

CURRICULUM VITAE

Roy Allen

1. Personal Information

Department of Economics
Social Science Centre
University of Western Ontario
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Citizenship: United States and Canada Permanent Resident

Current Position

Assistant Professor,
Department of Economics
University of Western Ontario

Major Fields of Concentration

Econometrics

Education

Degree	Field	Institution	Year
Ph.D.	Economics	University of California, San Diego	2017
B.A.	Economics	Swarthmore College	2010

Dissertation

Title: "Essays on Identification"
Committee: Ivana Komunjer, Andres Santos, Yixiao Sun, Ery Arias-Castro, Jelena Bradic
Completion Date: June 2017

Academic and Professional Experience

2017 – Present Assistant Professor, Department of Economics, The University of Western Ontario

Academic Honors and Awards

2020 John Charles Polanyi Prize, awarded each year to one early career Ontario researcher in Economic Science, University of Western Ontario

2015-2016 Clive Granger Fellowship, University of California, San Diego, awarded yearly for the most promising graduate student research

2010 Phi Beta Kappa, Swarthmore College, awarded to the top 15% of the graduating class.

2010 Adams Prize in Economics, Swarthmore College Economics Department, awarded to the best research project in Honors Econometrics

2010 The Sarah Maurer Graham '77 Scholarship, Swarthmore College

2008-2010 Martin Ostwald Scholarship, Swarthmore College

2. Research and Scholarly Activities

Publications

(i) Articles in Refereed Journals

Accepted and Published Papers

Aguiar, Victor H., Nail Kashaev, and Roy Allen. 2023. “Prices, Profits, Proxies, and Production,” *Journal of Econometrics*, 235(2): 666-693. (Equal co-authorship)

Allen, Roy and John Rehbeck. 2023. “Revealed Stochastic Choice with Attributes,” *Economic Theory* 75(1): 91-112. (Formerly: “Stochastic Choice with Observable Characteristics.”) (Equal co-authorship)

Allen, Roy and John Rehbeck. 2022. “Latent Complementarity in Bundles Models,” *Journal of Econometrics* 228(2): 322-341. (Equal co-authorship)

Allen, Roy. 2022. “Injectivity and the Law of Demand,” *Economics Letters* 215, 110496.

- Allen, Roy, Pawel Dziewulski, and John Rehbeck. 2022. "Making Sense of Monkey Business: Reexamining Tests of Animal Rationality," *Journal of Economic Behavior and Organization* 196: 220-228. (Equal co-authorship)
- Allen, Roy and John Rehbeck. 2021. "Measuring Rationality: Percentages vs Expenditures," *Theory and Decision* 91: 265-277. (Equal co-authorship)
- Allen, Roy and John Rehbeck. 2021. "A Generalization of Quantal Response Equilibrium via Perturbed Utility," *Games* 12(1): 20. (Equal co-authorship)
- Allen, Roy and John Rehbeck. 2020. "Hicksian Complementarity and Perturbed Utility Models," *Economic Theory Bulletin* 8(2): 245-261. (Equal co-authorship)
- Allen, Roy and John Rehbeck. 2019. "Identification with Additively Separable Heterogeneity," *Econometrica*, 87(3): 1021-1054. (Equal co-authorship)
- Allen, Roy. 2018. "Testing Moment Inequalities: Selection versus Recentering," *Economics Letters* 162(Complete): 124-126.
- Allen, Roy, Joshua Graff Zivin, and Jeffrey Shrader. 2016. "Forecasting in the Presence of Expectations," *The European Physical Journal Special Topics* 225(3): 539-550. (Equal co-authorship)

Unpublished Work

(i) Articles Currently under Review at Refereed Journals

- Allen, Roy and John Rehbeck. "Obstacles to Redistribution Through Markets," resubmitted to the *Economic Theory Bulletin*. (Equal co-authorship)
- Allen, Roy, Pawel Dziewulski, and John Rehbeck. "Revealed Statistical Consumer Theory," resubmitted to *Economic Theory*. (Equal co-authorship)
- Allen, Roy and John Rehbeck. "Identification of Random Coefficient Latent Utility Models," resubmitted to *Quantitative Economics*. (Equal co-authorship)

(ii) Articles Currently under Revision

- Allen, Roy and John Rehbeck. "Satisficing, Aggregation, and Quasilinear Utility," revise and resubmit to *Quantitative Economics*. (Formerly: "Assessing Misspecification and Aggregation for Structured Preferences") (Equal co-authorship)

(iii) Working Papers

- Allen, Roy and John Rehbeck "Latent Utility and Permutation Invariance: A Revealed Preference Approach." (Formerly: "Latent Utility Models with Invariance Conditions") (Equal co-authorship)

Allen, Roy and John Rehbeck. “A Pragmatic Measure of Cardinal Choice Consistency.” (Equal co-authorship)

Allen, Roy and John Rehbeck “Counterfactual and Welfare Analysis with an Approximate Model.” (Equal co-authorship)

(iv) Work in Progress

Allen, Roy. Exogenous Consideration and the Extended Additive Random Utility Model.

Allen, Roy. Optimal Consideration, Nested Logits, and Perturbed Utility.

Allen Roy and John Rehbeck. Semiparametric Estimation of Perturbed Utility Models. (Equal co-authorship)

Research Grants

2020 - 2024 “Increasing the Transparency and Robustness of Demand Analysis”

Role: Principal Investigator

Grant: Insight Development Grant

Grantor: Social Sciences and Humanities Research Council

Amount: \$45,198.00 CAD

Responsibilities: Full responsibility

2017 - 2019 “An Empirical Framework for Approximate Models”

Role: Principal Investigator

Grant: Faculty Research Development Fund – Research Grants

Grantor: Faculty of Social Science

Amount: \$8,820.00 CDN

Responsibilities: Full responsibility

Presentations

(i) Conference Presentations and Professional Meetings

The 22nd Annual Society for the Advancement of Economic Theory (SAET) Conference, University of Paris 1 Pantheon-Sorbonne, and the FIAP Jean Monnet Paris (Paris, France) (Chair and presenting) “Latent Utility and Permutation Invariance: A Revealed Preference Approach,” July 2023. (upcoming)

North American Summer Meeting of the Econometric Society (NASMES 2023) (Los Angeles, California) “Latent Utility and Permutation Invariance: A Revealed Preference Approach” June 2023.

Interdisciplinary CIREQ-Workshop in Psychology and Economics In Memory of Tony Marley, Université de Montréal (Montreal, Quebec) “Latent Utility and Permutation Invariance: A Revealed Preference Approach,” May 8, 2023.

2023 Mini Econometrics Conference, University of Rochester (Rochester, New York) “Latent Utility and Permutation Invariance: A Revealed Preference Approach” April 27, 2023.

CIREQ Montreal Colloquium on Econometrics: Advances in Microeconometrics, Hôtel de L’Institut (Montreal, Quebec) Poster Session: “Identification of Random Coefficient Latent Utility Models,” May 2022.

The 20th Annual Society for the Advancement of Economic Theory (SAET) Conference, Virtual, “Revealed Statistical Consumer Theory,” June 2021.

The 12th World Congress of the Econometric Society/Bocconi University 2020, Virtual, “Identification of Random Coefficient Latent Utility Models,” August 2020.

CIREQ Montreal Econometrics Conference (cancelled due to COVID-19). Originally scheduled for May 1-2, 2020.

The 2020 North American Winter Meeting of the Econometric Society (NAWMES 2020) hosted by the Allied Social Science Association (San Diego, California) “Revealed Statistical Consumer Theory” January 2020.

36th Meeting of the Canadian Econometric Study Group Meetings (CESG 2019), University of Quebec at Montreal (Montreal, Quebec) “Assessing Misspecification and Aggregation for Structured Preferences,” October 2019.

The 3rd Empirical Microeconomics Workshop, University of Calgary (Banff, Alberta) “Counterfactual and Welfare Analysis with an Approximate Model,” August 2019.

Robustness in Economics and Econometrics Conference, Becker Friedman Institute for Economics, University of Chicago (Chicago, Illinois) “Assessing Misspecification and Aggregation for Structured Preferences,” April 2019.

34th Meeting of the Canadian Econometrics Study Group (CESG 2017) York University (Toronto, Ontario) Poster Session: “Identification with Additively Separable Heterogeneity,” December 2017.

Class of 2017 Microeconometrics Conference, Duke University (Durham, North Carolina) “Identification of Average Demand Models,” September 2017.

(ii) Seminar Presentations

“Satisficing, Aggregation, and Quasilinear Utility”

2021 University of Southern California, USA
2021 Washington University in St. Louis, USA

“Identification of Random Coefficient Latent Utility Models”

2021 Yale University, USA
2020 Simon Fraser University, Canada
2020 Duke University, USA

“Counterfactual and Welfare Analysis with an Approximate Model”

2019 University of Chicago, USA
2019 University of Toronto, Canada

“Assessing Misspecification and Aggregation for Structured Preferences”

2019 University of Chicago, USA
2019 University of Toronto, Canada
2018 The Ohio State University, USA

“Identification with Additively Separable Heterogeneity”

2019 Rice University, USA
2018 University of Waterloo, Canada
2018 University of Wisconsin-Madison, USA
2017 Cornell University, USA
2017 Pennsylvania State University, USA
2017 University of Arizona, USA
2017 University of Calgary, Canada
2017 University of California, Davis, USA
2017 University of California, Santa Cruz, USA

(iii) Conference Organization

Counterfactuals with Economic Restrictions, Western University (London, Ontario) September 2019

Refereeing

(i) Journals

American Economic Review
Bulletin of Economic Research
Econometric Reviews
Econometrica
Journal of Applied Econometrics
Journal of Business and Economic Statistics
Journal of Econometrics
Journal of Economic Theory
Journal of the European Economic Association
Journal of Political Economy
Journal of Statistical Planning and Inference
International Economic Review
Mathematical Social Sciences
Quantitative Economics
The Review of Economic Studies

(ii) Professional Affiliations

Member of the American Economic Association
Member of the Econometric Society

3. Teaching, Mentoring, and Advising

Courses Taught at the University of Western Ontario

2022-2023	Economics 2223B-001/002 Economics 9606B-001 Economics 9621A-001	Econometrics II (Honors UG) Econometrics and Quantitative Methods II (Ph.D.) Independent Research Project (Martin Bustos) (Ph.D.)
2021-2022	Economics 9606B-001 Economics 9615B-001	Econometrics and Quantitative Methods II (Ph.D.) Applied Econometrics I (Ph.D.)
2020-2021	Economics 9606B-001	Econometrics and Quantitative Methods II (Ph.D.)
2019-2020	Economics 2223B-001/002 Economics 9616B-001	Econometrics II (Honors UG) Advanced Econometrics II (Ph.D.)
2018-2019	Economics 2223B-001/002	Econometrics II (Honors UG)
2017-2018	Economics 2223B-001/002	Econometrics II (Honors UG)

University of California, San Diego

- 2013 Research Assistant to Ivana Koumjer, University of California, San Diego
- 2011-2017 Teaching Assistant for one class per semester, Intermediate Econometrics, Intermediate Microeconomics, Introduction to Economics, Environmental Economics

Graduate Supervision

(i) Ph.D. Thesis Committee Member

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| Brice Gueyap Kounga | Expected Completion: Summer 2026 |
| Kun Zhu | Expected Completion: Summer 2025 |
| Charles Gautier | “Revealed Preference Analysis: Theory and Applications”
Completed: July 2022
Initial Placement: Post-Doc, Université Libre de Bruxelles (ECARES) |
| Zhuang Liu | “Essays on the Economics of Digital Piracy”
Completed: January 2020
Initial Placement: Charles Rivers and Associates, Toronto |

(ii) Ph.D. Thesis Examiner

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| Mingshi Kang | “Essays on Market Design and Auctions”
2022 |
| Samantha Goertz | “Three Essays on Climate and Development”
2021 |
| Zhuang Liu | “Essays on the Economics of Digital Piracy”
2020 |
| Tomasz Handler | “Essays in Economics of Education: Teacher Labour Markets and Earnings of University Graduates”
2019 |

(iii) Summer Paper Second Reader

Brice Gueyap Kounga	“Nonparametric Dyadic Regression” 2022
Tian Liu	“Whether Learning Exists in the Choices of Health Insurance Markets: Evidence from the RAND Health Insurance Experiment” 2019
Meghdad Rahimian	“The Welfare Impact of US Climate Change Misperception” 2018

(iv) First-Year Research Workshop Reader

Lance Taylor	Supervised a basic introduction to research including papers to read, summaries of papers, and how to present the papers. 2023
Kun Zhu	Supervised a basic introduction to research including papers to read, summaries of papers, and how to present the papers. 2020
Jessica Lee	Supervised a basic introduction to research including papers to read, summaries of papers, and how to present the papers. 2019

4. University Administrative Duties

Administrative Duties at the University of Western Ontario

Ph.D. Comprehensive Committee Member - Econometrics	2022-2023, 2020-2021 2019-2020
Applied Economics/Econometrics Workshop Co-Director	2022-2023, 2018-2019
Ph.D. Comprehensive Committee Coordinator	2021-2022
Appointments Committee Member	2020-2021, 2017-2018
Subject Coordinator - Econometrics	2019-2020
Graduate Affairs Committee Member-at-Large	2018-2019