Olivia Bordeu

CONTACT INFORMATION	5751 S Woodlawn Ave The University of Chicago Booth School of Business Chicago, Illinois	Phone: +1-8573108097 obordeug@chicagobooth.edu

RESEARCH INTERESTS

Urban and Spatial Economics, Industrial Organization, Development Economics

EDUCATION

Ph.D. in Economics, The University of Chicago Booth School of Business — 2018-current

M.A. in Economics, The University of Chicago — 2018-2019
(Coursework completed, official graduation in June 2022)

B.S. in Civil Engineering of Industry, Pontificia Universidad Católica de Chile — 2015
Diploma in Transportation and Logistics Engineering
Graduated with one vote of distinction

Summer Program *Shaping the Future City*, University of New South Wales — 2013
Academic scholarship grant

RESEARCH EXPERIENCE

Research Associate for Fernando Alvarez, University of Chicago — 2020-current

Research Associate for Jonathan Dingel, University of Chicago (Booth) — 2019-current

Senior Research Specialist I, Princeton University — 2017-2018
Are some degrees worth more than others? Evidence from college admission cutoffs in Chile
PI's: Justine Hastings, Christopher Neilson and Seth Zimmerman.

Research Associate, Abdul Latif Jameel Poverty Action Lab (J-PAL LAC) — 2015-2017
Learning the Value of Education: Evidence from information interventions in the Dominican Republic
PI's: James Berry, Lucas Coffman, Christopher Neilson.

Protecting Hake Fish through Enforcement and Information Campaigns
PI's: Andres Gonzalez, Mushfiq Mobarak.

Research Assistant, Pontificia Universidad Católica de Chile — 2015
REMIT: Dynamic model of car based pollution in Chile
Luis Rizzi, Assistant Professor School of Engineering PUC Chile

Teaching Assistant, Pontificia Universidad Católica de Chile — 2014
Transportation Economics (Graduate level)
Patricia Galilea, Assistant Professor School of Engineering PUC Chile

CONFERENCES

Public Policies Chile, New York — 2017
Panelist at *Election polls and it's effect on public opinion*

Research Opportunities for the Human Development, Dominican Republic — 2017

Presented *Predicting School Dropout: A machine learning application*

WORK IN PROGRESS	*Political Decentralization and Misallocation of Public Transport*

Cities are often divided into several local governments, which control the level and spatial allocation of transport infrastructure within their jurisdiction. However, decentralization in public good provision can be inefficient when there are externalities across jurisdictional boundaries. In this paper, I use a simple monocentric city model to examine decentralization's role on transportation provision. This simple model shows how municipalities closer to the city's employment center can exploit their natural geographical advantage to increase their land value at the expense of land value on the periphery of the city by allocating less land to roads.

Location Sorting, Consideration Sets, and Sparsity under Household Preferences Heterogeneity with Santiago Franco and Miguel Morales

We adapt recent developments on dimension reduction in structural economic models to urban location sorting frameworks. We propose a modified version of the two-step group fixed-effects estimator of Bonhomme, Lamadon, and Manresa (2019) to estimate a household location problem within a city. Our estimator differs from the existing methods in two ways. First, we use household characteristics to define the household consideration set, allowing us to reduce the dimension of the problem. Second, our method allows for rich non-linear heterogeneity in household preferences under sparsity. Preliminary estimations using rich Colombian micro-data show that our method delivers a slightly better out of sample fit with respect to standard discrete choice models of residential location.

Role of Deregulation in City Development: Evidence from Mexico City

Predicting School Dropout: A machine learning application with Hernan Barahona and Christopher Neilson

Iterative record linkage for administrative data in developing countries with Hernan Barahona and Christopher Neilson

SOFTWARE SKILLS	Advanced user of Julia, Python, PySpark, Stata, Unix and LaTeX
	Completed Coursera course *Python Data Structures* by University of Michigan

OTHER	Languages: Spanish (native), English (TOEFL ibt 116)
	Interests: Data science, literature and oil painting
	Nationality: Chilean