

# Diego Méndez-Carbajo

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## EDUCATION

- Ph.D. in Economics, Florida International University 2000
- M.A. in Economics, Florida International University 1998
- B.A. in Economics, Universidad Autónoma de Madrid, Spain 1994

## EXPERIENCE

### Federal Reserve Bank of St. Louis, MO.

- Senior Economic Education Specialist, Research Division 2019 – Present

### University of Delaware, Newark, DE.

- Faculty, Online Master's in Business Administration Program 2023 – Present
- Adjunct, Department of Economics, Lerner College of Bus. & Econ. (summer) 2022
- Visiting Scholar, Center for Economic Education and Entrepreneurship 2018– Present
- Visiting Scholar, M.A. in Economics and Entrepreneurship for Educators 2016 – 2017

### Texas A&M University – Corpus Christi, TX.

- Adjunct, Decision Sciences and Economics, College of Business 2024

### Illinois Wesleyan University, Bloomington, IL.

- Professor 2016 – 2019
- Associate Professor 2007 – 2016
- Assistant Professor 2001 – 2007
- Visiting Assistant Professor 2000

### Federal Reserve Bank of St. Louis, MO.

- Visiting Scholar and Independent Contractor, Research Division 2016 – 2019

### Macmillan Learning, New York City, NY.

- Independent Contractor, Subject Matter Expert 2018 – 2019

### McGraw-Hill Education, Burr Ridge, IL.

- Independent Contractor, Subject Matter Expert 2017, 2021

### Universidad Católica de Santo Domingo / Empírica, Dominican Republic.

- Visiting Associate Professor, M.A. Program in Applied Economics 2009, 2012

### Central Bank of the Dominican Republic.

- Visiting Scholar, Economic Research Unit (spring) 2006
- Visiting Scholar, Economic Research Unit (summer) 2004

Florida Atlantic University, Boca Raton, FL.

- Instructor, Department of Economics 2000

Florida International University, Miami, FL.

- Instructor, Department of Economics 1998 – 2000

### **OTHER PROFESSIONAL ACTIVITIES AND HONORS**

- Editor in Chief, *The American Economist*. 2024 – Present
- Associate Editor, *The American Economist*. 2018 – 2023
- Member, Editorial Board, *Advances in Economics Education*. 2022 – Present
- Member, Board, National Numeracy Network. 2022 – Present
- Chair, Research Committee, National Assoc. of Economic Educators. 2018 – 2023
- Credly's Credentialing Education Program 2022
- Research with Native American Communities Certification, Collaborative Institutional Training Initiative (CITI) 2022 – 2023
- Gold Curriculum Award, National Association of Economic Educators 2022
- Nominee for President's Award for System Leadership, Federal Reserve Bank of St. Louis 2020, '21, '22
- Bronze Curriculum Award, National Association of Economic Educators 2021
- Advanced Online Teaching Certification, Online Learning Consortium 2020
- Abbejean Kehler Technology Award, National Association of Economic Educators 2017
- Student Nominations for Professor of the Year Award, Illinois Wesleyan University 2013, 2014
- Phi Kappa Phi Honor Society, Illinois Wesleyan University Chapter 2012

### **RESEARCH INTERESTS**

Applied Economics, Teaching and Learning, Open Macroeconomics.

### **JOURNAL ARTICLES AND BOOK CHAPTERS ON TEACHING AND LEARNING**

- 2024 “A National Survey on Teaching Methods in Advanced Placement (AP) Economics Courses” (with Carlos Asarta, Stephen Buckles, and Cynthia Harter). *The American Economist*, 69:2, October 2024, 206-213  
<https://doi.org/10.1177/05694345241285254>
- 2023 “Choice of Data Visualization Tool: FRED or Spreadsheets?” (with Alejandro Dellachiesa). *International Review of Economics Education* 44, November 2023, 100275. <https://doi.org/10.1016/j.iree.2023.100275>
- 2023 “Teaching Economics Using Primary Sources,” (with Stephen Day, Genevieve Podleski, and Scott Wolla). In *The Educator's Handbook for Teaching With Primary Sources* (pp. 175-189), Scott Waring (ed.). Teachers College Press. New York City, NY. October 2023.  
<https://www.tcpress.com/the-educator-s-handbook-for-teaching-with-primary-sources-9780807769089>

- 2023 “Diving into the Gap: Recognizing Gender Differences in an Online Learning Activity,” (with Cynthia Harter). *Eastern Economic Journal*, 50: 1, September 2023, 79-102. <https://doi.org/10.1057/s41302-023-00258-x>
- 2023 “Data Citations and Reproducibility in the Undergraduate Curriculum,” (with Alejandro Dellachiesa) *Harvard Data Science Review* 5:3, July 2023. <https://doi.org/10.1162/99608f92.c2835391>
- 2023 “The Effectiveness of Logical Distractors in an Online Module,” *Eastern Economic Journal* 49:1, January 2023, 15-30. <https://doi.org/10.1057/s41302-022-00232-z>
- 2022 “Interest Rates and Costs of Lending and Borrowing: Teaching and Learning with FRED Data.” *Teaching Resources for Economics at Community Colleges* 5:2, September 2022. [https://d32ogoqmya1dw8.cloudfront.net/files/econ/2yc/trecc\\_sept\\_2022.pdf](https://d32ogoqmya1dw8.cloudfront.net/files/econ/2yc/trecc_sept_2022.pdf)
- 2022 “Using FRED Data to Address Diversity and Inclusion in the Classroom,” *The American Economist*, 67:2, April 2022, 1-14. <https://doi.org/10.1177/05694345221084893>
- 2022 “Twenty Years of Business and Economic Education Research: Ranking Analysis of the Journals,” (with Franklin Mixon). *Journal of Teaching in International Business*, 33:1, May 2022, 80-99. <https://doi.org/10.1080/08975930.2022.2079042>
- 2021 “The Recovery from the COVID-19 Pandemic: Teaching and Learning with FRED Data.” *Teaching Resources for Economics at Community Colleges* 4:2, September 2021. [https://d32ogoqmya1dw8.cloudfront.net/files/econ/2yc/trecc\\_sept2020\\_1.pdf](https://d32ogoqmya1dw8.cloudfront.net/files/econ/2yc/trecc_sept2020_1.pdf)
- 2021 “Obstacles as Building Blocks: Font Disfluency and Performance on Economics Exams,” (with Franklin Mixon). *International Journal of Applied Behavioral Economics*, 10: 4, September 2021, 1-11. <https://doi.org/10.4018/IJABE.2021100101>
- 2021 “Baseline Competency and Student Self-efficacy in Data Literacy: Evidence from an Online Module.” *Journal of Business & Finance Librarianship*, 25: 3-4, January 2021, 230-243. <http://dx.doi.org/10.1080/08963568.2020.1847551>
- 2021 “Federal Reserve Economic Data: A History,” (with Genevieve Podleski). *The American Economist*, 66:1, March 2021, 61-73. <https://doi.org/10.1177/0569434520973989>
- 2021 “Bringing Down the Walls in Business and Management Education: A Textual Analysis of Economic Education Articles,” (with Carlos Asarta). *Journal of Education for Business* 96:1, February 2020, 10-21. <https://doi.org/10.1080/08832323.2020.1726268>
- 2020 “The Impact of the COVID-19 Pandemic: Teaching and Learning with FRED Data.” *Teaching Resources for Economics at Community Colleges* 3:2, September 2020. [https://d32ogoqmya1dw8.cloudfront.net/files/econ/2yc/trecc\\_sept2020\\_1.pdf](https://d32ogoqmya1dw8.cloudfront.net/files/econ/2yc/trecc_sept2020_1.pdf)
- 2020 “The Ultimatum Game in *The Dirty Dozen*.” In *War Movies and Economics: Lessons from Hollywood's Adaptations of Military Conflict*

- (pp. 36-42), Laura Ahlstrom and Franklin Mixon (editors). New York; NY: Routledge Economics and Popular Culture Series.  
<https://doi.org/10.4324/9780429296628-4>
- 2020 “Active Learning with FRED Data.” *Journal of Economic Education* 51:1, February 2020, 87-94. <https://doi.org/10.1080/00220485.2019.1687377>
- 2020 “Flipping the Classroom with Econlowdown.org,” (with Lucy Malakar). *Journal of Economic Education* 51:1, February 2020, 95-102.  
<https://doi.org/10.1080/00220485.2019.1687376>
- 2019 “Experiential and Service Learning through Local Data Projects,” (with Stephanie Davis-Kahl). *Scholarship and Practice of Undergraduate Research* 2: 4, 23-29. <https://doi.org/10.18833/spur/2/48>
- 2019 “Keeping It Real: Information Literacy, Numeracy, and Economic Data,” (with Charissa Jefferson and Katrina Stierholz). *Numeracy* 12:2, 1-16.  
<https://doi.org/10.5038/1936-4660.12.2.5>
- 2019 “Keeping It Real: Teach ACRL Information Literacy Frames with FRED Data,” (with Charissa Jefferson and Katrina Stierholz). *Scholarship and Practice of Undergraduate Research* 2:4, July 2019, 43.  
<https://doi.org/10.18833/spur/2/4/3>
- 2019 “Segmenting Education Content: Long-form vs. Short-form Online Learning Modules,” (with Scott Wolla). *American Journal of Distance Education* 33:2, April 2019, 108-119.  
<https://doi.org/10.1080/08923647.2019.1583514>
- 2019 “One Small Spoonful at a Time: Long-form vs. Short-form Financial Education Online Learning Modules,” (with Scott Wolla). *Empirical Pedagogy* 32:4, January 2019, 401-415.
- 2019 “Experiential Learning in Macroeconomics through FREDcast,” *International Review of Economics Education* 30:1, 100137, January 2019. <https://doi.org/10.1016/j.iree.2018.05.004>
- 2018 “Can Economic Education Improve Entry-Level Math Skills?” (with Franklin Mixon and Carlos Asarta). *Perspectives on Economic Education Research* 11:1, November 2018, 19-40.  
<http://cobhomepages.cob.isu.edu/peer/links/volumes/11.1/Carbajo.pdf>
- 2018 “Active Learning with Data.” *Teaching Resources for Economics at Community Colleges* 2:2, September 2018, 2.  
[https://d32ogoqmya1dw8.cloudfront.net/files/econ/2yc/newsletter\\_sept\\_2018.pdf](https://d32ogoqmya1dw8.cloudfront.net/files/econ/2yc/newsletter_sept_2018.pdf)
- 2018 “FREDcast: Economic Forecasting Game,” (with Mary Suiter). *Journal of Economic Education* 49:3, July 2018, 296.  
<https://doi.org/10.1080/00220485.2018.1464988>
- 2017 “Building a Taylor Rule Using FRED,” (with Keith Taylor and Mark Bayles). *Journal of Economics Teaching* 2:1, June 2017, 14-29.  
<http://downloads.journalofeconomicsteaching.org/2/1/1-2.pdf>
- 2017 “Using FRED Data to Teach Price Elasticity of Demand,” (with Carlos Asarta). *Journal of Economic Education* 48:3, May 2017, 176-185.  
<http://dx.doi.org/10.1080/00220485.2017.1320607>

- 2016 “Quantitative Reasoning and Information Literacy in Economics.” In *Information Literacy: Research and Collaboration across Disciplines* (pp. 305-322), Barbara D’Angelo, Sandra Jamieson, Barry Maid, and Janice R. Walker (editors). Perspectives on Writing. Fort Collins, Colorado: WAC Clearinghouse and University of Colorado Press. <https://doi.org/10.37514/PER-B.2016.0834.2.15>
- 2015 “Data Visualization and the Online FRED Database.” *Journal of Economic Education* 46:4, September 2015, 420-429. <https://doi.org/10.1080/00220485.2015.1071222>
- 2013 “Quantitative Analysis of City-Wide Trends.” *Chalk: Teaching and Faculty Development* 2:3, Spring 2013, 19-21. <https://www.wittenberguniversity.edu/docs/chalkspring2013mallaisuefinal>

### **JOURNAL ARTICLES AND BOOK CHAPTERS ON APPLIED ECONOMICS**

- 2011 “Economic Growth, Government Expenditure and Income: The Case of Museums and Libraries in England” (with Javier Stanziola.) *Cultural Trends* 20:3-4, December 2011, 243-56. <https://doi.org/10.1080/09548963.2011.589704>
- 2011 “Energy Dependence, Oil Prices and Exchange Rates: the Dominican Economy Since 1990.” *Empirical Economics* 40:2, April 2011, 509-20. <https://doi.org/10.1007/s00181-010-0340-4>
- 2008 “Inflation Dynamics and the Cross-Sectional Distribution of Prices in the E.U. Periphery,” (with Dimitrios Thomakos and Constantina Kottaridi.) In Takashi Kamihigashi and Laixun Zhao (eds.) *International Trade and Economic Dynamics --Essays in Memory of Koji Shimomura*, September 2008, 443-69. [https://doi.org/10.1007/978-3-540-78676-4\\_30](https://doi.org/10.1007/978-3-540-78676-4_30)
- 2008 “Patterns of Inequality in Private Funding of Culture Across the UK” (with Javier Stanziola.) *Cultural Trends* 17:3, September 2008, 1-15. <https://doi.org/10.1080/09548960802362009>
- 2004 “Relative-Price Changes and Inflation: Evidence from Spain,” (with Dimitrios Thomakos.) *Banco Central de la República Dominicana, Documento de Trabajo* 2004/11.
- 2004 “Economic (Dis)integration in the Presence of Evolutionary Learning,” (with Ali C. Karayalcin and Devashish Mitra.) *Journal of Evolutionary Economics* 14:4, October 2004, 463-81. <https://doi.org/10.1007/s00191-004-0219-7>
- 2004 “Economic (Dis)integration in the Presence of Evolutionary Learning,” (with Ali C. Karayalcin and Devashish Mitra.) *Banco Central de la República Dominicana, Documento de Trabajo* 2004/07.
- 2004 “Goizueta, Roberto” and “Holtz, Abel.” In *Historical Encyclopedia of Cuba*, edited by Manuel Moreno Fraginals and Teresita Pedraza-Moreno. ABC-CLIO, Santa Barbara, CA, February 2004.
- 2003 “Economic Integration, Market Discipline and Productivity Growth in Spain,” (with Dimitrios Thomakos.) *Journal of International Trade and Economic Development* 12:4, December 2003, 359-75. <https://doi.org/10.1080/0963819032000154801>

- 1998 “El Comercio Exterior del Magreb,” (with A. V. Lorca) In *Las Economías del Magreb: Opciones para el Siglo XXI*, Pirámide Economía XXI, Madrid, Spain, 1998, pp. 85-112.
- 1998 “La Fragmentación del Mundo Arabe,” (with A. V. Lorca) In *Las Economías del Magreb: Opciones para el Siglo XXI*, Pirámide Economía XXI, Madrid, Spain, 1998, pp. 193-217.
- 1997 “El Magreb Como Frontera Sur de la Unión Europea,” (with A. V. Lorca) In *The European Union At The Dawn of a New Century*, Euroius, Madrid, 1997, pp. 535-549.
- 1997 “Análisis de la Balanza Comercial del Norte de Africa,” (with A. V. Lorca,) *Centro Internacional Carlos V, Documento de Trabajo n. 39*, Universidad Autónoma de Madrid, Madrid, Spain, 1997.

## EDUCATIONAL PUBLICATIONS

- 2021- Present FRED Blog Reading Questions & Answers (57): In *econlowdown.org*, Federal Reserve Bank of St. Louis, MO.
- 2019- Present FRED Blog posts (+130): Federal Reserve Bank of St. Louis, MO. <https://fredblog.stlouisfed.org/>
- 2024 “Page One – Data Primer: Data Releases with FRED.” Federal Reserve Bank of St. Louis, MO. TBA
- 2024 “Page One – Data Primer: Data Seasonality with FRED.” Federal Reserve Bank of St. Louis, MO. TBA
- 2023 “Page One – Data Primer: Data Geographies with FRED.” Federal Reserve Bank of St. Louis, MO. June 2023. <https://research.stlouisfed.org/publications/page1-econ/2023/06/01/data-geographies-with-fred>
- 2023 “Page One: Adjusting for Inflation.” Federal Reserve Bank of St. Louis, MO. January 2023. <https://research.stlouisfed.org/publications/page1-econ/2023/01/03/adjusting-for-inflation>
- 2022 “Page One: Income and Wealth Inequality.” Federal Reserve Bank of St. Louis, MO. January 2022. <https://research.stlouisfed.org/publications/page1-econ/2022/09/01/income-and-wealth-inequality>
- 2022 “Page One – Data Primer: Data Revisions with FRED.” Federal Reserve Bank of St. Louis, MO. August 2022. <https://research.stlouisfed.org/publications/page1-econ/2022/08/01/data-revisions-with-fred>
- 2022 “FRED Interactive: The COVID-19 Recession.” In *econlowdown.org*, Federal Reserve Bank of St. Louis, MO. February 2022.
- 2022 “FRED Interactive: Interpreting Units.” In *econlowdown.org*, Federal Reserve Bank of St. Louis, MO. February 2022.
- 2022 “Page One: Gender and Labor Markets.” Federal Reserve Bank of St. Louis, MO. January 2022. <https://research.stlouisfed.org/publications/page1-econ/2022/01/03/gender-and-labor-markets>
- 2021 “FRED Interactive: Adjusting for Inflation.” In *econlowdown.org*, Federal Reserve Bank of St. Louis, MO. October 2021.

- 2021 “FRED Interactive: Seasonality.” In *econlowdown.org*, Federal Reserve Bank of St. Louis, MO. October 2021.
- 2021 “Page One – Data Primer: Ethical Use of Data with FRED.” Federal Reserve Bank of St. Louis, MO. October 2020. <https://research.stlouisfed.org/publications/page1-econ/2021/10/15/ethical-use-of-data-with-fred>
- 2021 “Lesson Plan: Neighborhood Redlining and Homeownership.” Federal Reserve Bank of St. Louis, MO. September 2021. <https://www.stlouisfed.org/education/neighborhood-redlining-and-homeownership>
- 2021 “Page One: Neighborhood Redlining, Racial Segregation, and Homeownership.” Federal Reserve Bank of St. Louis, MO. September 2021. <https://research.stlouisfed.org/publications/page1-econ/2021/09/01/neighborhood-redlining-racial-segregation-and-homeownership>
- 2021 “FRED Interactive: Data Citations.” In *econlowdown.org*, Federal Reserve Bank of St. Louis, MO. May 2021.
- 2021 “Page One: Consumer Spending and the COVID-19 Pandemic.” Federal Reserve Bank of St. Louis, MO. January 2021. <https://research.stlouisfed.org/publications/page1-econ/2021/01/04/consumer-spending-and-the-covid-19-pandemic>
- 2020 “Economic Synopses: Renewable sources of electricity: Where excess capacity is built-in.” Federal Reserve Bank of St. Louis, MO. October 2020. <https://doi.org/10.20955/es.2020.42>
- 2020 “Page One – Data Primer: Data Citations with FRED.” Federal Reserve Bank of St. Louis, MO. October 2020. <https://www.stlouisfed.org/education/page-one-economics-classroom-edition/data-citations-with-fred>
- 2020 “Lesson Plan: The Composition Effect.” Federal Reserve Bank of St. Louis, MO. October 2020. <https://www.stlouisfed.org/education/the-composition-effect>
- 2020 “Page One – Data Primer: Measuring Financial and Economic Risk with FRED.” Federal Reserve Bank of St. Louis, MO. September 2020. <https://www.stlouisfed.org/education/page-one-economics-classroom-edition/measuring-financial-and-economic-risk>
- 2020 “FRED Interactive: Data Citations.” In *econlowdown.org*, Federal Reserve Bank of St. Louis, MO. October 2020.
- 2020 “Economic Synopses: How Recessions Have Affected Household Net Worth, 1990-2017: Uneven Experiences by Wealth Quantile.” Federal Reserve Bank of St. Louis, MO. August 2020. <https://doi.org/10.20955/es.2020.38>
- 2020 “Page One: Temporary Open Market Operations and Large-Scale Asset Purchases.” Federal Reserve Bank of St. Louis, MO. July 2020. <https://research.stlouisfed.org/publications/page1-econ/2020/07/01/temporary-open-market-operations-and-large-scale-asset-purchases>
- 2020 “FRED Interactive: FREDcasting Real GDP.” In *econlowdown.org*, Federal Reserve Bank of St. Louis, MO. May 2020.
- 2020 “FRED Interactive: FREDcasting Unemployment Rate.” In *econlowdown.org*, Federal Reserve Bank of St. Louis, MO. May 2020.

- 2020 “FRED Interactive: FREDcasting Payroll Employment.” In *econlowdown.org*, Federal Reserve Bank of St. Louis, MO. May 2020.
- 2020 “FRED Interactive: FREDcasting Consumer Price Index.” In *econlowdown.org*, Federal Reserve Bank of St. Louis, MO. May 2020.
- 2020 “FRED Interactive: Index Numbers.” In *econlowdown.org*, Federal Reserve Bank of St. Louis, MO. March 2020.
- 2020 “FRED Interactive: Doing Basic Math.” In *econlowdown.org*, Federal Reserve Bank of St. Louis, MO. March 2020.
- 2020 “FRED Interactive: Mind the Units.” In *econlowdown.org*, Federal Reserve Bank of St. Louis, MO. March 2020.
- 2019 “Page One: Should We Fear the Inverted Yield Curve?” Federal Reserve Bank of St. Louis, MO. November 2019. <https://research.stlouisfed.org/publications/page1-econ/2019/11/29/should-we-fear-the-inverted-yield-curve>
- 2019 “FRED Interactive: The Great Recession.” In *econlowdown.org*, Federal Reserve Bank of St. Louis, MO. February 2019.
- 2019 “FRED Interactive: Real GDP per capita.” In *econlowdown.org*, Federal Reserve Bank of St. Louis, MO. February 2019.
- 2019 “FRED Interactive: 7 Activities in 7 Minutes.” In *econlowdown.org*, Federal Reserve Bank of St. Louis, MO. February 2019.
- 2018 “Demonstrating the Distribution of Innovation and Entrepreneurship Using Patent Data and a Mapping Tool: GeoFRED Marks the Spot,” (with Charissa Jefferson and Katrina Stierholz), Federal Reserve Bank of St. Louis, MO. October 2018. <https://www.stlouisfed.org/education/distribution-of-innovation>
- 2018 “Keeping it Real: Teach ACRL Information Literacy Frames with FRED Data,” (with Charissa Jefferson and Katrina Stierholz), Federal Reserve Bank of St. Louis, MO. February 2018. <https://www.stlouisfed.org/education/keeping-it-real>
- 2018 “Connect Master: Economics by Asarta/Butters – Instructors’ Manual.” (edited by David Switzer). McGraw Hill Education, Burr Ridge, IL. March 2018.
- 2017 “FRED Interactive: Information Literacy.” In *econlowdown.org*, Federal Reserve Bank of St. Louis, MO. October 2017.
- 2016 “FRED Interactive: Nominal and Real Wages.” In *econlowdown.org*, Federal Reserve Bank of St. Louis, MO. December 2016.
- 2016 “FRED Interactive: Comparative Advantage.” In *econlowdown.org*, Federal Reserve Bank of St. Louis, MO. December 2016.
- 2015 “Connect Master: Economics by Asarta/Butters – Instructors’ Manual.” (edited by David Switzer). McGraw Hill Education, Burr Ridge, IL. August 2015.
- 2015 “Taylor Rule.” In *Pedagogy in Action*, the Science Education Resource Center (SERC) Portal for Educators at Carleton College. January 2015. <http://serc.carleton.edu/sp/library/FRED/examples/97477.html>
- 2014 “Corporate Risk Premium.” In *Pedagogy in Action*, the Science Education Resource Center (SERC) Portal for Educators at Carleton College. June 2014. <http://serc.carleton.edu/sp/library/FRED/examples/84601.html>



- 2014 “Inflation Expectations.” In *Pedagogy in Action*, the Science Education Resource Center (SERC) Portal for Educators at Carleton College. June 2014.  
<http://serc.carleton.edu/sp/library/FRED/examples/84598.html>
- 2014 “Sovereign Debt Risk Premium.” In *Pedagogy in Action*, the Science Education Resource Center (SERC) Portal for Educators at Carleton College. June 2014.  
<http://serc.carleton.edu/sp/library/FRED/examples/84595.html>
- 2014 “The Interest Rate Swap Spread.” In *Pedagogy in Action*, the Science Education Resource Center (SERC) Portal for Educators at Carleton College. June 2014.  
<http://serc.carleton.edu/sp/library/FRED/examples/84592.html>
- 2014 “Nominal and Real Interest Rates.” In *Pedagogy in Action*, the Science Education Resource Center (SERC) Portal for Educators at Carleton College. June 2014.  
<http://serc.carleton.edu/sp/library/FRED/examples/84589.html>
- 2013 “Purchasing Power Parity.” In *Pedagogy in Action*, the Science Education Resource Center (SERC) Portal for Educators at Carleton College. August 2013.  
<http://serc.carleton.edu/sp/library/FRED/examples/73505.html>
- 2006 “Macroeconomics by Paul Krugman and Robin Wells – Testbank” (edited by Rosemary Cunningham). Worth, New York, NY. January 2006.
- 2005 “Macroeconomics: Principles and Tools by Arthur O’Sullivan and Steven Sheffrin 4/e – Testbank.” Prentice Hall, Upper Saddle River, NJ. March 2005.
- 2001 “Foundations of Macroeconomics by Robin Bade and Michael Parkin - Testbank” (edited by Nora Underwood and Mark Rush.) Addison Wesley Longman, Reading, MA. July 2001.
- 2000 “Economics Today 2<sup>nd</sup> Ed. by Roger L. Miller – Online Testbank” (co-editor). Addison Wesley Longman, Reading, MA. July 2000.

## REFEREE

*Southern Journal of Economics; The Internet and Higher Education; Journal of Economic Education; International Review of Economic Education; Numeracy; The American Economist; Perspectives on Economic Education Research; Empirical Pedagogy; Education and Information Technologies; SAGE Open; Journal of Experiential Education; Electronic Commerce Research; Applied Economics Series; Empirical Economics; Theory and Decision; Housing Policy Debate; Journal of Arts Management, Law and Society; Economics & Politics; International Regional Science Review; Journal of Financial Economic Policy*

## OUTREACH TO MEDIA AND PROFESSIONAL ORGANIZATIONS

- 2024 Axios, February.  
 Wall Street Journal Marketwatch, February.  
 U.S. Senate Banking Committee, February.  
 University of Chicago, Becker-Friedman Institute, June.  
 National Conference of State Legislators, October.  
 Federal Reserve Bank of St. Chicago, October.
- 2023 The Washington Post, February.  
 National Public Radio Marketplace, February.

- U.S. Congressional Aids and Research Service, February.
- Bureau of Economic Analysis, February.
- Northeast Economic Data Science Librarians, April.
- Colorado Department of Labor and Employment, May.
- Carnegie Mellon University, Delphi Group, June.
- Federal Reserve Bank of St. Chicago, July.
- National Conference of State Legislators, September.
- Wall Street Journal, October.
- Politico, October.
- U.S. Congressional Aids and Research Service, October.
- U.S. Joint Economic Committee, October.
- U.S. Government Accountability Office, October.
- 2022 University of Missouri, School of Journalism, February.
- Virigina Association of Economists, April.
- Federal Reserve Bank of Chicago, May.
- Association of College and Research Libraries, June.
- National Association of Hispanic Journalists, September.
- Special Libraries Association, October.
- Federal Reserve System, Economic Educators, November.

#### **PEER-REVIEWED AND INVITED WORKSHOPS**

- 2023 “FRED Data Practitioner Micro-Credential,” AUBER 2024 conference, Boise, ID. October 2024.
- 2024 “Storytelling with FRED,” 2024 Annual Conference and Exposition, National Association of Hispanic Journalists (NAHJ), Los Angeles, CA. July 2024.
- 2024 “Bring FRED into the Classroom,” 99<sup>th</sup> Annual Conference, Western Economic Association International (WEAI), Seattle, WA. July 2024.
- 2024 “FRED Data Practitioner Micro-Credential,” 2024 C2ER Annual Conference and LMI Institute Forum, Norfolk, VA. June 2024.
- 2024 “Teaching and Learning with FRED,” 13<sup>th</sup> American Economic Association (CTREE) Pre-Conference and Conference on Teaching and Research in Economic Education, Atlanta, GA. May 2024.
- 2023 “Discoveries with Data: Bringing Data Tools to Social Studies Classrooms,” 103<sup>rd</sup> Annual Conference National Council for Social Studies (NCSS), Nashville, TN. December 2023.
- 2023 “Data Literacy for Librarians Micro-Credential,” 2023 Beyond the Numbers Conference, Federal Reserve Bank of St. Louis, St. Louis, MO. November 2023.
- 2023 “FRED Data Practitioner Micro-Credential,” AUBER 2023 conference, San Antonio, TX. October 2023.
- 2023 “Storytelling with FRED Graphs: CES Data at Your Fingertips,” Consumer Expenditure Survey, Annual Workshop (online). July 2023.
- 2023 “Bring FRED into the Classroom,” 98<sup>th</sup> Annual Conference, Western Economic Association International (WEAI), San Diego, CA. July 2023.
- 2023 “FRED Data Practitioner Micro-Credential,” 2023 C2ER Annual Conference and LMI Institute Forum, Detroit, MI. June 2023.

- 2023 “Teaching and Learning with FRED,” 12<sup>th</sup> American Economic Association (CTREE) Pre-Conference and Conference on Teaching and Research in Economic Education, Portland, OR. May and June 2023.
- 2023 “FRED: Active Learning with Data in the Hybrid Classroom,” 2023 Annual Meeting Midwest Economic Association (MEA), Cleveland, OH. April 2023.
- 2022 “FRED for Business Journalists,” Federal Reserve Bank of St. Louis, MO. October 2022.
- 2022 “Storytelling with FRED Data: A Mini Workshop,” AUBER Fall 2022 conference, Pensacola, FL. October 2022.
- 2022 “Active Learning with Data in the Classroom,” 59<sup>th</sup> Annual Meeting Missouri Valley Economic Association (MVEA), St Louis, MO. October 2022.
- 2022 “Level Up Your Economic Reporting with FRED,” National Association of Hispanic Journalists, (online). September 2022.
- 2022 “Storytelling with FRED Data,” 2022 C2ER Annual Conference and LMI Institute Forum, (online). June 2022.
- 2022 “FRED: Active Learning with Data in the Hybrid Classroom,” 11<sup>th</sup> American Economic Association (CTREE) Pre-Conference and Conference on Teaching and Research in Economic Education, Chicago, IL. June 2022.
- 2022 “Storytelling with FRED Data: A Mini Workshop,” AUBER Spring 2022 conference, Boulder, CO. February 2022.
- 2021 “FRED: Active Learning with Data,” 91<sup>st</sup> Annual Meeting Southern Economic Association (SEA), (online). November 2021.
- 2021 “Using FRED® Data to Address Diversity and Inclusion,” 17<sup>th</sup> Annual Economics Teaching Conference (Cengage), (online). October 2021.
- 2021 “Using FRED® Data to Address Diversity and Inclusion,” University of Connecticut Early College Experience (ECE) Program, (online). October 2021.
- 2021 “Active Learning with Data in an Online Classroom,” 58<sup>th</sup> Annual Meeting Missouri Valley Economic Association (MVEA), (online). October 2021.
- 2021 “Active Learning with FRED: An Eyes-on Workshop,” 95<sup>th</sup> Annual Conference, Western Economic Association International (WEAI), (online). June 2021.
- 2021 “Teaching with FRED,” M.A. in Economics and Entrepreneurship for Educators (MAEEE), (online) University of Delaware Newark, DE. June 2021.
- 2021 “Teaching Reproducible Research in the Classroom,” 10<sup>th</sup> American Economic Association (CTREE) Pre-Conference and Conference on Teaching and Research in Economic Education, (online). May-June 2021.
- 2021 “FRED: Active Learning with Data and Remote Learning,” 10<sup>th</sup> American Economic Association (CTREE) Pre-Conference and Conference on Teaching and Research in Economic Education, (online). May-June 2021.
- 2020 “Active Learning with GeoFRED Data,” 100<sup>th</sup> Annual Conference National Council for Social Studies (NCSS), (online). December 2020.
- 2020 “FRED: Active Learning with Data,” 90<sup>th</sup> Annual Meeting Southern Economic Association (SEA), (online). November 2020.

- 2020 “Teaching with FRED Data,” A+ Education Partnership and Federal Reserve Bank of Atlanta, (online). November 2020.
- 2020 “Teaching Unemployment with FRED Data,” University of Delaware Center for Economic Education, (online). October 2020.
- 2020 “FRED Interactives,” University of Connecticut Early College Experience (ECE) Program, (online). October 2020.
- 2020 “FRED: Active Learning with Data & Remote Learning,” 16<sup>th</sup> Annual Economics Teaching Conference (Cengage), (online). October 2020.
- 2020 “Active Learning with Data in an Online Classroom,” 57<sup>th</sup> Annual Meeting Missouri Valley Economic Association (MVEA), (online). October 2020.
- 2020 “Use FRED to Teach Community College Economics,” Federal Reserve Bank of St. Louis (online). June and August 2020.
- 2020 “Active Learning with FREDcast: An Eyes-on Workshop,” 94<sup>rd</sup> Annual Conference, Western Economic Association International (WEAI), (online). June 2020.
- 2020 “Teaching Remotely with FRED Workshop,” University of Delaware Center for Economic Education, (online). April 2020.
- 2020 “Remote Learning with FRED Workshop,” James Madison University Center for Economic Education, (online). April 2020.
- 2020 “Hands-on Teaching with FRED: A Partners in Quantitative Literacy Webinar for Love Data Week,” Inter-university Consortium for Political and Social Research (ICPSR), (online). February 2020.
- 2019 “FREDcast for the Classroom,” 89<sup>th</sup> Annual Meeting Southern Economic Association (SEA), Fort Lauderdale, FL. November 2019.
- 2019 “FREDcast for the Classroom,” Federal Reserve Bank of St. Louis 17<sup>th</sup> Professors Conference, St. Louis, MO. November 2019.
- 2019 “FREDcast for the Classroom,” 56<sup>th</sup> Annual Meeting Missouri Valley Economic Association (MVEA), Kansas City, MO. October 2019.
- 2019 “Teaching and Learning with FRED,” 2019 Annual Conference of the New York State Economic Association (NYSEA), Rochester, NY. September 2019.
- 2019 “FREDcast for the Classroom,” 2019 Annual Meeting of the Ohio Association of Economists and Political Scientists (OAEPS), Cleveland, OH. September 2019.
- 2019 “FRED for Business Journalists,” Federal Reserve Bank of St. Louis, MO. September 2019.
- 2019 “FRED for All,” 2019 Advanced Placement Conference, Federal Reserve Bank of St. Louis, MO. July 2019.
- 2019 “Teaching with Econlowdown and FRED,” M.A. in Economics and Entrepreneurship for Educators (MAEEEE), University of Delaware Newark, DE. July 2019.
- 2019 “Working with Data,” 2<sup>nd</sup> Annual Federal Reserve Institute in San Diego, San Diego, CA. June 2019.
- 2019 “Storytelling with FRED,” 2019 C2ER Annual Conference and LMI Institute Forum, St. Louis, MO. June 2019.

- 2019 “FRED in the Intermediate and Advanced Classroom,” 9<sup>th</sup> American Economic Association (CTREE) Pre-Conference and Conference on Teaching and Research in Economic Education, St. Louis, MO. May 2019.
- 2019 “FRED and Econ Ed at the St. Louis Fed,” Federal Reserve Bank of St. Louis, MO. May 2019.
- 2019 “Data Visualization Workshop— Using FRED to Teach Monetary Policy and Basic Macro Topics,” 2019 Annual Meeting Midwest Economic Association (MEA), St. Louis, MO. March 2019.
- 2019 “Using FRED Data in the Classroom,” 30<sup>th</sup> Annual Teaching Economics Conference, Robert Morris University, Pittsburgh, PA. February 2019.
- 2018 “FRED: Active Learning with Data,” 88<sup>th</sup> Annual Meeting Southern Economic Association (SEA), Washington, D.C. November 2018.
- 2018 “Creating Data Literacy Lesson Plans,” 2018 Beyond the Numbers Conference, Federal Reserve Bank of St. Louis, St. Louis, MO. November 2018.
- 2018 “Learning Data Science at the Library: Lesson Plans on Data Literacy Skills,” 2018 National Numeracy Conference, Michigan State University, East Lansing, MI. October 2018.
- 2018 “Maps and Graphs and Forecasts, Oh My!” University of Arizona, Tucson, AZ. September 2018.
- 2018 “Using FRED in an Advanced Economics Course,” Federal Reserve Bank of Atlanta –Birmingham Branch, Birmingham, AL. September 2018.
- 2018 “FRED: Active Learning with Data – A Hands-on Workshop,” 93<sup>rd</sup> Annual Conference, Western Economic Association International (WEAI), Vancouver, BC. June 2018.
- 2018 “FRED in the Classroom,” 8<sup>th</sup> American Economic Association (CTREE) Pre-Conference and Conference on Teaching and Research in Economic Education, San Antonio, TX. June 2018.
- 2018 “FRED in the Classroom,” 23<sup>rd</sup> Annual Economics Teaching Workshop, University of Kentucky, Pre-Conference. Lexington, KY. April 2018.
- 2018 “Workshop on FRED,” 2018 Annual Meeting Midwest Economic Association (MEA), Evanston, IL. March 2018.
- 2018 “Teaching with FRED,” Professional Development Workshop, Federal Reserve Bank of Atlanta, Atlanta, GA. March 2018.
- 2018 “Active Learning with Data,” 38<sup>th</sup> Professional Development Conference, National Association of Economic Educators (NAEE), Los Angeles, CA. February 2018
- 2017 “Active Learning with Data,” Santa Monica College, CA (September); LaGuardia Community College, NY (October); Lorain County Community College, OH (November) 2017.
- 2017 “Active Learning with FRED Data,” 54<sup>th</sup> Annual Meeting Missouri Valley Economic Association (MVEA), Kansas City, MO. October 2017.
- 2017 “Teaching with FRED,” M.A. in Economics and Entrepreneurship for Educators (MAEEE), University of Delaware Newark, DE. June 2017.

- 2017 “FRED in the Classroom,” 7<sup>th</sup> American Economic Association (CTREE) Pre-Conference and Conference on Teaching and Research in Economic Education, Denver, CO. June 2017.
- 2016 “Workshop on FRED,” 53<sup>rd</sup> Annual Meeting Missouri Valley Economic Association (MVEA), St. Louis, MO. October 2016.
- 2016 “Teaching with Data: FRED Interactives Preview,” 2016 Beyond the Numbers Conference at St. Louis Federal Reserve Bank, St. Louis, MO. October 2016.
- 2016 “Teach With FRED Dashboards,” 2016 EconED Conference, Fort Lauderdale, FL. September 2016.
- 2016 “Bringing Data into the Classroom,” M.A. in Economics and Entrepreneurship for Educators (MAEEE), University of Delaware Newark, DE. June 2016.
- 2016 “FRED in the Classroom,” 6<sup>th</sup> American Economic Association (CTREE) Pre-Conference and Conference on Teaching and Research in Economic Education, Atlanta, GA. June 2016.
- 2016 “Digital Humanities and the Flipped Pedagogy,” sponsored by the Re-Centering the Humanities Mellon Foundation Grant at Illinois Wesleyan University, Bloomington, IL. February 2016
- 2015 “FRED in the Classroom,” 5<sup>th</sup> American Economic Association (CTREE) Conference on Teaching and Research in Economic Education, Minneapolis, MN. May 2015.
- 2015 “Teaching with FRED,” Illinois State University and Federal Reserve Bank of St. Louis Symposium, Normal, IL. May 2015.
- 2014 “Quantitative Reasoning in the Social Sciences,” National Numeracy Network (NNN) 2014 Annual Meeting at Carleton College, Northfield, MN. October 2014.
- 2014 “Data in the Undergraduate Economics Curriculum: Old and New Practices,” 2014 Beyond the Numbers Conference at St. Louis Federal Reserve Bank, St. Louis, MO. September 2014.
- 2014 “Free Google Drive-based Mind Maps and Moodle,” 2014 Collaborative Liberal Arts Moodle Project (CLAMP) Conference at Macalester College, St. Paul, MN. June 2014.
- 2013 “Writing About Numbers,” sponsored by the Writing/Information Literacy Mellon Foundation Grant at Illinois Wesleyan University, Bloomington, IL. January 2013

## **CONFERENCE AND INVITED SEMINAR PRESENTATIONS**

- 2024 “Data Literacy and Micro-Credentials,” 2024 System Learning Conference, Federal Reserve System, St. Louis, MO. October 2024.
- 2024 “Teaching with FRED and Active-Learning Strategies in Introductory Economics Courses,” 13<sup>th</sup> American Economic Association (CTREE) Conference on Teaching and Research in Economic Education, Atlanta, GA. May 2024.
- 2024 “A Survey of Teaching Methods and Economics Curriculum Alignment in Social Studies Courses,” 13<sup>th</sup> American Economic Association (CTREE) Conference on Teaching and Research in Economic Education, Atlanta, GA. May 2024.
- 2024 “Recognizing Diversity in Data: A Micro-Credential,” 2024 STL DataFest, Washington University, St. Louis, MA. May 2024.

- 2024 “Financial Education and its Effectiveness,” 2024 Cherry Blossom Financial Education Institute, Stanford University, Palo Alto, CA. April 2024.
- 2024 “Recognizing Diversity in Data Micro-Credential,” 2024 Southeastern-Massachusetts Quantitative Engagement and Literacy (SeQEL) Conference, (online). March 2024.
- 2024 “Using FRED® Data in the Economics Classroom,” 35<sup>th</sup> Annual Teaching Economics Conference, Robert Morris University (online). February 2024.
- 2024 “Diving into the Gap: Gender Differences in an Online Learning Activity,” 2024 Sadie TM Alexander Conference for Economics and Related Fields, Washington, D.C. February 2024.
- 2024 “A Survey of Teaching and Assessment Methods in Advanced Placement Economics Courses,” 2023 Allied Social Sciences Associations - American Economic Association (ASSA-AEA) Conference, San Antonio, TX. January 2024.
- 2023 “Data Citations and Reproducibility in the Undergraduate Curriculum,” Federal Reserve Bank of St. Louis Beyond the Numbers Conference, St. Louis, MO. November 2023.
- 2023 “What’s New with FRED® and Friends?” Federal Reserve Bank of St. Louis 21<sup>st</sup> Professors Conference, St. Louis, MO. November 2023.
- 2023 “Recognizing Diversity in Data Micro-Credential,” 2023 Data Village Conference, Federal Reserve System (online). October 2023.
- 2023 “A Survey of Teaching and Assessment Methods in Advanced Placement Economics Courses,” 12<sup>th</sup> American Economic Association (CTREE) Conference on Teaching and Research in Economic Education, Portland, OR. June 2023.
- 2023 “Using FRED® Data to Address Diversity and Inclusion,” 2023 Southeastern-Massachusetts Quantitative Engagement and Literacy (SeQEL) Conference, (online). March 2023.
- 2023 “Using FRED® Data to Address Diversity and Inclusion,” 2023 Cengage Economics Teaching Conference, Atlanta, GA. March 2023.
- 2023 “Research from the St. Louis Fed to Improve Economic Education,” 43<sup>rd</sup> Professional Development Conference, National Association of Economic Educators (NAEE), St. Louis, MO. March 2023
- 2023 “Using FRED® Data to Address Diversity and Inclusion,” 49<sup>th</sup> Annual Conference Eastern Economic Association, New York City, NY. February 2023.
- 2023 “Using FRED® Data to Address Diversity and Inclusion in the Classroom,” 34<sup>th</sup> Annual Teaching Economics Conference, Robert Morris University (online). February 2023.
- 2023 “Using FRED® Data to Address Diversity and Inclusion in the Classroom,” 2023 Allied Social Sciences Associations - American Economic Association (ASSA-AEA) Conference, New Orleans, LA. January 2023.
- 2022 “Should Teaching Reproducibility Be Part of the Undergraduate Curriculum?” 92<sup>nd</sup> Annual Meeting Southern Economic Association (SEA), Fort Lauderdale, FL. November 2022.
- 2022 “Data Literacy Badges,” Federal Reserve Bank of St. Louis Beyond the Numbers Conference, St. Louis, MO. November 2022.

- 2022 “Using FRED Data to Teach about Redlining,” Federal Reserve Bank of St. Louis 20<sup>th</sup> Professors Conference, St. Louis, MO. November 2022.
- 2022 “Micro-Credentials in Economic Data,” Special Libraries Association (online). October 2022.
- 2022 “Identifying Gender Bias in an Active Learning Activity,” 2022 National Numeracy Conference, Albuquerque, NM. October 2022.
- 2022 “A Pilot Program on Economic Data Literacy for Librarians,” 2022 Data Village Conference, Federal Reserve System (online). October 2022.
- 2022 “Data Bytes: FRED,” Oklahoma State University webinar, (online). October 2022.
- 2022 “Gender Differences in the Work of Leading Authors in Economic Education Scholarship,” Council for Economic Education (CEE) 61<sup>st</sup> Annual Financial Literacy and Economic Education Conference, Chantilly, VA. September 2022.
- 2022 “Teaching Economics Using Primary Sources,” Council for Economic Education (CEE) 61<sup>st</sup> Annual Financial Literacy and Economic Education Conference, Chantilly, VA. September 2022.
- 2022 “Storytelling with FRED Data: A Skills-based Approach Around Micro-credentials,” National Numeracy webinar, (online). August 2022.
- 2022 “Choice of Data Visualization Tool: FRED or Spreadsheets?” 11<sup>th</sup> American Economic Association (CTREE) Conference on Teaching and Research in Economic Education, Chicago, IL. June 2022.
- 2022 “Active Learning in Economics with FRED Data: Evidence from an Online Module,” International Society for Technology in Education, (online). June 2022.
- 2022 “Why and How to Teach Students to Tell Economics Stories with Data,” (panel) 3<sup>rd</sup> Annual TeachECONference, (online). June 2022.
- 2022 “Micro-credentials in Economic Data Literacy and FRED: A Professional Development Badge for Librarians,” Association of College and Research Libraries, Micro-credentials interest group, (online). June 2022.
- 2022 “Teaching and Learning with FRED,” Federal Reserve Bank of Chicago, Chicago, IL. May 2022.
- 2022 “Teaching and Learning with FRED,” 2022 Virginia Association of Economists Annual Meeting, (online). March 2022.
- 2022 “Developing Data Literacy Competencies: A Pilot Program for Librarians,” 2022 National Numeracy Conference, (online). February 2022.
- 2022 “Using FRED Data to Teach About Residential Redlining,” 42<sup>nd</sup> Professional Development Conference, National Association of Economic Educators (NAEE) (online). February 2022
- 2022 “Highlighting Diversity and Inclusion with FRED Data,” 33<sup>th</sup> Annual Teaching Economics Conference, Robert Morris University (online). February 2022.
- 2022 “Choice of Data Visualization Tool: FRED or Spreadsheets?” 2022 Allied Social Sciences Associations - American Economic Association (ASSA-AEA) Conference, (online). January 2022.



- 2022 “Updating Teaching and Learning Methods,” (panel moderator) 2022 Allied Social Sciences Associations - American Economic Association (ASSA-AEA) Conference, (online). January 2022.
- 2021 “Data Provenance and Replicability: Evidence from a Short Assignment,” 91<sup>st</sup> Annual Meeting Southern Economic Association (SEA), (online). November 2021.
- 2021 “Data Literacy and Badges,” Federal Reserve Bank of St. Louis Biennial Beyond the Numbers conference, (online). November 2021.
- 2021 “Using FRED Teach Hybrid Courses,” Federal Reserve Bank of St. Louis 19<sup>th</sup> Professors Conference, (online). November 2021.
- 2021 “Active Learning with FRED Data,” 2021 Open Education Conference, (online). October 2021.
- 2021 “Leveraging FRED® Data to Address Diversity and Inclusion,” 2021 Annual Conference of the New York State Economic Association (NYSEA), (online). October 2021.
- 2021 “Leveraging the FRED Blog for Economic Education,” 2021 Data Village Conference, Federal Reserve System (online). October 2021.
- 2021 “The Interplay Between Data Literacy and Numeracy: Evidence from an Online Economics Module,” Council for Economic Education (CEE) 59<sup>th</sup> Annual Financial Literacy and Economic Education Conference, (online). September 2021.
- 2021 “Discover the Research Skills You Already Have for Quantitative Data Research,” SAGE Publishing, (online). September 2021.
- 2021 “Competitive Preferences and FREDcast,” 10<sup>th</sup> American Economic Association (CTREE) Conference on Teaching and Research in Economic Education, (online). May-June 2021.
- 2021 “The Interplay Between Data Literacy and Numeracy: Evidence from an Online Economics Module,” 2021 National Numeracy Conference, (online). February 2021.
- 2021 “Federal Reserve Economic Data: A History,” 2021 Allied Social Sciences Associations - American Economic Association (ASSA-AEA) Conference, (online). January 2020.
- 2021 “Professional Development Programs for Educators by Federal Reserve Banks,” 2021 Allied Social Sciences Associations - American Economic Association (ASSA-AEA) Conference, (online). January 2020.
- 2020 “Basic Proficiencies and Self-Efficacy in Data Literacy,” 90<sup>th</sup> Annual Meeting Southern Economic Association (SEA), (online). November 2020.
- 2020 “Tools You Can Use from the Fed,” Economics for Opinion Leaders, Lakeland University and Federal Reserve Bank of Chicago, (online). November 2020.
- 2020 “Using FRED and FREDcast to Teach Online,” Federal Reserve Bank of St. Louis 18<sup>th</sup> Professors Conference, (online). November 2020.
- 2020 “Teaching remotely with FRED: The economic impact of COVID-19,” 2020 Annual Conference of the New York State Economic Association (NYSEA), (online). October 2020.

- 2020 “Textual Analysis of Economic Education Articles,” 40<sup>th</sup> Professional Development Conference, National Association of Economic Educators (NAEE), Jacksonville, FL. February 2020
- 2020 “Surveying Hansen’s data-related proficiencies of undergraduate economics students,” 2020 American Social Sciences Association - American Economic Association (ASSA-AEA) Conference, San Diego, CA. January 2020.
- 2020 “Professional promotion and the scholarship of teaching and learning in economics,” 2020 Allied Social Sciences Associations - American Economic Association (ASSA-AEA) Conference, San Diego, CA. January 2020.
- 2019 “Active Learning with FRED: Two examples,” 89<sup>th</sup> Annual Meeting Southern Economic Association (SEA), Fort Lauderdale, FL. November 2019.
- 2019 “Active learning with FRED,” XI Conference on Education and Financial Inclusion, CEMLA, Mexico City, Mexico. November 2019.
- 2019 “What is new with FRED,” Federal Reserve Bank of St. Louis 17<sup>th</sup> Professors Conference, St. Louis, MO. November 2019.
- 2019 “Segmenting online educational materials,” Council for Economic Education (CEE) 58<sup>th</sup> Annual Financial Literacy and Economic Education Conference, Los Angeles, CA. November 2019.
- 2019 “Active learning for future data gurus,” (webinar) Federal Reserve Bank of St. Louis, MO. October 2019.
- 2019 “The Great Recession as seen through FRED graphs,” 2019 Annual Meeting of the Ohio Association of Economists and Political Scientists (OAEPS), Cleveland, OH. September 2019.
- 2019 “Gamification of Macroeconomics Instruction with FREDcast Leagues,” 9<sup>th</sup> American Economic Association (CTREE) Conference on Teaching and Research in Economic Education, St. Louis, MO. May 2019.
- 2019 “Student misperceptions about personal finance: Evidence from econlowdown.org,” 39<sup>th</sup> Professional Development Conference, National Association of Economic Educators (NAEE), Denver, CO. February 2019
- 2019 “The Federal Reserve Banks as Partners in Economic Education,” (session chair) 2019 Allied Social Sciences Associations - American Economic Association (ASSA-AEA) Conference, Atlanta, GA. January 2019.
- 2019 “Active Learning with FRED: Theory, Practice, and Findings,” 2019 Allied Social Sciences Associations - American Economic Association (ASSA-AEA) Conference, Atlanta, GA. January 2019.
- 2019 “Flipping Introduction to Economics with Econlowdown.org,” 2019 Allied Social Sciences Associations - American Economic Association (ASSA-AEA) Conference, Atlanta, GA. January 2019.
- 2018 “Look at the Birdie: A Quasi-Natural Experiment on Answer Distractors,” 88<sup>th</sup> Annual Meeting Southern Economic Association (SEA), Washington, D.C. November 2018.
- 2018 “Developing Data Literacy Lesson Plans,” 2018 Beyond the Numbers Conference, Federal Reserve Bank of St. Louis, St. Louis, MO. November 2018.

- 2018 “Learning Data Science at the Library: Lesson Plans on Data Literacy Skills,” 4<sup>T</sup> Virtual Conference on Data Literacy, University of Michigan. July 2018.
- 2018 “Talk of the Town: A Textual Analysis of Economic Education Article Titles,” 8<sup>th</sup> American Economic Association (CTREE) Conference on Teaching and Research in Economic Education, San Antonio, TX. June 2018.
- 2018 “Lesson Format and Types of Value-Added Learning,” 2018 Allied Social Sciences Associations - American Economic Association (ASSA-AEA) Conference, Philadelphia, PA. January 2018.
- 2018 “Economic and Financial Capability Education: K-12 and College Studies,” (session chair) 2018 Allied Social Sciences Associations - American Economic Association (ASSA-AEA) Conference, Philadelphia, PA. January 2018.
- 2017 “Bring Data into Your Classroom,” (webinar) Federal Reserve Bank of St. Louis, MO. December 2017.
- 2017 “Teaching with Data: FRED in Introductory Economics,” Federal Reserve Bank of St. Louis 15<sup>th</sup> Professors Conference, St. Louis, MO. November 2017.
- 2017 “Mathematics in the Principles Course,” (panel moderator) 2017 EconED Conference, Chicago, IL. October 2017.
- 2017 “Look at the Birdie: A Quasi-Natural Experiment on Answer Distractors,” Council for Economic Education (CEE) 56<sup>th</sup> Annual Financial Literacy and Economic Education Conference, Brooklyn, NY. October 2017.
- 2017 “An Image is Worth 1,000 Words: Student Performance Dashboards,” Council for Economic Education (CEE) 56<sup>th</sup> Annual Financial Literacy and Economic Education Conference, Brooklyn, NY. October 2017.
- 2017 “Data Graphs as Visual Arguments: Numeracy in Business Management Education,” 2017 Research in Management Learning and Education (RMLE) Unconference, New York City, NY. June 2017.
- 2017 “Smaller Portions Taste Better: Long-form vs. Short-form Online Learning Modules,” 7<sup>th</sup> American Economic Association (CTREE) Conference on Teaching and Research in Economic Education, Denver, CO. June 2017.
- 2017 “Teaching Macroeconomics Using Data,” 2017 Allied Social Sciences Associations - American Economic Association (ASSA-AEA) Conference, Chicago, IL. January 2017.
- 2016 “Teaching with Data: FRED in Introductory Economics,” Federal Reserve Bank of St. Louis 14<sup>th</sup> Professors Conference, St. Louis, MO. November 2016.
- 2016 “Visualizing Data in a Blended Learning Environment Using the Online FRED Database,” 6<sup>th</sup> American Economic Association (CTREE) Conference on Teaching and Research in Economic Education, Atlanta, GA. June 2016.
- 2016 “The Local Economic Impact of Nonprofit Organizations in Central Illinois,” Midwest Economics Association (MEA) 2016 Annual Meeting, Evanston, IL. March 2016.
- 2016 “Visualizing Data in a Blended Learning Environment Using the Online FRED Database,” 2016 Allied Social Sciences Associations - American Economic Association (ASSA-AEA) Conference, San Francisco, CA. January 2016.

- 2015 “Evaluating Flipped Classroom Efforts in Introduction to Economics,” Federal Reserve Bank of St. Louis 13<sup>th</sup> Professors Conference, St. Louis, MO. November 2015.
- 2015 “Teaching With Data,” 2015 EconED Conference, San Antonio, TX. September 2015.
- 2015 “Evaluating Flipped Classroom Efforts in Introduction to Economics,” 5<sup>th</sup> American Economic Association (CTREE) Conference on Teaching and Research in Economic Education, Minneapolis, MN. May 2015.
- 2015 “Socio Economic Determinants of Residential Foreclosures in Rural Central Illinois,” Midwest Economics Association (MEA) 2015 Annual Meeting, Minneapolis, MN. March 2015.
- 2015 “Evaluating Flipped Classroom Efforts in the Social Sciences,” Illinois State University 2015 Teaching and Learning Symposium, Normal, IL. January 2015.
- 2014 “The FRED Database and Quantitative Information Literacy in Money and Banking,” Federal Reserve Bank of St. Louis 12<sup>th</sup> Professors Conference, St. Louis, MO. November 2014.
- 2014 “Building a Local Network of Users/Experts From the Ground Up,” 2014 Collaborative Liberal Arts Moodle Project (CLAMP) Conference at Macalester College, St. Paul, MN. June 2014.
- 2014 “The FRED Database and Quantitative Information Literacy in Money and Banking,” 4<sup>th</sup> American Economic Association (CTREE) Conference on Teaching and Research in Economic Education, Washington, D.C. May 2014.
- 2014 “Redesigning Course Assignments to Incorporate Information Literacy,” (panel discussant) New Directions in Information Fluency Conference at Augustana College, Rock Island, IL. April 2014.
- 2014 “Public versus Private Management of Residential Foreclosures: McLean County, IL, 2006-2013,” Midwest Economics Association (MEA) 2014 Annual Meeting, Evanston, IL. March 2014.
- 2013 “Quantitative Reasoning in Intermediate Macroeconomics,” Federal Reserve Bank of St. Louis 11<sup>th</sup> Professors Conference, St. Louis, MO. November 2013.
- 2013 “Quantitative Reasoning and Information Literacy in Economics,” 3<sup>rd</sup> American Economic Association (CTREE) Conference on Teaching and Research in Economic Education, Chicago, IL. May 2013.
- 2013 “Quantifying Academic Salary Inversion in the Public University System in Illinois,” Midwest Economics Association (MEA) 2013 Annual Meeting, Columbus, OH. March 2013.
- 2013 “Financial and Labor Market Determinants of Mortgage Delinquency Rates: McLean County, IL, 1985-2012,” Midwest Financial Association (MEA) 2013 Annual Meeting, Chicago, IL. March 2013.
- 2012 “Academic Salary Inversion in the Public University System in Illinois,” Midwest Economics Association (MEA) 2012 Annual Meeting, Evanston, IL. March 2012.
- 2010 “Economic Growth Effects on Government Expenditure on Culture: Empirical and Institutional Considerations,” Cultural Trends International Conference. London, England, November 2010.

- 2009 “Academic Salary Compression at Public Universities in Illinois,” Midwest Economics Association (MEA) 2009 Annual Meeting, Cleveland, OH. March 2009.
- 2008 “Academic Salary Compression at Public Universities in Illinois,” Missouri Valley Economics Association (MVEA) 45<sup>th</sup> annual meeting, St. Louis, MO. October 2008.
- 2008 “Private Funding of Culture in the UK: What is behind the Regional Inequality?” Museums, Libraries and Archives Council, Research Seminar, London, England. May 2008.
- 2008 “The Cross-Sectional Distribution of Prices and Inflation Dynamics Across the European Union,” Research Seminar, Economics Department, University of Peloponnese, Greece. May 2008.
- 2008 “Relative Prices and Inflation Dynamics in the Periphery of the European Union,” Research Seminar, Economics Dept., Universidad Rey Juan Carlos I, Madrid, Spain. April 2008.
- 2008 “Inflation Differentials within the EMU: the Case of Spain,” Research Seminar, Economics Dept., Universidad Rey Juan Carlos I, Madrid, Spain. April 2008.
- 2008 “Macroeconomic Consequences of Energy Policies,” Graduate Seminar, Economics Department, Universidad Autónoma de Madrid, Madrid, Spain. April 2008.
- 2007 “The Cross-Sectional Distribution of Prices and Inflation Dynamics: Evidence from the Periphery of the European Union,” 11th International Conference on Macroeconomic Analysis and International Finance, Crete, Greece. May 2007.
- 2006 “Regional Concentration of Private Funding for the Arts and Heritage in the UK: 1994-2005,” ARNOVA 35<sup>th</sup> Annual Conference, Chicago, IL. November 2006.
- 2006 “Energy Dependence, Oil Prices and Exchange Rates: The Dominican Republic in the 1990s,” Western Economic Association International (WEAI) 81<sup>st</sup> Annual Conference, San Diego, CA. July 2006.
- 2006 “What to Look for in Time Series Analysis,” Graduate Seminar, Economics Department, Universidad Rey Juan Carlos I, Madrid, Spain. March 2006.
- 2005 “Core Inflation as Endemic Inflation in the Dominican Republic,” Western Economic Association International (WEAI) 80<sup>th</sup> Annual Conference, San Francisco, CA. July 2005.
- 2004 “Macroeconomic Consequences of Trade Liberalization Processes,” Graduate Seminar, Maestrías para el Desarrollo, Universidad Católica Boliviana, La Paz, Bolivia. August 2004.
- 2004 “Precios Relativos e Inflación: Evidencia en el Caso Español,” Seminario de Investigación, Departamento de Programación Monetaria e Investigación Económica, Banco Central de la República Dominicana, Santo Domingo, Dominican Republic. July 2004.
- 2003 “Relative-Price Changes and Inflation: Evidence from Spain,” Western Economic Association International (WEAI) 78<sup>th</sup> Annual Conference, Denver, CO. July 2003.
- 2003 “Smooth transition to trade liberalization” International Conference on Policy Modeling (EcoMod2003), Istanbul, Turkey. July 2003.

- 2000 “Economic Integration, Market Discipline, and Productivity Growth in Spain” Southeast Theory and International Economics Meetings (SETI), Rice and Houston Universities, Houston, TX. October 2000.
- 1999 “Formation and Dissolution of Economic Unions: Externalities, Cycles and Transitional Growth,” Southeast Theory and International Economics Meetings (SETI), Georgetown University, Washington D.C. November 1999.

## REVIEWS OF TEXTBOOK MANUSCRIPTS

- 2017 “Principles of Economics by Justin Wolfers and Betsey Stevenson,” Macmillan Publishers, New York City, NY. Forthcoming.
- 2015 “Intermediate Macroeconomics by Pierre Yared and Nicolas Vincent,” Pearson Publishers, Boston, MA. Forthcoming.
- 2014 “Economics by Roger Butters and Carlos Asarta,” McGraw-Hill, New York City, NY. August 2015.
- 2014 “Economics by Daron Acemoglu, David Laibson and John List,” Addison Wesley Longman, Reading, MA. July 2014.
- 2013 “Macroeconomics: Policy and Practice by Frederic Mishkin,” Pearson Publishers, Boston, MA. September 2014.
- 2009 “Principles of Economics 2/e by Paul Krugman and Robin Wells,” Worth Publishers, New York, NY. February 2009.
- 2009 “Principles of Economics by Justin Wolfers,” Worth Publishers, New York City, NY. Forthcoming.
- 2009 “Macro! by Robert Barro,” South-Western Cengage, Mason, OH, September 2009.
- 2006 “International Macroeconomics by Peter Montiel,” Addison Wesley Longman, Reading, MA. July 2006.
- 2006 “Applied Intermediate Macroeconomics by Kevin Hoover,” Addison Wesley Longman, Reading, MA. June 2006.
- 2004 “Essentials of Economics by William Holahan,” Addison Wesley Longman, Reading, MA. October 2004.
- 2004 “Principles of Economics by Michael Leeds and Peter Von Allmen,” Addison Wesley Longman, Reading, MA. April 2004.
- 2004 “Principles of Economics by Timothy Taylor,” Addison Wesley Longman, Reading, MA. March 2004.
- 2003 “Introduction to Economics 2/e by Marc Lieberman and Robert E. Hall,” South-Western College Publishing, Cincinnati, OH. January 2003.
- 2002 “Introduction to Economic Reasoning 6/e by William Rohlf,” Addison Wesley Longman, Reading, MA. December 2002.
- 2001 “Principles of Economics by Paul Krugman and Robin Wells,” Worth Publishers, New York, NY. May 2001.
- 2000 “Foundations of Macroeconomics by Robin Bade and Michael Parkin,” Addison Wesley Longman, Reading, MA. November 2000.
- 2000 “Macroeconomics 4/e by Gregory Mankiw,” Worth Publishers, New York, NY. October 2000.

- 2000 “Economics Today 2001-2002 Ed. by Roger L. Miller,” Addison Wesley Longman, Reading, MA. July 2000.
- 2000 “Economics: Principles and Applications 2/e by Robert E. Hall and Marc Lieberman,” South-Western College Publishing, Cincinnati, OH. May 2000.

## **CONSULTING AND PROFESSIONAL SERVICES**

- 2018 Loras College, Economics Department: external review.
- 2016 Young Women Christian Association: economic impact analysis.
- 2016 United Way of McLean Co.: economic impact analysis.
- 2015 Habitat for Humanity of McLean Co.: economic impact analysis.
- 2014 McLean County Regional Planning Commission: statistical analysis of geographical information systems (GIS) data.
- 2014 Whitnell Analytics: statistical analysis of used truck auction data.
- 2006 Arts and Business, London, UK: statistical analysis of survey data.
- 2005 Educational Testing Service, Princeton, NJ: comparability study of Advanced Placement examinations in Economics.
- 2005 Educational Testing Service, Princeton, NJ: web-based standard setting study of College Level Examination Program, Micro and Macroeconomics.

## **GRANTS AND AWARDS**

### External Funding and Awards

- 2020 International Serious Play Awards: Bronze Medal Winner in Higher Education. “FREDcast.”
- 2014-2017 Teagle Foundation BLAISE Consortium Grant, IWU Project Director: May 2014. “Hybrid Learning and the Residential Liberal Arts Experience.”
- 2014 National Numeracy Network Workshop Development Grant Award: October 2014. “Quantitative Reasoning in the Social Sciences.”
- 2013 PNC Bank Foundation Nonprofit Grant, Principal Investigator: October 2013. “Statistical Analysis of the Socioeconomic Determinants of Residential Foreclosures in Champaign and Sangamon Counties, IL (2006-2013).”
- 2012 PNC Bank Foundation Nonprofit Grant, Principal Investigator: October 2012. “Statistical Analysis of the Socioeconomic Determinants of Residential Foreclosures in McLean and Peoria Counties, IL (2006-2013).”
- 2012 Best New Course Award (2<sup>nd</sup> Place), Equipping Strategic Professors Program, Chicago Mercantile Exchange Foundation Grant Administering Committee and Wheaton College: April 2012.
- 2011-2013 Equipping Strategic Professors Program, Chicago Mercantile Exchange Foundation Grant Administering Committee and Wheaton College: June 2013, July 2012 and July 2011.

### Illinois Wesleyan University, Bloomington, IL.

- 2019 Curriculum Development Grant, Faculty Committee on Diversity: March 2019.
- 2018 Senior Faculty Research Program Grant: December 2018.

- 2018 Externally-funded Faculty Scholarship (EFS) Grant, EFS Grant Administering Committee: June 2018.
- 2016 Curriculum Development Grant, NCAA CHOICES Grant Administering Committee: October 2016.
- 2016 Sabbatical Faculty Leave: Fall 2016.
- 2015 Faculty Development Workshop, A. W. Mellon Foundation Grant Administering Committee: October 2015.
- 2015 Robert and Nell Eckley Summer Scholars and Artists Fellowship: March 2015.
- 2015 Curriculum Development Grant, Mellon Center: March 2015.
- 2012-2014 Assessment of Student Writing Departmental Workshop Grant, A. W. Mellon Foundation Grant Administering Committee: May 2014, May 2013 and April 2012.
- 2012 Summer Reading Program Mini-grant: April 2012.
- 2011 Action Research Center Associates Grant: April 2011.
- 2010 Curriculum Development Grant, U.S. Department of Education Grant Administering Committee: April 2010.
- 2010 Curriculum Development Grant, Teagle Foundation Grant Administering Committee: March 2010.
- 2009-2017 Curriculum Development Grant, Writing Implementation Committee: May 2017, March 2014, September 2012, and April 2009.
- 2009-2019 Curriculum Development Grant: March 2019, December 2018, September 2014, September 2013, and March 2009.
- 2009 Instructional Development Grant: October 2009.
- 2009 Sabbatical Faculty Leave: Spring 2009.
- 2007-2011 Study Abroad Site-Visit Grant: Copenhagen, Denmark, March 2011; Santo Domingo, Dominican Republic, April 2009; Athens, Greece, May 2008; St. Petersburg, Russia, September 2007.
- 2006 Junior Faculty Leave: Spring 2006.
- 2004-2018 Artistic and Scholarly Development Grant: December 2018, April 2017, September 2015, December 2014, April 2012, December 2010, December 2008, December 2007, December 2006, December 2005, and April 2004.

## **COURSES TAUGHT**

Managerial Economics; Microeconomic and Macroeconomic Principles; International Monetary Economics; Money and Banking; Applied Financial Economics; Intermediate Macroeconomics; Applied Time Series Analysis; European Economic Integration; Latin American Economics; Exploring Financial Institutions; Gateway Colloquium; Senior Project.

## **ELECTED AND APPOINTED INSTITUTIONAL SERVICE**

### Illinois Wesleyan University, Bloomington, IL.

- 2014 - 2019 Chairperson and Member, Council for Excellence in Teaching & Learning
- 2018 - 2019 Faculty member, Active and Engaged Learning Task Force.
- 2015 - 2017 Chairperson and Member, Assessment Committee



- 2014 - 2016 University Technology Fellow
- 2014 - 2015 Assessment Facilitator, General Education Program.
- 2014 Faculty Adviser, City of Bloomington Student Intern Program (*spring*)
- 2013 - 2014 Faculty member, Financial Resources Workgroup, Strategic Budget and Planning Committee.
- 2013 Faculty member, General Education Assessment Work Group.
- 2012 - 2014 Chairperson and Member, Faculty Development Committee.
- 2011 - 2012 Faculty member, Academic Appeals Board.
- 2010 - 2017 Assessment Liaison, Economics Department.
- 2009 - 2017 Faculty member, Writing Program Committee.
- 2009 - 2014 Chairperson, Economics Department.
- 2009 Seminar participant, Al Akhawayn University, Ifrane, Morocco.
- 2009 - 2012 Academic Adviser, Economics Society.
- 2008 Director Madrid Program, Spain.
- 2008 Faculty member, Accreditation Committee, Counseling and Consultation Services.
- 2005 - Present Academic Adviser, Model United Nations.
- 2004 - 2005 Faculty member, Teaching and Learning Technology Roundtable.
- 2003 - Present Academic Adviser, Alpha Lambda Delta, First Year Honor Society.
- 2003 - 2009 International Studies Steering Committee member; Team Coordinator, Western European and Latin American Studies (*alternate years*).
- 2002 - 2004 Faculty member, Academic Appeals Board.

City of Bloomington, IL.

- 2014 - 2015 Chair, Economic Development Working Group of the City of Bloomington Comprehensive Plan