

## **Raymond G. Batina**

(1/15/2024)

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**Fields of Interest**      Public Economics: open economy tax theory, public capital, temptation and taxation, Ricardian Equivalence.  
Applied Macroeconomics.

### **Education**

1985                      Ph.D. in Economics, University of Minnesota, (February, 1985.)  
(Committee: Mark Rosenzweig, Thomas Sargent, Oswald Brownlee)  
1980                      M.A. in Economics, University of Minnesota.  
(Chair: Joel Slemrod)  
1978                      B.S. in Economics (With Honors), Purdue University.

### **Honors and Awards**

1997                      Summer Research Grant, College of Business and Economics,  
Washington State University.  
1993                      Seafirst Distinguished Faculty Award, College of Business and  
Economics, Washington State University.  
1992                      Shell Instructional Excellence Award, College of Business and  
Economics, Washington State University.  
1978                      Phi Beta Phi  
1975                      Freshmen Men's Honor Society

### **Professional Work Experience**

2007 - 2010              Board of Editors, *International Journal of Public Services, Economics and  
Management*.  
2002 - 2004              Consultant, Kansai Institute for Social and Economic Research, Osaka,  
Japan.  
2001 - present              Board of Editors, *Public Finance and Management*.  
Fall, 2000 - present      Full Professor, Department of Economics, Washington State University.  
Fall, 1993                      Sabbatical Leave.  
Fall, 1991- 2000              Associate Professor, Department of Economics, Washington State  
University.  
Spring, 1991                Visiting Assistant Professor, Department of Economics, Purdue  
University.  
Fall, 1985 - 1990              Assistant Professor, Department of Economics, Washington State  
University.

1987 - 1988                      Consultant to the Institute for Public Policy at Evergreen College, Olympia, Washington for a project entitled, "The Stability of State Tax Revenues in the State of Washington."

### ***Publications***

#### ***Books and Edited Volumes***

Symposium on The Use of the Consumption Tax in Response to the Great Recession, *Public Finance and Management*, 2017, 17, no.3.

*Public Goods: Theories and Evidence*, with Toshihiro Ihori, 2005, Germany: Springer-Verlag.

Symposium on Public Capital and Public Finance, 2001, *Public Finance and Management*, 1, no. 2.

*Consumption Tax Policy and the Taxation of Capital*, with Toshihiro Ihori, 2000, Oxford: Oxford University Press.

#### ***Reprinted Articles***

"On the Interpretation of the Modified Samuelson Rule for Public Goods in Static Models with Heterogeneity," 2005, John Cunningham Wood and Michael McClure, eds., *Paul Samuelson: Critical Assessments of Contemporary Economists*, Second Series, Routledge, New York.

"Public Goods and Dynamic Efficiency: The Modified Samuelson Rule," 2005, John Cunningham Wood and Michael McClure, eds., *Paul Samuelson: Critical Assessments of Contemporary Economists*, Second Series, Routledge, New York.

"Sustainability and Intergenerational Transfers," with Jeffrey Krautkraemer, 2001, John C. V. Pezzey and Michael A. Toman, eds, *The Economics of Sustainability*, International Library of Environmental Economics and Policy.

"On the Long Run Effect of Public Capital on Aggregate Output: Estimation and Sensitivity Analysis," 2001, Robin Boadway, Baldev Raj, eds, *Advances in Public Economics*, Germany: Springer-Verlag.

#### ***Work in Progress***

"On Ricardo's Classic Tax Spending Policy Experiment in the Presence of a Banking Sector with a Reserve Requirement," ongoing.

"Optimal tax policy when some agents are tempted by leisure," ongoing.

"Temptation and taxation," ongoing.

“Public capital skill complementarity and inequality,” working paper

### ***Journal Articles***

“On the Ricardian Equivalence Theorem in the Presence of Banks and a Reserve Requirement,” with Toshihiro Ihuri, *Public Finance Review*, 2023, <https://doi.org/10.1177/10911421231213214>.

“A Replication of ‘Is Public Expenditure Productive?’ (Journal of Monetary Economics, 1989),” with Christopher A. Clarke, *Public Finance Review*, 2019, 47, 223-229, <https://doi.org/10.1177/1091142117736606>.

“Do Gender Gaps in Education and Health Affect Economic Growth? A Cross-Country Study from 1975 to 2010,” with Bidisha Mandal and Wen Chen, *Health Economics*, 2018, 27, 877-886.

“Is Policy Coordination a Good Idea? Public Inputs and Policy Harmonization with Skilled and Unskilled Workers,” *Public Finance Review*, 2017, 45, 423-440 (doi: 10.1177/1091142116644777.)

“The Spillover Effects of Good Governance in a Tax Competition Framework with a Negative Environmental Externality,” with Gregmar Galinato, *Environmental and Resource Economics*, 2017, 67, 701-724, doi: 10.1007/s10640-015-9995-9.

“Capital Tax Competition and Social Security,” *International Tax and Public Finance*, 2012, 19, 819-843.

"Local Capital Tax Competition and Coordinated Tax Reform in an Overlapping Generations Economy," *Regional Science and Urban Economics*, 2009, 39, 472 - 478.

"The Empirical Impact of Public Infrastructure on the Japanese Economy," with Jim Feehan and Chris Annala, *Japanese Economic Review*, 2008, 59, 419-437.

"Labor and Capital Taxation with Public Inputs as Common Property," with James Feehan, *Public Finance Review*, 2007, 35, 626-642.

"The Effects of Public Capital on the Economy," *Public Finance and Management*, 2001, vol 1, 113-134.

"On the Long Run Effect of Public Capital on Aggregate Output: Estimation and Sensitivity Analysis," *Empirical Economics*, 1999, vol 24, 165-171.

"Sustainability and Intergenerational Transfers," with Jeffrey Krautkraemer, *Land Economics*, 1999, 75, 167 - 184.

"A Differential Incidence Analysis of a Tax Reform from an Income Tax to a Consumption Tax in the Presence of Bequests," *Public Finance Review*, 1999, 27, no.3, 353-370.

"Tax Evasion and the Time Consistency of the Government's Income Tax Policy," *Japanese Economic Review*, 1999, 50, no. 2, 227 - 235.

"On the Long Run Effects of Public Capital and Disaggregated Public Capital," *International Tax and Public Finance*. 1998, 5, 263-281.

"On the Consumption Tax and the Tax Treatment of Bequests in Different Models of Bequeathing Behavior," *Japanese Economic Review*, 1995, 46 no.4, 398-412.

"On the Possibility of a Non-Neutral Consumption Tax Inducing Harmful International Spillover Effects," *Hacienda Publica Espanola*, 1994, 127, 45 - 59.

"Austerity Measures Under Debt Finance in a World Economy with Overlapping Generations," with Toshihiro Ihori, *Economic Studies Quarterly*, 1993, 44, no.2, 301 - 314.

"On the Time Consistency of the Government's Social Security Benefit Policy," *Journal of Monetary Economics*, 1992, 29, 475-486.

"Time Consistent Income Taxation," *The Quarterly Review of Economics and Finance*, 1992, 32, 68-81.

"The Effects of Social Security in a Life Cycle Family Labor Supply Simulation Model," with Ben Craig, *Journal of Public Economics*, 1991, 46, 199-226.

"International Spillover Effects of Consumption Taxation," with Toshihiro Ihori, *The Journal of the Japanese and International Economies*, 1991, 5, 404-420

"Equity and the Time Consistent Taxation of Income," *The Scandinavian Journal of Economics*, 1991, 93, 407 - 419.

"On the Interpretation of the Modified Samuelson Rule for Public Goods in Static Models with Heterogeneity," *Journal of Public Economics*, 1990, 42, 125-133.

"The Benefit Rule for a Pure Public Good in the Presence of a Social Security Program," *The Scandinavian Journal of Economics*, 1990, 92, 501-512.

"Public Goods and Dynamic Efficiency: The Modified Samuelson Rule," *Journal of Public Economics*, 1990, 41, 389-400.

"The Consumption Tax in the Presence of Altruistic Cash and Human Capital Bequests with Endogenous Fertility Decisions," *Journal of Public Economics*, 1987, 34, 329-354.

"The Optimal Linear Income Tax with Tax Credits Contingent on Fertility," *Journal of Public Economics*, 1986, 30, 219-235.

### ***Other Publications***

"Public Inputs and the Private Economy: Some Conceptual and Policy-Theoretic Issues," published by Economic and Social Research Institute, Cabinet Office, Government of Japan as a part of the International Collaboration Project, February 2004. (With Chris Annala, SUNY Geneseo, and James P. Feehan, Memorial University of Newfoundland) Available to the public on-line at: <http://www.esri.go.jp/en/prj-rc/macro/macro15/syousai2-e.html>

"The Impact of Public Inputs on the Private Economy: Further Evidence for the Japanese Economy," published by Economic and Social Research Institute, Cabinet Office, Government of Japan as a part of the International Collaboration Project, January 2004. (With Chris Annala, SUNY Geneseo and James P. Feehan, Memorial University of Newfoundland) Available to the public on-line at: <http://www.esri.go.jp/en/prj-rc/macro/macro15/syousai2-e.html>

"The Impact of Public Inputs on the Private Economy," published by Economic and Social Research Institute, Cabinet Office, Government of Japan as a part of the International Collaboration Project, 2003. (With Chris Annala, SUNY Geneseo and James P. Feehan, Memorial University of Newfoundland) Available to the public on-line at: <http://www.esri.go.jp/en/prj-rc/macro/macro14-e.html>

"Elasticity of Tax Revenues and Revenue Stability," R. Berney and R. G. Batina, The Washington State Institute for Public Policy, The Evergreen State College, Olympia, WA, 1987.

### ***Online Publishing***

"Lectures Notes on Public Economics," 2021-2022.

"Lecture Notes on Monetary Theory and Policy," 2021.

"Lecture Notes on Macroeconomics," 1997, last revised August, 2006.

"Interactive Lecture Notes on Economic Growth," January, 1998. Third revision: June, 2002.

"Lecture Notes on Intermediate Microeconomics," an Intermediate Microeconomics Textbook, with accompanying Podcasts and Other Materials, revision: 2022.

### ***Research Grants and Awards***

2019            Travel Grant, National Graduate Research Institute for Policy Studies, GRIPS, Japan, \$5,000.

- 2004 Research Grant, ESRI, Japan, "The Impact of Public Capital on the Japanese Economy," ¥2.5m.
- 2003 Research Grant, ESRI, Japan, "The Impact of Public Capital on the U.S. Economy," ¥2.5m.
- 2000 Research Grant, ESRI, Japan, "An Economic Analysis of Risk Management in the World Economy," \$60,000, with Professor Toshihiro Ihori, University of Tokyo.
- 1997 Summer Research Grant Award, College of Business and Economics, Washington State University, \$5000.
- 1997 Travel Grant, Nomura Research Grant, with Professor Toshihiro Ihori, University of Tokyo, \$3000.
- 1996 Research Stipend, "The Environment, Country Risk, and International Public Goods," Asahi Glass Company, with Professor Toshihiro Ihori, University of Tokyo, \$2000.
- 1995 Research Stipend, Murata Corporation, with Professor Toshihiro Ihori, University of Tokyo, \$2000.
- 1994 Travel Grant, Nomura Research Grant, with Professor Toshihiro Ihori, University of Tokyo, \$4000.
- 1993 Travel Grant, Murata Co., Osaka, Japan, with Professor Toshihiro Ihori, University of Tokyo, \$4000.
- 1990 Faculty Summer Stipend Award, Office of Grant and Research Development, Washington State University, \$3000.
- 1989 Faculty Summer Stipend Award, Office of Grant and Research Development, Washington State University, \$3000.
- 1986 Faculty Summer Stipend Award, Office of Grant and Research Development, Washington State University, \$3000.

### ***Presentations***

- Nov, 2023 "Public Capital Skill Complementarity and Inequality," presented by Christopher Clarke at the Southern Economic Association meetings in New Orleans.
- July, 2018 "Public Capital Skill Complementarity and Inequality," presented by Christopher Clarke at the WEAI meetings in Vancouver, BC, and at Idaho State University in Boise.
- May, 2017 Session: Regions in Transition, "Public Capital Skill Complementarity and Inequality," Pacific Northwest Regional Economics Conference. (May 23, 2017), presented by Christopher Clarke.
- May, 2017 "Replicating Aschauer's (1989) Landmark Paper: "Is Public Expenditure Productive?" presented by C. A. Clarke at the PNWRE conference in Bend, OR.
- July, 2016 "Replicating Aschauer's (1989) Landmark Paper: "Is Public Expenditure Productive?" presented by C. A. Clarke at the WEAI meetings in Portland, OR.
- Sept., 2015 "Replicating Aschauer's (1989) Landmark Paper: "Is Public Expenditure Productive?" presented by C. A. Clarke at Eastern Washington State University.

- April, 2011 "International Capital Tax Competition in the Presence of Social Security." at Portland State University.
- Feb., 2004 "Public Inputs and the Private Economy: Some Conceptual and Policy-Theoretic Issues," with James Feehan and Christopher Annala, presented at the International Forum for Macroeconomic Issues held at the Economic and Social Research Institute, Tokyo, Japan. (Presented by James Feehan.)
- Feb., 2004 "Public Capital and the Private Economy: A Study of Japan," with Christopher Annala, presented at the International Forum for Macroeconomic Issues held at the Economic and Social Research Institute, Tokyo, Japan. (Presented by Christopher Annala.)
- Feb., 2003 "Public Infrastructure Support for Industry: Common Property versus Collective Property," with James Feehan, presented at the International Forum for Macroeconomic Issues held at the Economic and Social Research Institute, Tokyo, Japan. (Presented by James Feehan.)
- Feb., 2003 "The Impact of Public Inputs on the Private Economy: An empirical analysis of public capital, unemployment, and employment by sector," with Christopher Annala, presented at the International Forum for Macroeconomic Issues held at the Economic and Social Research Institute, Tokyo, Japan. (Presented by Christopher Annala.)
- Oct., 2002 "Public Infrastructure Support for Industry: Common Property versus Collective Property," with James Feehan, presented at the International Forum for Macroeconomic Issues held at the Brookings Institution, Washington D. C. (Presented by James Feehan.)
- Oct., 2002 "The Impact of Public Inputs on the Private Economy: An empirical analysis of public capital, unemployment, and employment by sector," with Christopher Annala, presented at the International Forum for Macroeconomic Issues held at the Brookings Institution, Washington D. C. (Presented by Christopher Annala.)
- July, 1998 "On the Long Run Effect of Public Capital on Aggregate Output: Estimation and Sensitivity Analysis," presented at the Western Economic Association International meetings in Lake Tahoe.
- August, 1997 "On the Long Run Effects of Public Capital and Disaggregated Public Capital, presented at the International Institute of Public Finance annual conference, Kyoto, Japan.
- August, 1997 Discussant for a paper entitled, "Public Inputs and Optimal Provision of the Hicksian Variety," by James Feehan, presented at the International Institute of Public Finance annual conference, Kyoto, Japan.
- July, 1997 "A Dynamic Empirical Model of the Services Tax Base, presented at the Western Economic Association International meetings in Seattle.
- July, 1997 Discussant for a paper entitled, "Financing Local Governments with Diverse Capacities," by Rafael Gamboa, at the Western Economic Association International meetings in Seattle.
- July, 1996 "Tax Elasticity Estimates and the Stability of Taxes in the state of Washington," at the Western Economic Association International meetings in San Francisco.

- July, 1995 "Debt and International Public Goods With and Without Prohibitive Capital Controls," presented at the Western Economic Association International meetings in Vancouver B.C.
- July, 1995 Discussant for a paper entitled, "Intergenerational Altruism: A Darwinian Approach," by Professor Bruce Linstler, U.S. Air Force Academy - Colorado, at the Western Economic Association International meetings in Vancouver B.C.
- July, 1995 Discussant for a paper entitled, "The Development of the Demand for Intoxicating Substances," by Professor Rosalie Pacula, Duke University, at the Western Economic Association International meetings in Vancouver B.C.
- Jan, 1994 Discussant for "In-kind transfers, self-selection and optimal tax policy," by Helmuth Cremer and Firouz Ghavari, The Econometric Society meetings, Boston, MA.
- June, 1993 "On the Taxation of Foreign Direct Investment in Fixed Supply and Potential Retaliation," The Western Economic Association International Conference, Lake Tahoe, NV.
- June, 1993 Discussant for "On Financing the Enforcement of Illegal Immigration Laws," by Gabriella Bucci (DePaul University) and Rafael Tenorio (University of Notre Dame), The Western Economic Association International Conference, Lake Tahoe, NV.
- Feb., 1993 "On the Taxation of Foreign Direct Investment in Fixed Supply, Department of Economics, Osaka University.
- Feb., 1991 "The Consumption Tax in Different Models of Bequeathing Behavior," Department of Economics, Purdue University.
- Jan., 1991 "International Transmission Effects of Consumption Taxation," with Toshihiro Ihori, Osaka University, NBER-TCER Conference on "Fiscal Policies in an Open Macro Economy," Tokyo, Japan, (Presented by Toshihiro Ihori).
- April, 1990. "On the Time Consistency of the Income Tax," Department of Economics, Purdue University.
- March, 1990. "On the Time Consistency of the Income Tax," The Midwest Economics Association meetings, Chicago, Illinois.
- Dec., 1989. Discussant for "Uncertain Lifetime, the Annuity Market, and Estate Taxation," by Professor Sheng Cheng Hu, Purdue University, The National Tax Association meetings in association with the ASSA meetings, Atlanta, GA.
- June, 1989. "The Optimal Taxation of Interest and Labor Income in the Presence of a Distorting Social Security Program," The Western Economics Association Meetings, Lake Tahoe, NV.
- April, 1989. "The Social Cost of a Public Good When the Income Tax System is Time Inconsistent," Department of Economics, Indiana University.
- July, 1987. "Proposed Tax Structure Changes in Washington State," Robert Berney and Raymond G. Batina, presented at the Western Tax Association meetings in Vancouver, B.C.
- July, 1987. "Social Security, Horizontal Equity, and Differential Survival Rates by Gender," The Western Economic Association meetings, Vancouver, B. C.
- July, 1987. "The Effects of Social Security in a Life Cycle Family Labor Supply Simulation Model," co-authored with Professor Ben Craig, Indiana University, The Western Economic Association meetings, Vancouver, B.C., (Presented by Ben Craig).

- March, 1985. "The Neutrality of the Consumption Tax When Population Growth is Endogenous and Bequests Exist," Department of Economics, University of Connecticut.
- Feb., 1985. "The Neutrality of the Consumption Tax When Population Growth is Endogenous and Bequests Exist," Department of Economics, Washington State University.

### ***Outreach (examples)***

Spring, 2010, advisor for an article entitled, "An implosion of good intentions: A bank's ride from customer favorite to industry failure," by Holly Smith Peterson. *Business Examiner*, published March 22, 2010.

Summer, 2009, advisor for an article entitled, "Hastings concerned about pace of government spending," by Michele Dupler, *TriCity Herald*, on government deficits, published 6/30/09.

Fall, 2008, advisor for an article entitled, "WSU Prof Offers Insights on Meltdown," by William L. Spence, *Lewiston Tribune*, on the financial meltdown of the economy, published 12/28/08.

### ***Refereeing***

American Economic Review, International Economic Review, The Economic Journal, European Economic Review, Journal of Economic Dynamics and Control, Oxford Economic Papers, The Scandinavian Journal of Economics, Japanese Economic Review, Economic Studies Quarterly, Economic Record, Canadian Journal of Economics, Journal of Public Economics, Regional Science and Urban Economics, International Tax and Public Finance, Journal of Public Economic Theory, Public Finance, Public Finance Review, Journal of Environmental Economics and Management, Public Finance and Management, Economic Bulletin, the Journal of Cleaner Production.

### ***Textbook Reviews***

Principles of Public Finance by Toshihiro Ihuri, Springer-Verlag, 2016.

Public Finance by Laurence Seidman, McGraw-Hill, 2007.

Money, Banking, and Financial Markets, by Stephen Cecchetti, McGraw-Hill, 2005, 2006.

Public Finance and Public Policy by Jonathan Gruber, Worth Publishers, 2004.

Microeconomics by Jeffrey Perloff, Addison-Wesley, 2001.

### ***Recent Memberships***

American Economic Association, Royal Economic Society, International Institute of Public Finance, National Tax Association, Western Economic Association International, Midwest Economic Association.

### ***Ph.D Student Committees***

Ilhoon Choi, member.

Casey Bolt, member, 2022.

Christopher Clarke, 2020, Chair.

Ryne Rohla, 2019, member.

Parichat Klingthorn, 2017, Chair.

Kwanyoung Lee, member.

Xichao Wang, 2015, Member.

Charles James, 2013, ABD, Chair.  
Drew Hanks, 2010, ABD, Co-Chair.  
William Lindsay, 2009, Member.  
Thomas Flottemesch, 2003, Chair.  
Daechang Kang, 2003, Chair.  
Brett Crow, 2003, Member.  
Richard Nelson, 2003, Member.  
Christopher Annala, 2000, Chair.  
Paul Dion, 1994, Chair.  
Gangsun Rhee, 1994, Chair.  
Shilin Hu, 1993, Chair.  
Sunyoung Hong, 1992, Member.  
Dipanker Purkayastha, 1990, Member.  
Roberto Garrido, 1990, Member.  
Murat Genc, 1989, Member.

### ***Courses Taught***

Graduate Public Economics  
Graduate Macroeconomic Theory  
Graduate Microeconomic Theory  
Intermediate Public Economics  
Intermediate Monetary Theory and Policy  
Intermediate Microeconomics  
Online Intermediate Microeconomics  
Online Public Economics  
Online Monetary Theory and Policy  
Intermediate Money and Banking

### ***University, College, and Department Committee Assignments***

Awards Committee, SES 2019 - present, chair.  
Visiting Speaker - Seminar Committee, SES, 2017.  
Pay it Forward Committee, 2010-present.  
Web Page Committee, SES, 2010-2018.  
Awards Committee, SES, 2012, chair.  
Awards Committee, SES, 2010-12.  
Undergraduate Studies Committee, 2009, School of Economic Sciences  
Ad Hoc Advisory Committee on the State of the Economy for Elson Floyd, President, WSU,  
2008 – 2009.  
Search Committee, 2007, School of Economic Sciences.  
Awards Committee, 2007, CAHNRS.  
Mentor Committee, 2006 - present, School of Economic Sciences  
Graduate Studies Committee, 2005 - 2007, School of Economic Sciences.  
Macroeconomics Core Examination Committee, member, 2008 - 2014, School of Economic  
Sciences.  
Macroeconomics Core Examination Committee, chair, 2004 - 2008, School of Economic

Sciences.

- Task Force: Teaching evaluation instrument for virtual classes, Department of Economics, Washington State University, chairperson, 2003.
- Data Committee, Department of Economics, Washington State University, chairperson, 2003.
- Curriculum Committee, College of Business and Economics, Washington State University, chair, January, 1998 - April, 1999.
- Curriculum Review Committee, member, 1998 - Spring, 1999.
- University Task Force to study the funding of the Student Health and Wellness Services, Washington State University, member, 1997-1998.
- Curriculum Committee, College of Business and Economics, Washington State University, member, 1993 - 1998.
- Macroeconomics Core Examinations Committee, 1994 - 2004, Economics Department.
- Search Committee, Economics Department, chair, Macro Search Committee, 1996.
- Faculty Senator, Washington State University, fall, 1994 - spring, 1996.
- Strategic Planning Committee, College of Business and Economics, Washington State University, member, 1993 - 1995.
- Graduate Program Committee, Economics Department, member, 1993 - 2002.
- Undergraduate Program Committee, Economics Department, member, 1990 - 1991, Co-chair (with John Donnelly), 1991 - 1992. Helped develop a reform of the Undergraduate Economics Curriculum, 1992.
- Visiting Speakers Committee, Economics Department, Co-chair (with Stu Thiel), 1988-1989.
- Visiting Speakers Committee, Economics Department, member, 1987 - 1988.
- Search Committee, Economics Department, member, 1985 - 1989, 1995, 1996, 1999, 2001.