

# YORAM BAUMAN

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## EDUCATION

**University of Washington** *PhD, economics* June 2003

Fields: environmental economics, public finance

Other interests: health economics, game theory, economics education

Dissertation: “The Effects of Environmental Policy on Technological Change in Pollution Control”; committee members Robert Halvorsen (Chair), Gardner Brown, Neil Bruce

**University of Washington** *MA, economics* Dec. 2000

**Reed College** *BA, mathematics* May 1995

Thesis: “The Abelian Group Structure on Elliptic Curves Saved My Life!”

## EMPLOYMENT

**UIBE (Beijing)** July–Nov 2011

*Visiting research scholar* I will be engaged in research and teaching relating to climate change economics and carbon taxes at the Global Institute of Low Carbon Economy, part of the School of International Trade and Economics at **UIBE** (University of International Business and Economics) in Beijing. I will be working with Professor WANG Bo and Dean ZHAO Zhongxiu.

**University of Washington** 2006–Present

*Lecturer* Part of an interdisciplinary team teaching environmental studies and environmental economics in the UW Program on the Environment

**Stand-up economist** 2004–Present

*American Economic Association humor session, N.Y. Improv, etc.* Performances worldwide as “the world’s first and only stand-up economist”; also the co-author of *The Cartoon Introduction to Economics*

**Economics faculty** 2004–2009

Part-time positions at Lakeside High School (2007-09), Bainbridge Graduate Institute (2006–09), plus a visiting position teaching principles, health econ, game theory, and entitlement reform at Whitman College (2004-05)

**Economics consultant (self-employed)** Dec. 2005–2008  
*Cascadia Consulting, ECONorthwest, Climate Leadership Initiative*

**Washington State Department of Health** Jan. 2003–Aug. 2004  
*Agency economist* Worked with program staff on cost-benefit analyses and other aspects of rulemaking and regulatory policy

## TEACHING<sup>†</sup>

**Introduction to environmental studies** Part of an interdisciplinary team teaching introduction to environmental studies in the UW Program on the Environment; eleven quarters fall 2006 through winter 2012

**Introduction to environmental economics** Offered jointly by the UW economics department and the Program on the Environment; three quarters winter 2008 through summer 2010

**Principles and intermediate microeconomics** Classes at University of Washington, Whitman College, Lakeside High School, and Bainbridge Graduate Institute

**Health economics, game theory, entitlement reform** Designed and taught courses at Whitman College

**Introduction to L<sup>A</sup>T<sub>E</sub>X** Volunteer instructor for (and designer of) courses in L<sup>A</sup>T<sub>E</sub>X typesetting for fellow economics graduate students at the University of Washington

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<sup>†</sup>Teaching evaluations and portfolio available upon request

## PUBLICATIONS

### Books and reports

*The Cartoon Introduction to Economics, Volume One:  
Microeconomics* (with Grady Klein)  
New York: Farrar Straus Giroux, 2010

The follow-up *Macroeconomics* is due out in early 2012; *Microeconomics* has foreign translations contracted for Japan, China, Taiwan, Korea, Italy, Germany, Poland, and Indonesia. Excerpts at <http://www.standupeconomist.com/books>

*Quantum Microeconomics*  
web-published, 2001 and ongoing revisions

An introductory microeconomics textbook (and a calculus-based intermediate microeconomics textbook) that begins by studying the individual (the “quantum” of economics) and builds up to analyses of game theory and competitive markets; available at <http://www.standupeconomist.com/books>

*Impacts of Climate Change on Washington’s Economy:  
A Preliminary Assessment of Risks and Opportunities*  
(with Bob Doppelt, Sarah Mazze, and Edward C. Wolf)  
Olympia, Wash.: Washington State Departments of Ecology and  
CTED, Publication No. 07-01-010, Nov. 2006

This report focuses on the projected economic impacts of climate change in the first half of the 21st century in economic sectors including agriculture, forestry, hydropower, municipal water use, public health, and snow sports; it also discusses possible economic opportunities, e.g., from “green” technologies. Full text at [http://www.ecy.wa.gov/climatechange/economic\\_impacts.htm](http://www.ecy.wa.gov/climatechange/economic_impacts.htm)

*Tax Shift* (with Alan Durning)  
Seattle: Sightline Institute, 1998

A study of environmental tax reform opportunities in the Pacific Northwest; more information and full text at <http://sightline.org/publications/books/tax-shift/tax>

## Published journal articles, comments, and book reviews

“Selection or indoctrination: Why do economics students donate less than the rest?”<sup>‡</sup>

Forthcoming, *Journal of Economic Behavior and Organization*

Prior research suggests that economists are less generous than other professionals and that economics students are less generous than other students. We address this question using administrative data on donations to social programs by students at the University of Washington; we find that there is a selection effect for economics majors and that there is an indoctrination effect for non-majors but not for majors.

“Comment on Nordhaus: Carbon Tax Calculations”

*The Economists’ Voice*, 2010

Available at <http://www.bepress.com/ev/vol7/iss4/art4>

“Book review: *Can we afford the future?*”

*Nature Reports Climate Change*, 2009

Available at <http://www.nature.com/climate/2009/0902/full/climate.2009.4.html>

“Does Technological Innovation Really Reduce Marginal Abatement Costs? Some Theory, Algebraic Evidence, and Policy Implications”<sup>§</sup>

*Environmental and Resource Economics*, 40: 507–27, 2008

Shows theoretically and empirically (using data from the Korean electric power industry) that pollution-reducing innovations that affect the production process can *raise* marginal abatement costs

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<sup>‡</sup>By Yoram Bauman and Elaina Rose

<sup>§</sup>By Yoram Bauman, Myunghun Lee and Karl Seeley

“A Preference for an Aggregate Measure: A Reply to Sagoff”<sup>¶</sup>  
*Ecological Economics* 60: 14–16, 2006

Reply to a comment on our *Ecological Economics* paper (cited below).

“An Aggregate Measure for Benefit Cost Analysis”<sup>¶</sup>  
*Ecological Economics* 58: 449–61, 2006

Describes an alternative to the Kaldor-Hicks criterion that better addresses issues concerning altruism and other moral sentiments. A similar version appears in *Research in Law and Economics* 23: 223–46 (2007).

“Shipping the Good Apples Out: A New Perspective”  
*Economic Inquiry* 42: 534–36, 2004

Re-evaluates the Alchian and Allen “substitution theorem” prediction that the ratio of good apples to bad apples will be higher in apple-importing states than in apple-exporting states

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<sup>¶</sup>By Richard Zerbe, Yoram Bauman, and Aaron Finkle. The comment is Mark Sagoff, “An aggregate measure of what? A reply to Zerbe, Bauman, and Finkle”, *Ecological Economics* 60: 9–13, 2006.

## WORKING PAPERS

“Should the climate tail wag the policy dog?”<sup>||</sup>

Submitted, January 2011

This paper examines the climate science and economics of the small but stubbornly unyielding “fat tail” possibility of a very large long-term response of global temperature to increases in atmospheric carbon dioxide.

“Economic Impacts of Climate Change on Dairy Production in the United States”<sup>\*\*</sup>

August 2010

Dairy cows are sensitive to excessive temperature and humidity, so we use down-scaled climate data and county-specific dairy industry data to estimate Holstein milk production losses in the coterminous United States. All else equal, we project that climate impacts will reduce end-of-century milk production per cow in the U.S. by 4.5% relative to the historical period.

“Estimating carbon emissions from university air travel”<sup>††</sup>

March 2010

The American College & University Presidents’ Climate Commitment (ACUPCC) Implementation Guide recommends using a figure of 25 cents per mile when estimating air-travel-related carbon emissions from university budget data. We use a sample of actual 2007-09 air travel data from the University of Washington to arrive at an estimate of 13.44 cents per mile, an estimate that is statistically indistinguishable from national data provided by the Air Transport Association (ATA).

## PERSONAL

**Birthplace** San Francisco, California

**Languages** Spanish (advanced), Chinese (basic)

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<sup>||</sup>By Gerard H. Roe and Yoram Bauman

<sup>\*\*</sup>By Yoram Bauman, Eric P. Salathé Jr., and Guillaume S. Mauger

<sup>††</sup>By Yoram Bauman, David Corrado, Brady Voves, and Tad Anderson