

Anindya Sen
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EDUCATION

- 1998 Ph.D., Economics, University of Toronto. Fields of Research and Teaching
 Interests: Public & Health Economics, Law & Economics, Industrial Organization.
- 1992 M.A., Economics, Concordia University
- 1990 B.A. (Hons.), Economics, University of Delhi

Dissertation Title: Dissertation Title: “An Empirical Analysis of Traffic Safety Laws in Canada.”

Post PhD Employment (other than at Waterloo)

June 1998 - Aug. 1999: Economist, Competition Bureau, Federal Government of Canada

Employment at Waterloo

June 2014 to Present: Professor of Economics

Sept. 2005 to May 2014: Associate Professor of Economics (with tenure), University of Waterloo

Sept. 1999 to May 2005: Assistant Professor of Economics, University of Waterloo

Visiting Positions

Jan. 2006 to May 2006: Visiting Associate Professor, Department of Economics, McMaster
University

Awards & Honors

- Research Fellow, C.D. Howe Institute of Canada
- University of Waterloo Distinguished Teaching Award, 2014
- University of Waterloo Faculty Outstanding Performance Award for contribution to Teaching & Scholarship, 2010 & 2013 & 2016
- Distinguished Teacher of the Year Award, 2004; given by the students of the Economics Society.
- Nominee, University Distinguished Teacher of the Year Award, 2004

Grants

External

- Co-Investigator with Tao Chen, “Estimating a Structural Model of Crime”, SSHRC Insight Development Grant (\$44,850), Principal Investigator Phil Curry
- Co-Investigator, “Canadian Partnership on Public Policy-Oriented Consumer Interest Research”, SSHRC Partnership Development Grant, (\$200,000), 06/14 – 06/17
- Principal Investigator (with Emma Pierard), “Maternal Smoking, Infant Birth Weight, and Cigarette Taxes”, SSHRC Standard Research Grant, (\$30, 000), 07/07 – 07/09
- Co-investigator, “Improving Access to Canadian Smoking Data”, Canadian Tobacco Research Initiative, (\$1,500,000). 08/04-08/09
- Co-Investigator, “Improving the Population Impact of Telephone Counselling for the Treatment of Smoking”, Heart and Stroke Foundation, (\$1,209,618) 08/01-06/06.

Internal

- Internal SSHRC 4A Award (\$5,000), 2006-2007
- CBRPE Faculty Award (\$20,000), 2001-03
- New Faculty Research Award (\$5,000), University of Waterloo, 2000

Research Contracts

- “Estimating the Effects of Global Adjustment on Electricity Consumption by Class A Customers”, A Report Submitted to the Market Surveillance Panel of Ontario (\$15,000), 2013.
- “Demand-Pull Technological Opportunities in the Development of Unconventional Natural Gas from Shale: The Prospects for Atlantic Canada”, A Report for the Institute for Research on Public Policy and Public Administration (\$10,000), University of Moncton, 2013.
- “Market Structure and Wages: Evidence from the Canadian Manufacturing Sector”, A Report Submitted to Industry Canada (\$15,000), 2007
- “Productivity, Concentration, and Free Trade: Empirical Evidence from the Canadian Manufacturing Sector”, A Report Submitted to Industry Canada (\$15,000), 2005

PUBLICATIONS

1. Sen, Anindya and Kate Rybczynski, “Employment Effects of the Minimum Wage: Panel Data Evidence from Canadian Provinces”, forthcoming, *Contemporary Economic Policy*
2. Sen, Anindya, “Peak power problems: How Ontario’s industrial electricity pricing system hurts consumers”, *The Electricity Journal*, Volume 30, Issue 1, January–February 2017, Pages 62–67.
3. Zhiqi Chen, Horatiu A. Rus and Anindya Sen (2016), "Border Effects Before and After 9/11: Panel Data Evidence Across Industries", *The World Economy*, Volume 39, Issue 10, pp. 1455–1672(pages 1456–1481) (LEAD ARTICLE)
4. Sen, Anindya, (2016) “Is Retail Alcohol Deregulation Correlated with more Crime and Traffic Injuries? Evidence from Canadian Provinces.”, *Canadian Journal of Criminal Justice*, Vol. 58, No. 2, DOI: 10.3138/cjccj.20160304
5. Sen, Anindya, George Orlov and Phil Curry. “Estimating the effects of more police officers on crime: cross-province and time-series evidence from Canada.” *Canadian Journal of Economics* 49(2): 481-514 · May 2016
6. Bauer, Andrew M. (40%) and Macnaughton, Alan (30%) and Sen, Anindya (30%), “Income Splitting and Anti-Avoidance Legislation: Evidence from the Canadian 'Kiddie Tax' “ (October 20, 2014). Forthcoming, *International Tax and Public Finance* (DOI: 10.1007/s10797-014-9342-z). Available at SSRN: <http://ssrn.com/abstract=2497586>
7. Sen, Anindya (40%), Ariizumi, Hideki (40%), and Natasha De Sousa (20%), “How Do We Reward Ourselves? Evidence on the Returns to Publications”, 40(1), *Canadian Public Policy*, March 2014, pp. 1-14.
8. Packelen, Mikko (50%), and Anindya Sen (50%), “Static and Dynamic Merger Effects: A Market Share Based Empirical Analysis”, *International Review of Law and Economics*, 2013, 36(1), pp. 12–24.
9. Sen, Anindya (50%) & Hideki Ariizumi (50%), “Teen Families, Welfare Transfers, and the Minimum Wage: Evidence from Canada”, *Canadian Journal of Economics*, 2013, 46(1), pp. 338-360.
10. Sen, Anindya (40%), Anthony Clemente (30%), and Linda Jonker (30%), “Retail Gasoline Price Ceilings and Regulatory Capture: Evidence from Canada”, *American Law & Economics Review*, 2011, 13(2), pp. 532-564.

11. Choi, Wai Hong (40%), Sen, Anindya (40%) & Adam White (20%), “Response of Industrial Customers to Hourly Pricing in Ontario’s Deregulated Electricity Market”, *Journal of Regulatory Economics*, 2011, 40(3), pp. 303-323.
12. Sen, Anindya (50%) and with Emmanuelle Pierard (50%), “Estimating the Effects of Cigarette Taxes on Birth Outcomes”, *Canadian Public Policy*, 2011, 37(2), pp. 257-276.
13. Rybczynzki, Kathleen (40%), Sen, Anindya (30%) & Corey Van De Waal (30%), “Teen Employment, Poverty, and the Minimum Wage: Evidence from Canada”, *Labour Economics*, 2011, 18(1), pp. 36-47.
14. Sen, Anindya (60%) and Nafeez Fatima (40%), “Do Lower Cigarette Taxes Increase Smoking? Evidence from the Canadian National Experiment”, *Canadian Tax Journal*, 2011, 59(2).
15. Sen, Anindya (80%) and Tony Wirjanto (20%), “Estimating the Impact of Cigarette Taxes on Youth Smoking Participaton, Initiation, and Persistence: Evidence from Canada”, *Health Economics*, 2010, 9(11), pp. 1264-1280.
16. Sen, Anindya (70%) and Peter Townley (30%), “Estimating the Impacts of Outlet Rationalization on Retail Prices, Industry Concentration, and Sales: Empirical Evidence from Canadian Gasoline Markets”, *Journal of Economics and Management Strategy*, 2010, 19(3), pp. 605-633.
17. Sen, Anindya (40%) with Mahdiyeh Entezarkheir (30%) and Alan Wilson (30%), “Obesity, Smoking, and Cigarette Taxes: Evidence from the Canadian Community Health Surveys”, *Health Policy*, 2010, 97, pp.180–186.
18. Sen, Anindya (40%) with Hideki Ariizumi (40%) and Daciana Driambe (20%), “Do Changes In Cigarette Taxes Impact Youth Smoking? Evidence From Canadian Provinces”, *Forum of Health Economics and Policy*, 2010, 13(2).
19. Sen, Anindya (60%) and Anthony Clemente (40%), “Intergenerational Correlations in Educational Attainment: Birth Order and Family Size Effects from Canada”, *Economics of Education Review*, 2010, 29(1), pp. 147 – 155.
20. Sen, Anindya, “Estimating the Impacts of Household Behavior on Youth Smoking: Evidence from Ontario, Canada”, *Review of Economics of the Household*, 2009, 7(2), pp. 189-218.
21. Sen, Anindya (50%) and May Luong (50%), “Estimating The Impact Of Beer Prices On The Incidence Of Sexually Transmitted Diseases: Cross-Province And Time Series Evidence From Canada”, *Contemporary Economic Policy*, 2008, 26(4), pp. 505-517.

22. Sen, Anindya, “Does Increased Abortion Lead to Lower Crime? Evaluating the Relationship between Crime, Abortion, and Fertility”, *The B.E. Journal of Economic Analysis & Policy*, 7(1) (Topics), 2007.
23. Sen, Anindya (60%) and Brent Mizzen (40%), “Estimating the Impact of Seat Belt Use on Traffic Fatalities: Empirical Evidence from Canada”, *Canadian Public Policy*, 2007, 33(3), pp. 315-336.
24. Sen, Anindya, “Does Increasing the Market Share of Smaller Firms Result in Lower Prices?”, *Review of Industrial Organization*, 2005, 26(4), pp. 371-389.
25. Sen, Anindya, “Do Stricter Penalties or Media Publicity Reduce Alcohol Consumption by Drivers?”, *Canadian Public Policy*, 2005, 31(4), pp. 359-379.
26. Sen, Anindya, “Is Health Care a Luxury? New Evidence from OECD Data”, *International Journal of Health Care Finance and Economics*, 2005, 5(2), pp 147-164
27. Gruber, Jonathan (33%), Sen, Anindya (33%), and Mark Stabile (33%), “Estimating Price Elasticities When there is Smuggling: The Sensitivity of Smoking to Price in Canada”, *Journal of Health Economics*, 2003, 22(5), pp. 821-42.
28. Sen, Anindya, “Higher Prices at the Gas Pump: International Crude Oil Price Fluctuations or Local Market Concentration? An Empirical Investigation”, *Energy Economics*, 2003, 25(3), pp. 269-88.
29. Sen, Anindya (70%) and Ted Mallett (30%), “Does Local Competition Impact Interest Rates Charged on Small Business Loans? Empirical Evidence from Canada”, *Review of Industrial Organization*, 2001, 19(4), pp.435- 450.
30. Sen, Anindya, “An Empirical Test of the Offset Hypothesis”, *Journal of Law and Economics*, 2001, 44(2), pp.481-510.
31. Sen, Anindya, “Do Stricter Penalties Deter Drinking and Driving? An Empirical Investigation of Canadian Impaired Driving Laws”, *Canadian Journal of Economics*, 2001, 34(1), pp. 149-164.
32. Sen, Anindya, Ted Mallett, and Ruma Sondhi, “Jury Still Out on Internet Benefits: More Branches Keep Bank's Loan Rates Low”, *Canadian Business Economics* 8(3), February 2001, pp.21-29.

Submitted and Working Papers

1. Sen, Anindya, “Overshifting and Tax Incidence in Oligopolistic Industries: Evidence from the Canadian Cigarette Industry”
2. Jametti, Mario, Redonda, Agustin & Anindya Sen, “The Power to Pass on Taxes - A Test for Tax Shifting based on Observables”,
3. Sen, Anindya and Kathleen Rybczynski, “Employment Effects of Minimum Wage on Women and Immigrants”, in preparation for submission.
4. Sen, Anindya with Marcel-Cristian Voia & Frances R. Woolley, “Hot or Not: How Appearance Affects Earnings and Productivity in Academia”, in preparation for submission.

Other Non-Refereed Scholarly Work & Consulting Reports

1. Sen, Anindya, “An Economic Analysis of Increasing Competition in Retail Liquor Sales in Ontario”, conducted for the Ontario Convenience Store Association, profiled in <http://toronto.ctvnews.ca/private-alcohol-sales-could-lower-prices-increase-profits-study-1.1339657>
2. Sen, Anindya, “Will Greater Load Shifting by Industrials Result in Lower Electricity Prices for all? Evidence from Ontario, Canada,” conducted for the Association of Major Power Consumers (AMPCO) and submitted to the Ontario Energy Board, 2010. Available at http://www.rds.ontarioenergyboard.ca/webdrawer/webdrawer.dll/webdrawer/rec/211584/view/AMPCO_EVD_20100826.PDF.
3. Sen, Anindya with LECG Canada, “What Determines the Profitability of a Retail Gasoline Outlet? A Study for the Competition Bureau of Canada.”, submitted to the Competition Bureau, Industry Canada, 2006. This report led to a Toronto Star interview mentioned in http://www.thestar.com/business/2009/03/24/oil_merger_raises_fears_of_raw_deal_at_the_pump.html
4. Sen, Anindya with Peter Dungan and LECG LLC, “Estimating the Economic Benefits of the Marine Transport Industry in Canada”, submitted to Transport Canada, 2004.
5. Sen, Anindya with Poonam Puri and LECG LLC, “A Cost Benefit Analysis of the Multi-Jurisdictional Disclosure System”, report for the Ontario Securities Commission, 2003. Available at <https://apps.osgoode.yorku.ca/osgmedia.nsf/0/1D216EBEABA2FCFA852571CC005960>

68/\$FILE/Cost_Benefit_MJDS.pdf.

6. Sen, Anindya, “Estimating the Impact of Mergers among Bread Manufacturers in Canada”, report for the Competition Bureau, Industry Canada, 2001.
7. Sen, Anindya, “Competition and Gasoline Prices in Eastern Canada”, report for the Competition Bureau, Industry Canada, 2000.
8. Sen, Anindya, “Will Stricter Penalties Deter Drunk Driving?”, *Policy Options* , 1999, 20(7), pp. 54-57. (First submitted June 1999)

GENERAL MEDIA COMMENTARY & COVERAGE OF RESEARCH

1. Sen, Anindya (2016) “Federal pot report still leaves a lot of haze in the air”, commentary published by the Financial Post and available at <http://business.financialpost.com/fp-comment/anindya-sen-federal-pot-report-still-leaves-a-lot-of-haze-in-the-air>.
2. Sen, Anindya (2016) “The increasing costs of apathy towards marijuana legalization”, commentary released by the C.D. Howe Institute and available at <https://www.cdhowe.org/intelligence-memos/anindya-sen-increasing-costs-apaty-towards-marijuana-legalization>.
3. Sen, Anindya, (2016) “High Standards: A Blueprint for the Marijuana Market in Canada, ”, commissioned by the C.D. Howe Institute and profiled in Globe and Mail (<http://www.theglobeandmail.com/news/politics/marijuana-laws-should-vary-by-province-report-says/article29684075/>)
4. Sen, Anindya and Ben Dachis, “Deep-6 the High-5 Ontario electricity program”, published on July 24th 2015 by the Financial Post and available at <http://business.financialpost.com/fp-comment/deep-6-the-high-5-electricity-program>.
5. Sen, Anindya and Paul Masson 2014, “Uncorking a strange brew the need for more competition in Ontario’s alcoholic beverage retailing system”, commissioned by the C.D. Howe Institute. Profiled in Globe and Mail (<http://www.theglobeandmail.com/report-on-business/ontario-government-losing-money-from-liquor-monopoly-study-says/article20130767/>), (<http://www.theglobeandmail.com/globe-debate/beer-and-wine-in-ontario-will-consumers-prevail/article20231633/>) and the Toronto Star (http://www.thestar.com/opinion/commentary/2014/08/20/time_for_queens_park_to_open_up_beer_and_wine_sales.html) and various media

PRESENTATION OF RESEARCH

At Conferences

International Industrial Organization Society Meetings, 2013; Canadian Public Economics Study Group, 2013, 2011; Society of Labor Economists, 2011; Canadian Economics Association Meetings, 2013, 2012, 2009, 2007, 2006, 2005, 2004, 2003, 2002; Canadian Health Economics Study Group, 2008; Interdisciplinary Conference Sponsored by the National Cancer Institute of Canada, University of Waterloo, 2001; Canadian Law and Economics Association Meeting, 2012, 2009, 2003, 2000, 1999; International Health Economics Association Meetings, 2001; International Business and Economics Society Meetings, 1999; Canadian Transport Research Forum Meetings, 1999.

Invited Presentations at Universities

2016 Wilfrid Laurier University

2010 University of Guelph

2009 University of Windsor, Carleton University

2007 McMaster University, University of Toronto, York University

2005 University of Western Ontario

2004 University of Guelph, McMaster University.

2001 Ryerson University, York University, University of Toronto, University of Western Ontario.

2000 McMaster University, Faculty of Health Studies, University of Waterloo.

Graduate Supervision

PhD

Hang Gao, “Essays in Education and Labour Economics” (ongoing)

Ghazal Memartoulie, “Essays in Electricity Restructuring in Ontario” (ongoing)

Behnoush Amery, “Essays in Education, Signaling, and Consumption.” Primary Supervisor, Summer 2015.

Mohammad Ghaziasagar, “Consumption and Savings: Evidence from the Surveys of Household Savings.” Co-Supervisor, summer 2016.

Mauricio Zelaya, “Essays in Political Regime Transitions, Economic Growth, and Foreign Direct Investments.” 2014, Primary Supervisor

Wai Hong Choi, “Essays in Retail Competition and Prices.”, 2013, Primary Supervisor

Mahdiyeh Entezarkheir, “Essays on Innovation, Patents, and Econometrics”, 2010. Committee Member

Andrew Bauer, “Internal Control Quality as an Explanatory Factor of Tax Avoidance”, 2011. Committee Member.

Yutao Li, “Accounting Conservatism and the Consequences of Covenant Violations”, 2011. Committee Member

MA Major Research Paper (Economics)

Josh Osika, “Health Differences between Northern and Southern Ontario”, 2014

Samantha St. Amand, “The Internet and Cross-Country Trends in Sexual Crimes”, 2013

Brian Stewart, “Self-Reported Happiness and Government Spending: Evidence from Pooled Cross-sections”, 2013

Sina Kabjaf, “Business Cycles and trends in Media Use”, 2011.

Jason Chang, “Minimum Wage and Youth Employment”, 2008.

Masters of Public Service Major Group Research Paper

Michelle D’Sa, Curtis Hoff, Carleigh Jackson, and Sean Peterson, “Too Much Cheddar? An Analysis of the Impact of CETA on the Canadian Dairy Industry Team Members”, 2016.

Edward Cabrera, Keegan Fillion, Jordan Hughes, Nick Petroff, Jerry Tong, “Ontario’s Global Adjustment and the Impacts of Renewable Energy Initiatives: What Goes Up, Must Come Down”, 2016.

Julia Ali, Trevor Anderson, Michelle Sandler, and Skyler M. Warren, “Lessons for Ontario’s Proposed Cap and Trade Program”, 2016.

Deidre Beintema, Tara Bucholtz, Nicci Frantz & Whitney Philippi, “The Buck Stops Where: A Report on the Canada-U.S. Price Gap”, 2015

George Boshnakis, Daniel Hann, Bradley Merklinger, Henry Wong “A Collision Course in Fairness: Ontario’s Auto Insurance System”, 2015

Khanh Dang, Joshua Murray, Aishah Butt, and John Johnston “Smart Growth Implementation”, 2014

Zenia Ferreira, Alexa Maxwell, Elizabeth Philips, Julia Turkheim, Jessie Xiong, “The Canadian Skills Gap”, 2014

Tracy Suerich, Wang Weigang, Irfan Gova, and Ashish Sharma, “Old Age Security in Canada”, 2013.

Thomas Barakat, Mir Islam, Andrea Peebles, Daniel Prelipcean, Jianming Yao, “International Education and Skilled Immigration in Canada: A Comparative Approach”, 2013.

Kayla McKinnon, Matthew Johnson, Amy Ross, Brady Olsen, “An Exploration of Priority Care for Ontario’s Seniors”, 2012.

Stephanie Lake, Shoaib Mirza, Kate Ryan, Harmony Sluiman, “Exploring the Determinants of Youth Crime”, 2012.

Alexandra Hick, Lise Kay and Ben Schnitzer, “Regulatory Reform and the Provision of Public Goods”, 2012.

Alana Del Greco, Dima Omar; Sinan Mohatarem, Jessica Mok, “Ontario’s Healthcare System Future: Policy Implications Associated with the Continuing Physician Shortage”, 2012.

Ashfaque Ahmad, Patience Mensah, “Child Care in Ontario”, 2011.

SERVICE

Departmental

Associate Chair of Graduate Studies, 2011-2015

Recruiting Committee, 2010

Promotions and Tenure Committee, 2008-2010

Director, Seminar Series, 2000-01, 2003-04

Member, Graduate Committee, 2012, 2011, 2010, 2009, 1999-2005 – part of committee that designed and introduced the Ph.D. program

Member, Undergraduate Committee, 2008

Faculty

Director, Master of Public Service Program 2015-

Member, Faculty of Arts Task Force on Teaching, 2012-2013

Member, Committee that designed Masters of Public Service program

Professional

Journal Referee (about 20 articles over past five years)

Journal of Political Economy, Economic Journal, National Tax Journal, Energy Journal, Energy Economics, Canadian Journal of Economics, Journal of Health Economics, Journal of Public Economics, Review of Industrial Organization, Journal of Risk and Insurance, Economic Inquiry, Social Science and Medicine, Journal of Policy Analysis and Management, Contemporary Economic Policy, Southern Economic Journal, Canadian Public Policy, Journal of Human

Resources, Health Policy.

Other (past five years)

External Evaluator of three doctoral dissertations at the University of Toronto and Western University

Evaluator of six SSHRC proposals