Melbourne, Australia, 2016 USIAS Fellow

### SELECTED PRESENTATIONS

Professional: American Economics Association meetings (1994; 1995; 1996; 1998; 1999;2000; 2001, 2003, 2004, 2005, 2007, 2009, 2012, 2013, 2015, 2017, 2020, 2022) American Statistical Association (almost every year since 1997 and invited overview lecture, 2014); AAPOR, 2018, American Sociological Association (2009, 2010); American Association for the Advancement of Science (2008, 2009, 2011, 2012, 2013, 2014); NBER (productivity group) 2000, 2001 (personnel economics) 2003, (summer institute) 2004; CRIW 2008; Academy of Management (2007, 2008) OECD, various presentations; International Association of Survey Statisticians, 1998; International Statistical Institute (invited) 2005; Universities and research institutes in Austria, Australia, France,

economics) 2005, (Summer Institute) 2004, CRIW 2008, Academy of Management (2007, 2008) OECD, various presentations; International Association of Survey Statisticians, 1998; International Statistical Institute (invited) 2005; Universities and research institutes in Austria, Australia, France, Germany, Italy, New Zealand, Sweden, Norway, Denmark, the Netherlands, and England, as well as the US. U.S. Government agencies, such as the Departments of Treasury, Labor, Commerce, and HHS. New Zealand Government agencies, such as Department of Labour, Ministry of Economic Development, and Statistics New Zealand.

World Bank: Government officials in Madagascar, Morocco, Tunisia, Malaysia, Mexico; European Union conference on training in Barcelona, Spain; several units in Washington.

Science of Science Policy: hundreds of national presentations to research institutions, academic and professional organizations, international institutions.

### **REFEREE**

*Science, Quarterly Journal of Economics, American Economic Review, Economics Letters, Labour Economics, Economic Development Quarterly, Southern Economic Journal, Oxford Economic Papers, Journal of Regional Science, Journal of Human Resources, Journal of Risk and Insurance, Journal of Economic Education, New Zealand Economic Papers, Applied Economics, Economic Development Quarterly, Journal of Labor Economics, Industrial and Labor Relations Review, Journal of Policy Analysis and Management, Economic Inquiry, Journal of Official Statistics, International Journal of Manpower, British Journal of Industrial Relations, Economic Journal, Communications of the ACM*

### **BOOK REVIEWER**

*Southern Economic Journal, Journal of Regional Science, OECD Employment Outlook, Labour Economics, Industrial and Labor Relations Review*

### **EDUCATION**

Ph.D. University of Missouri, Columbia, Major Area: Economics, Minor Area: German, 1982

M.A. University of Missouri, Columbia, Major: Statistics, Minor: Mathematics, 1982

B.A. Massey University, New Zealand, Economics and Japanese, 1977

### **PERSONAL**

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Citizenships: United States, United Kingdom, New Zealand

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