Curriculum Vitae for Andres Aradillas-Lopez

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Education

Ph.D. in Economics, University of California at Berkeley, May 2005.
M.A in Statistics, University of California at Berkeley, May 2003.
M.A in Economics, El Colegio de México, A.C (Mexico), June 1999.
B.A in Economics, ITESM, Campus Monterrey (Mexico), May 1996.

Employment

Current Position
Associate Professor of Economics (with tenure), Pennsylvania State University: July 2013-present

Past Positions
Assistant Professor of Economics, University of Wisconsin Madison: July 2009-June 2013.
Assistant Professor of Economics, Princeton University: July 2005-June 2009.

Visiting Appointments
Visiting Associate in Economics. California Institute of Technology: April-June 2007.
Visiting Professor. El Colegio de México: June-August 2008, 2009, 2011.
Visiting Professor. Centro de Investigación y Docencia Económicas (CIDE): June-August 2011.
ERID Visitor, Duke University: 10/29/12-11/2/12.

Research Papers

Published and Forthcoming Papers
A. Aradillas-López, B. Honore and J. Powell: "Pairwise Difference Estimation with Nonparametric Control Variables". *International Economic Review*. Volume 48, Issue 4, 2007. pp: $1119-1158$. Reprinted in *Economics to Econometrics: Contributions in Honor of Daniel L. McFadden*, Manski, C.F. and W. Newey (eds.), Blackwell Publishing.

A. Aradillas-López and E. Tamer: "The Identification Power of Equilibrium in Simple Games". *Journal of Business and Economic Statistics*. Volume 26, Number 3, July 2008. pp:$261-283$. (Published with comments and with rejoinder).

A. Aradillas-López: "Semiparametric Estimation of a Simultaneous Game with Incomplete Information" *Journal of Econometrics*. Volume 157, Number 2, August 2010. pp:$409-431$. (Winner of the 2011 Dennis Aigner Award for the most significant applied paper published in the *Journal of Econometrics*, 2010-2011).

A. Aradillas-López: "Nonparametric Probability Bounds for Nash Equilibrium Actions in a Simultaneous Discrete Game". *Quantitative Economics*. Volume 2 (2), July 2011, pp:$135-171$.

A. Aradillas-López: "Pairwise Difference Estimation of Incomplete Information Games" *Journal of Econometrics*. Volume 168, Number 1, May 2012. pp:$120-140$.

A. Aradillas-López, A. Gandhi and D. Quint: "Identification and Inference in Ascending Auctions with Correlated Private Values " *Econometrica*. Vol. 81, No. 2, 2013, pp:$489-534$.

A. Aradillas-López, A. Gandhi and D. Quint: "A Simple Test for Moment Inequality Models with an Application to English Auctions" *Journal of Econometrics*. Vol. 194, No. 1, 2016, pp:96 − 115.

A. Aradillas-López and A. Gandhi: "Estimation of Games with Ordered Actions: An Application to Chain-Store Entry" *Quantitative Economics*, Vol. 7, No. 1, 2016, pp:727 − 780.

A. Aradillas-López: "Simple Estimators for Invertible Index Models: A Comment" *Journal of Business and Economic Statistics*. Vol. 36, No. 1, 2018, pp:18 − 21.

A. Aradillas-López: "Nonparametric Tests for Strategic Interaction Effects with Rationalizability" *Economics Letters*. Vol. 181, 2019, pp:149 − 153.

A. Aradillas-López: "Computing Semiparametric Efficiency Bounds in Linear Models with Nonparametric Regressors" *Economics Letters*. Vol. 185, 2019, pp:1 − 5.

A. Aradillas-López: "The Econometrics of Static Games" *Annual Review of Economics*. Vol. 12, 2020, pp:135 − 165

A. Aradillas-López: "Computing Semiparametric Efficiency Bounds in Discrete Choice Models with Strategic-interactions and Rational Expectations" *Journal of Econometrics*. Vol. 221, No. 1, 2021, pp:25 − 42

A. Aradillas-López and A. Rosen:"Inference in Ordered Response Games with Complete Information". *Journal of Econometrics*. Vol. 226, No. 2, 2022, pp:451 − 476. CEMMAP Working Paper CWP37/21.

A. Aradillas-López and L. Kosenkova: "A Nonparametric Test for Cooperation in Discrete Games" *The Econometrics Journal*. Vol. 26, No. 2, 2023, pp:257 − 278

A. Aradillas-López: "Inference in an Incomplete Information Entry Game with an Incumbent and with Beliefs Conditioned on Unobservable Market Characteristics" *Econometric Reviews*. Vol. 42, No. 2, 2023, pp:123 − 156

A. Aradillas-López: "Inference in Models with Partially Identified Control Functions" Accepted for publication at *Journal of Econometrics*. September, 2023.

Working Papers and work in progress

A. Aradillas-López: "Testing Functional Inequalities Conditional on Estimated Functions" .

A. Aradillas-López, P. Haile, K. Hendricks and R. Porter: "Testing Competition in U.S. Offshore Oil and Gas Lease Auctions".

A. Aradillas-López: "Estimation of Discrete Games when Cooperation is Uncertain".

A. Aradillas-López: "Matching Estimation of Models with Uncertain Solution Concept".

Awards and Prizes

2011 Dennis Aigner Award for the most significant applied paper published in the *Journal of Econometrics* published in 2010-2011.

National Science Foundation Grant No. SES-0922062, "Identification Results in Interaction Models with Nonparametric Payoffs and Weakly Consistent Beliefs". $(2009 - 2013)$. Amount: $\$192,834.00$.

National Science Foundation Grant No. SES-0718409 (later SES-0946894), "Econometric Analysis of Strategic-Interaction Models under Flexible Behavioral Assumptions". $(2007 - 2010)$. Amount: $\$106,587.00$.

National Science Foundation Grant Proposal "Generalized Conditional Moment Inequalities in Models of Empirical Industrial Organization" (submitted jointly with Amit Gandhi). Pending as of 03/12/2013.

University of Wisconsin, Madison Graduate School Research Awards, 2011 and 2012.

Maude P. and Milton J. Shoemaker Fellow in Economics. University of Wisconsin, Madison, 2009.

Dean's Normative Time Fellowship, U.C. Berkeley (2004).

Continuing Student Fellowship, Economics Department, U.C. Berkeley (2003).

UC Institute for Mexico and the United States (UC Mexus) Graduate Fellowship (2003-2004).

Conacyt (Mexico) Graduate Fellowship (1999-2003).

Conferences and Seminars

Conferences invited to, as presenter or discussant
2007: Copenhagen Econometrics Summer Workshop (presenter); "Auctions and Games: A Conference for the Journal of Econometrics Annals Issue" at Virginia Tech (presenter and discussant).
2008: North American Winter Meetings of the Econometric Society, New Orleans, LA (presenter).
2009-2011: SITE, Stanford University (presenter); MERSIH at Harvard University (presenter); AEA Winter Meetings in Atlanta (presenter); Southern Economic Association.
2012: NSF and NBER Conference of Econometrics and Mathematical Economics (CEME) at Princeton University (presenter); Southern Economic Association (presenter); Western Economic Association (presenter).
2013: Recent Contributions to Inference in Game Theoretic Models. Joint Conference by University College London and Northwestern University.
2014: Cowles Econometrics Conference at Yale University; Conference in honor of Marc Nerlove at the University of Maryland, Winter Meetings of the Econometric Society, Winter Meetings of the American Economic Association.
2015: Econometric Society World Congress, Cornell-Penn State Econometrics/Industrial Organization Workshop.
2016: Penn State-Cornell Econometrics/Industrial Organization Workshop.
2017: Winter Meetings of the Econometric Society.
2018: Winter Meetings of the Econometric Society.
2019: Winter Meetings of the Econometric Society.
2022: U.C Berkeley Conference in Honor of James L. Powell.

Conferences organized
2008: Greater New York Metropolitan Area Econometrics Colloquium December 6, 2008. Princeton University (Co-organized with Ulrich Mueller and Andriy Norets).

2018: 6th Annual Conference of the International Association of Applied Econometrics (IAAE). Scientific Committee.

2019: 7th Annual Conference of the International Association of Applied Econometrics (IAAE). Scientific Committee.

2021: 8th Annual Conference of the International Association of Applied Econometrics (IAAE). Scientific Committee.

2023: 10th Annual Conference of the International Association of Applied Econometrics (IAAE). Scientific Committee.

Seminar Presentations (partial list)
2007: Penn State University; University of California, Berkeley; Stanford University; California Institute of Technology; Princeton University. Upcoming: University of Texas, Austin; University of Maryland; Georgetown University; Penn State University; University of California, Los Angeles.
2008: University of California, Los Angeles; University of Arizona; University College, London; Columbia University; Rice University; University of Wisconsin, Madison; University of Toronto.
2009 and 2010: Northwestern University, University of Michigan, Yale University, Manheim, Toulouse
2011: Boston College, Rochester, New York University, Ohio State.
2012: University College London, Vanderbilt University, University of Illinois-Urbana Champaign, Northwestern University, Duke University, University of British Columbia, University of Western Ontario, Penn State University.
2013: Boston University, University of California-San Diego, University of Texas.
2014: New York University, Princeton University, University of Pittsburgh.
2015: Texas A&M University, University of California, Berkeley.
2016: Johns Hopkins University, University of Wisconsin-Madison, Washington University-St. Louis.
2017: New York University, University of Chicago.
2018: University of Toronto, University of Maryland.
2019: Columbia University, Ohio State University.
2021: Vanderbilt University.
2022: Cornell University, UC Berkeley, University of Pittsburgh, Princeton University.

Teaching Experience

Penn State University:
Undergraduate
ECON 402.- Decision Making and Strategy in Economics (Fall 2013, Fall 2014, Fall 2015, Spring 2016, Fall 2016, Spring 2017, Spring 2021).
ECON 465.- Cross Sectional Econometrics (Fall 2016, Fall 2017, Fall 2018, Spring 2020, Spring 2021, Spring 2022, Fall 2023).
Graduate (Ph.D)
ECON 589.- Seminar in Econometric Theory (Spring 2014, Spring 2015, Spring 2016, Fall 2020, Fall 2021, Spring 2023, Fall 2023).
ECON 510.- Econometrics I (Spring 2017, Spring 2018, Spring 2019).
Graduate (M.A)
ECON 510.- Econometrics I (Spring 2019, Spring 2020, Spring 2021, Spring 2022, Spring 2023).

University of Wisconsin:
Undergraduate
ECON 310.- Statistics: Measurement in Economics (Fall 2009, 2010, Spring 2012, 2013).
Graduate (Ph.D)
ECON 718.- Topics-Applied Econometrics (Spring 2010, 2011, 2012, 2013).

Princeton University:
Undergraduate:
ECO 312.- Econometrics: A Mathematical Approach (Fall 2005, 2006, 2007).
Graduate:
ECO 519.- Advanced Econometrics: Nonlinear Models. (Spring 2006, 2007, 2008).

Editorial Work

Associate Editor of *Econometrica*: 2017-2020
Associate Editor of *Econometric Reviews*: 2022-present

Work as Referee and Reviewer

Econometrica, Review of Economic Studies, Journal of Econometrics, Econometric Theory, Journal of Business and Economic Statistics, The Econometrics Journal, International Economic Review, Journal of Applied Econometrics, Games and Economic Behavior, Journal of Industrial Economics, Review of Economics and Statistics, American Economic Review, Journal of the American Statistical Association, Quantitative Economics, Rand Journal of Economics, Journal of the European Economic Association, Oxford Bulletin of Economics and Statistics. Reviewer for the National Science Foundation (United States), and for the Social Sciences and Humanities Research Council (SSHRC) of Canada.

Ph.D Students Supervised at Penn State

Lidia Kosenkova (2018): Placed as Assistant Professor of Economics at the University of Virginia.

Xian Li (2018): Placed as Assistant Professor of Economics at Shanghai University of Finance and Economics (SUFE).

Economic Consulting Work

Economic advisor to the Comisión Federal de Competencia Económica (Mexico's Federal Trade Commission). In charge of a national study to estimate the economic impact of anticompetitive practices in Mexican households. The title of the study is "Poder de Mercado y Bienestar Social" (2018). Downloadable at

https://www.cofece.mx/wp-content/uploads/2018/10/Libro-CPC-PoderyBienestar-ver4.pdf