

William M. Boal
Curriculum Vitae
June 2026

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1. Background

Education

- B.A., 1976, Wesleyan University, Middletown, Connecticut. Major: Mathematics-Economics Interdepartmental Program.
- Ph.D., 1985, Stanford University, Stanford, California. Dissertation: "Unionism and Productivity in West Virginia Coal Mining." Fields of concentration: Labor Economics, Econometrics, Industrial Organization, and Urban Economics.

Awards

- White Prize for Undergraduate Economics (from Wesleyan University) 1976.
- Dissertation Fellowship in Employment and Training (from Social Science Research Council) 1983.
- Seed Grant (from Ohio State University) 1987.

Positions Held

- Research Assistant, The World Bank, Economic Analysis and Projections Department (August 1976-September 1978).
- Lecturer, Stanford University, Department of Economics (March-June 1983).
- Marketing Analyst, Pacific Bell, Marketing Department, San Ramon, California (September 1984-June 1986).
- Assistant Professor, The Ohio State University, Department of Economics (September 1986-June 1995).
- Visiting Assistant Professor, Stanford University, Department of Economics (September 1990-June 1991).
- Assistant, Associate, and Full Professor of Economics, Drake University (August 1995-present).
- Collaborating Professor and Adjunct Instructor, Department of Economics, Iowa State University (August 2002-May 2003).

Department Leadership

- Chair, Drake University, Department of Economics (August 1998-June 2001).
- Chair, Drake University, Department of Economics, Finance, and Insurance (August 2001-June 2002).
- Chair, Department of Actuarial Science, Economics, Finance, Insurance, and Statistics (June 2009-May 2012).
- Chair, Department of Economics and Finance, Drake University (July 2020-June 2022).
- Co-Chair, Department of Economics and Finance, Drake University (July 2022-June 2024).

2. Teaching

Undergraduate Courses Taught at Ohio State University

- Principles of Microeconomics (honors section, without calculus) (ECON H200)

- Principles of Microeconomics (honors section, with calculus) (ECON H200A)
- Elementary Econometrics (ECON 444)
- Intermediate Microeconomic Theory (ECON 501)
- Business and Government (ECON 570)
- Applied Economic Models and Forecasting (ECON 642)
- Labor Economics (ECON 685)

Graduate Courses Taught at Ohio State University

- Inference and Decision Analysis Under Uncertainty (ECON 740)
- Econometrics (applied section) (ECON 742)

Undergraduate Courses Taught at Stanford University

- Intermediate Microeconomics (ECON 51V)
- Introduction to Econometrics (ECON 102)
- Antitrust and Regulation (ECON 158)

Undergraduate Courses Taught at Drake University

- Principles of Macroeconomics (ECON 010)
- Principles of Microeconomics (ECON 002)
- Labor Economics (ECON 115)
- Regulation and Antitrust Policy (ECON 120)
- Introduction to Econometrics (ECON 170) *
- Intermediate Microeconomic Analysis (ECON 173) *
- Intermediate Macroeconomic Analysis (ECON 174)
- Mathematical Economics (ECON 176)
- Seminar in Economics (ECON 190)
- First-Year Seminar--Contemporary Economic Issues (FYS 17)
- Regression and Time Series (STAT 142 or 170)

* Also taught via internet using Blackboard software.

Graduate Courses Taught at Iowa State University

- Intermediate Econometrics (ECON 571)

Teaching Awards

- Ohio State University "Undergraduate Economics Society Award for 600-Level Course Teaching," May 1990.
- Ohio State University "Sphinx and Mortar Board Senior Honor Society Faculty Recognition," January 1991.
- Drake University Zimpleman College of Business "David B. Lawrence Undergraduate Teacher of the Year," April 2010.

3. Research

Refereed Journal Articles

1. "Unionism and Productivity in West Virginia Coal Mining," *Industrial and Labor Relations Review*, Vol. 43, No. 4 (April 1990), pp. 390-405.
2. "The Effects of Labor Unions on Employment, Wages, and Days of Operation: Coal Mining in West Virginia" (with John H. Pencavel), *Quarterly Journal of Economics*, Vol. 109, No. 1 (February 1994), pp. 267-298.
3. "Estimates of Unionism in West Virginia Coal, 1900-1935," *Labor History*, Vol. 35, No. 3 (Summer 1994), pp. 429-441.

4. "Union Response to Mechanization in U.S. Bituminous Coal," *Labour Economics*, Vol. 2, No. 3-4 (September 1994), pp. 243-267.
5. "Testing for Employer Monopsony in Turn-of-the-Century Coal Mining," *RAND Journal of Economics*, Vol. 26, No. 3 (Autumn 1995), pp. 519-536.
6. "Monopsony in the Labor Market" (with Michael Ransom), *Journal of Economic Literature*, Vol. 35, No. 1 (March 1997), pp. 86-112.
7. "New Estimates of Paid-Up Membership in the United Mine Workers, 1902-1929, by State and Province," *Labor History*, Vol. 47, No. 4 (November 2006), pp. 537-546.
8. "The Effect of Minimum Salaries on Employment of Teachers: A Test of the Monopsony Model," *Southern Economic Journal*, Vol. 75, No. 3 (January 2009) pp. 611-638.
9. "The Effect of Unionism on Accidents in U.S. Coal Mining, 1897-1929," *Industrial Relations*, Vol. 48, No. 1 (January 2009), pp. 97-120.
10. "The Effect of Unionization on Productivity: Evidence from a Long Panel of Coal Mines," *Industrial and Labor Relations Review*, Vol. 70, No. 5 (October 2017), pp. 1254-1282.
doi:10.1177/0019793916682222
11. "What Did Unions Do? The Case of Illinois Coal Mining in the 1880s," *Journal of Labor Research*, Vol. 38, No. 4 (December 2017), pp. 439-474. doi:10.1007/s12122-017-9253-8.
12. "Work Intensity and Worker Safety in Early Twentieth-Century Coal Mining," *Explorations in Economic History*, Vol. 70, (October 2018), pp. 132-149. doi:10.1016/j.eeh.2018.08.001
13. "Shorter Hours and Productivity: Evidence from Bituminous Coal," *Labor History*, Vol. 65, No. 1 (February 2024), pp. 83-103. doi: 10.1080/0023656X.2023.2252749
14. "Trends and Myths in U.S. Income Inequality: A Review Essay," *American Economist*, Vol. 71, No. 1 (March 2026), pp. 83-103. doi: 10.1177/05694345251393682

Papers in Proceedings

1. "Why Did Coal Miners Work So Few Hours? Labour-Leisure Choice in the Face of Severe Time Constraints" (with Price Fishback and Shawn Kantor), in J. Blanchard, ed., *Labour and Leisure in Historical Perspective: Papers Presented at the 11th International Economic History Congress* (Milan, 1994), Stuttgart: Franz Steiner Verlag, 1994, pp. 125-135.

Conference and Seminar Presentations

1. "Unionism and Productivity in West Virginia Coal Mining," presented at:
 - Econometric Society/ASSA Meetings, New York, December 1985.
2. "Testing for Labor Monopsony in Turn-of-the-Century Coal Mining," presented at:
 - Eastern Economic Association Conference, Cincinnati, March 1990.
 - University of California, Davis, October 1990.
 - Labor Seminar, Stanford University, January 1991.
 - Western Economic Association Conference, Vancouver, July 1994.
 - Economics Department Seminar, Brigham Young University, September 1994.
 - Economic History Association Conference, Cincinnati, October 1994.
 - Econometric Society/ASSA Meetings, Washington, January 1995.
 - Federal Reserve Bank of Cleveland, May 1995.
3. "Union Response to Mechanization in Bituminous Coal," presented at:
 - Western Economic Association Conference, Seattle, July 1991.
 - Economics Department Seminar, Ohio State University, November 1991.
 - Eastern Economic Association Conference, New York, March 1992.
 - North American Winter Meetings, Econometric Society, Anaheim, January 1993.
4. "The Effects of Unionism on Employment, Wages, and Days of Operation: Coal Mining in West Virginia" (with John H. Pencavel), presented at:
 - Eastern Economic Association Conference, New York, March 1992.
 - Economics Department Seminar, Ohio State University, April 1992.
5. "Unionism and Labor Cost in Coal, 1916-1922," presented at:
 - Eastern Economic Association Conference, Washington, March 1993.
6. "Testing for Employer Monopsony in the Market for Texas Public School Teachers," presented at:
 - Midwest Economics Association Conference, Chicago, Illinois, March 1996.

- Economics Department Seminar, Wesleyan University (Middletown, Connecticut), May 1996.
- Economics Department Seminar, Grinnell College (Grinnell, Iowa), February 1998.
- 7. "Empirical Tests of Labor Monopsony: School Teachers in Missouri" (with Michael Ransom), presented at:
 - Western Economic Association Conference, Lake Tahoe, July 1998.
- 8. "The Effect of Minimum Salaries on Employment of Teachers," presented at:
 - Iowa State University Human Resources Seminar, September 2000.
 - Midwest Economics Association Conference, Cleveland, Ohio, March 2001.
 - Western Economic Association Conference, San Francisco, California, July 2005.
- 9. "The Effect of Unionism on Accidents in Coal Mining, 1897-1929," presented at:
 - Midwest Economics Association Conference, Chicago, Illinois, March 2002.
 - Human Resources Seminar, Iowa State University, November 2002.
 - Economics Department Seminar, University of Nebraska Economics, March 2003.
 - Western Economic Association Conference, Denver, Colorado, July 2003.
- 10. "Unionism, Productivity, and Safety in Early Twentieth-Century Coal Mining," presented at:
 - Western Economic Association Conference, Portland, Oregon, July 2010.
- 11. "What Did Unions Do? The Case of Illinois Coal Mining in the 1880s," presented at:
 - Western Economic Association Conference, Seattle, Washington, July 2013.
 - CBPA Research Colloquium, Drake University, May 2015.
 - Human Resources Seminar, Iowa State University, December 2014.
 - Midwest Economics Association Conference, Minneapolis, March 2015.
 - Labor and Employment Relations Association Conference, Pittsburgh, May 2015.
- 12. "The Effect of Unionization on Productivity: Evidence from a Long Panel of Coal Mines," presented at:
 - CBPA Research Colloquium, Drake University, April 2014.
 - Western Economic Association Conference, Denver, Colorado, June 2014.
 - CBPA Research Colloquium, Drake University, April 2014.
 - Labor and Employment Relations Association/ASSA Meetings, Boston, January 2015.
 - Human Resources Seminar, Iowa State University, October 2015.
- 13. "Work Intensity and Worker Safety in Early Twentieth-Century Coal Mining," presented at:
 - Human Resources Seminar, Iowa State University, September 2016.
 - CBPA First Friday Brown Bag Seminar, Drake University, October 2016.
 - Labor and Employment Relations Association Meetings, Anaheim, May 2017.
 - Western Economic Association Annual Meetings, San Diego, June 2017.
 - World Economic History Congress, Boston, 2018.
- 14. "Shorter Hours and Productivity: Evidence from Bituminous Coal," presented at:
 - CBPA First Friday Brown Bag Seminar, Drake University, March 2021.
 - Labor/Public Economics Seminar, Iowa State University, September 2021.
 - Midwest Economics Association Conference, online, March 2022.
 - Labor and Employment Relations Association Meetings, online, June 2022.
- 15. "Is Income Inequality Increasing or Decreasing?"
 - Zimpleman First Friday Brown Bag Seminar, Drake University, February 2025.
- 16. "*Appalachian Coals* and the Price of Coal"
 - Zimpleman First Friday Brown Bag Seminar, Drake University, September 2025.
 - Economics Department Seminar, Grinnell College, September 2025.
 - Labor/Public Economics Seminar, Iowa State University, October 2025.

Book Reviews

1. Review of *Struggling with Iowa's Pride: Labor Relations, Unionism, and Politics in the Rural Midwest Since 1877*, by Wilson J. Warren, University of Iowa Press: 2000. In *Journal of Economic History*, Vol. 61, No. 1 (March 2001), pp. 234-236.
2. Review of *On the Job: Is Long-Term Employment a Thing of the Past?*, edited by David Neumark, Russell Sage: 2001. In *Journal of Economic History*, Vol. 61, No. 3 (September 2001), pp. 844-845.

3. Review of *Divergent Paths: Economic Mobility in the New American Labor Market*, by Annette Bernhardt, Martina Morris, Mark S. Handcock, and Marc A. Scott, New York, Russell Sage: 2001. In *Journal of Economic History*, Vol. 62, No. 3 (September 2002), pp. 906-907.
4. Review of *Monopsony in Motion: Imperfect Competition in Labor Markets*, by Alan Manning, Princeton University Press: 2003. In *Journal of Economic Literature*, Vol. 42, No. 2 (June 2004), pp. 536-537.
5. Review of *Coal: A Human History*, by Barbara Freese, Penguin Group: 2003. In *Journal of Economic History*, Vol. 64, No. 3 (September 2004), pp. 927-928.
6. Review of *The Face of Decline: The Pennsylvania Anthracite Region in the Twentieth Century*, by Thomas Dublin and Walter Licht, Ithaca, N.Y.: Cornell University Press, 2005. In *Economic History Services*, Apr 20, 2006, URL : <http://eh.net/bookreviews/library/1065.shtml>.
7. Review of *Killing for Coal: America's Deadliest Labor War*, by Thomas G. Andrews, Harvard University Press: 2008. In *Journal of Economic History*, Vol. 69, No. 2 (Jun 2009), pp. 609-611.
8. Review of *The City That Ate Itself: Butte, Montana and Its Expanding Berkeley Pit*, by Brian James Leech, University of Nevada Press: 2018. In *Economic History Review*, Vol. 72, No. 2 (May 2019), pp. 787-788.

Encyclopedia Article

1. Monopsony in American Labor Markets (with Michael Ransom) January 2002. Published online in the *EH.Net Encyclopedia of Economic and Business History* (URL: <http://www.eh.net/encyclopedia/boal.monopsony.php>).

4. Service to Discipline

Memberships in Professional Associations

- American Economic Association.

Referee Service for Professional Journals

- *American Economic Review*, 2008.
- *Applied Economics*, 2017.
- *Cliometrica*, 2021, 2022.
- *Eastern Economic Journal*, 2007.
- *Economica*, 1998, 2004.
- *European Economic Review*, 1999.
- *Human Relations*, 2000.
- *Industrial and Labor Relations Review*, 1990, 1991, 1992, 1993, 1994, 1995, 1998, 2004, 2005, 2007, 2008, 2010, 2012, 2015, 2016.
- *Industrial Health*, 2024
- *Industrial Relations*, 1995.
- *Journal of Economic Literature*, 1993.
- *Journal of Labor Economics*, 2010.
- *Labor Studies Journal*, 2016.
- *Labour Economics*, 1994, 1997, 2003.
- *Quarterly Journal of Business and Economics*, 2000, 2024.
- *Rand Journal of Economics*, 1991, 1994, 1997.
- *World Bank Economic Review*, 1998.

Other Professional Service

- Discussant, session on "Labor Market Decisions in the Twentieth Century," Western Economic Association Conference, Seattle, Washington, July 1991.
- Invited participant, 32nd Annual Cliometrics Conference, Oxford, Ohio, May 1992.

- Panel discussant, roundtable on Price Fishback's *Soft Coal, Hard Choices: The Economic Welfare of Bituminous Coal Miners, 1890-1930*, Social Science History Conference, Baltimore, Ohio, November 1993.
- Discussant, session on "Effects of Trade, Immigration, and On-the-Job Training on Labor Markets," and chair, session on "Effects of Minimum Wage Laws," Western Economic Association Conference, Vancouver, Canada, July 1994.
- Organizer, session on "Monopsony in Labor Markets," Western Economic Association Conference, Lake Tahoe, July 1998.
- Discussant, session on "Wage Differentials," Midwest Economics Association Conference, Cleveland, Ohio, March 2001.
- Discussant, session on "Labor Economics," Western Economic Association Conference, Denver, Colorado, July 2003.
- Discussant, session on "Monopsony in the Labor Market," Western Economic Association Conference, San Francisco, California, July 2005.
- Discussant, Conference on "Monopsony in the Labor Market" (sponsored by Industrial Relations Section, Firestone Library, Princeton University), Sundance, Utah, October 2008.
- Discussant, session on "Teachers and Unions," Western Economic Association Conference, Portland, Oregon, July 2010.
- Discussant, session on "Labor Markets," Western Economic Association Conference, Seattle, Washington, July 2013.
- Discussant, session on "Topics in Labor Markets II," and chair, session on "Topics in Particular Labor Markets," Western Economic Association Conference, Denver, Colorado, July 2014.
- Discussant, sessions on "Monopsonistic and Non-Competitive Labor Markets" and "Labor Markets: Immigration and Divorce," Western Economic Association Conference, San Diego, California, July 2017.

5. Service to Drake University

Zimpleman College of Business¹

- Chair, Economics Search Committee (2001-02, 2008-09, 2010-11, 2014-15, 2015-16).
- Member, College Promotion and Tenure Committee (September 2004-May 2010, September 2011-May 2013, September 2020-May 2023). Chair, September 2012-May 2013, and again September 2022-May 2023.
- Member, College Undergraduate Curriculum Committee (September 2005-May 2009, September 2018-May 2020). Chair, September 2006-May 2007 and again September 2018-June 2020. During my first term as chair, the Committee continued assessment of General Learning Objectives, developed Management-Specific Learning Goals for the College, and reviewed the Business Core Curriculum. During my second term as chair, the Committee developed a proposal for disciplinary minors, which was approved by the College Faculty in spring 2020.
- Chair, College Committee of Full Professors (September 2023-December 2024, September 2025-December 2025).
- Member, College Graduate Curriculum Committee (September 2003-June 2005). Chair, September 2004-June 2005.
- Member, College Annual Review Committee (January 2013-March 2014).
- Member, College Academic Integrity Policy Committee (September 2003-June 2005).
- Member, Statistics Search Committee (September-December 2005).
- Member, Finance Search Committee (October 2009-February 2010).
- Member, Actuarial Science Search Committee (June 2011-March 2014).

¹ The College of Business and Public Administration was renamed the Zimpleman College of Business in February 2023.

College of Arts and Sciences²

- Member, Arts and Sciences Council (August 1997-May 1999, August 2000-May 2001). This elective body met monthly and did work similar to the College of Business's general faculty meeting. The volume of work is larger, however, due to the size and diversity of the College of Arts and Sciences.
- Member, College Planning and Review Committee (August 1997-May 1999). This committee approved new programs and supervised review of existing programs.
- Member, College Technology Planning Committee (December 2000-May 2001). This committee approved proposals from departments and individual instructors to use moneys from the new student technology fee.

University Service

- Elected member, University Faculty Senate (September 2023-December 2024).
- Member, University Task Force on Identity-Based Labor (September 2021-May 2023).
- Member, University Senate Compensation Committee (September 2017-May 2019).
- Member, University Curriculum Committee (September 2012-May 2014).
- Member, College of Arts and Sciences Dean Search Committee (August 2008-January 2009).
- Member, University Grants Committee (March-April 2008). This committee evaluated grant proposals from faculty members across the University.
- Member, University Salary Committee (December 2007-March 2008). This committee provided feedback to the Provost on procedures for adjusting salaries.
- Member, General Education Study Group (May-September 2005).
- Participant, Center for Digital Technology and Learning Focus Group (August 2003).
- Paid consultant to Department of Athletics, "Economic Impact of the 2001 Drake Relays."
- Member, Faculty Senate Budget and Business Affairs Committee (August 1999-2000). This committee reviews University budgetary developments and provides feedback to the Provost and the Vice President for Business Affairs.

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² The Department of Economics was part of the College of Arts and Sciences until 2001, when it was moved to the College of Business and Public Administration and merged with the Department of Finance.