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DATE OF BIRTH April 20, 1990

CITIZENSHIP Mexican

EDUCATION

Ph.D. Social Science, [California Institute of Technology](#) (Caltech), 2014–2020 (expected)

M.S. Social Science, Caltech, 2014–2016

M.S. Economics, [Centro de Investigación y Docencia Económicas](#), (CIDE), 2013–2014

B.A. Economics with High Honors, CIDE, 2008–2013

RESEARCH FIELDS

Empirical Industrial Organization, Market Design and Matching, Econometrics,
Applied Microeconomics.

RESEARCH PAPERS

- [“Who Gets Placed Where and Why? An Empirical Framework for Foster Care Placement” \(Job-Market Paper\)](#)

This paper presents an empirical framework to study the assignment of children into foster homes and its implications on placement outcomes. The empirical application uses a novel dataset of confidential foster care records from Los Angeles County, CA. The estimates of the model are used to examine policy interventions aimed at improving placement outcomes. In general, it is observed that market thickness tends to improve expected placement outcomes. If placements were assigned across all the administrative regions of the county, the model predicts that (i) the average number of foster homes children go through before exiting foster care would decrease by 8% and (ii) the distance between foster homes and children's schools would be reduced by 54%.

- “Executive compensation and competitive pressure in the product market: How does firm entry shape managerial incentives?” (joint with Kaniska Dam) (**R&R Mathematical Social Sciences**)

Motivated by empirical evidence, we develop an incentive contracting model under oligopolistic competition to study how incumbent firms adjust managerial incentives following deregulation policies that enhance competition. We show that firms elicit higher managerial effort by offering stronger incentives as an optimal response to entry, as long as incumbent firms act as production leaders. Our model draws a link between an industry-specific feature, the time needed to build production capacity, and the effect that product market competition has on executive compensation. We offer novel testable implications regarding how this industry-specific feature shapes the incentive structure of executive pay.

WORK IN PROGRESS

- “An Experimental Study of Decentralized Matching” (joint with Federico Echenique and Leeat Yariv)

SCHOLARSHIPS AND AWARDS

Ph.D. Social Science, Caltech

Lance Davis Fellowship, 2019

Linde Fellowship, 2018

John O. Ledyard Prize for Best Third-Year Paper (shared), 2017

Principles of Economics Best Teaching Assistant Prize, 2017

Graduate Fellowship, 2014–current

M.S. Economics, CIDE

Best M.S. Thesis, 2014

Highest cumulative GPA, Class of 2014

Honors Scholarship, Fall 2013

CONACYT Scholarship, 2013–2014

B.A. Economics, CIDE

Highest cumulative GPA, Class of 2013

Honors Scholarship, 2008–2013

CONFERENCE AND SEMINAR PRESENTATIONS

- 2018: North American Summer Meetings of the Econometric Society, UC Davis
- 2018: USC Children Data Network

TEACHING ASSISTANTSHIP

Caltech

Introduction to Economics (undergraduate massive open online course),
Winter 2016, 2017, 2018; Fall 2017

Bayesian Statistics (undergraduate), Spring 2018

CIDE

Microeconomics (Ph.D. Public Policy), Spring 2014

Economics of Information (M.S.), Fall 2013

Advanced Microeconomics (B.A.), Fall 2013

Econometrics II (B.A.), Spring 2013

Industrial Organization (B.A.), Fall 2012 & 2013

Introduction to Economics (B.A.), Fall 2010

RESEARCH ASSISTANTSHIP

Caltech

Charles Plott, Caltech, Summer 2017

Matthew Shum, Caltech, Spring – Fall 2016 & Spring 2017

Alexander V. Hirsch, Caltech, Fall 2015

CIDE

Luciana Moscoso, CIDE, 2011–2014

Alexander Elbittar, CIDE, 2010–2011

SOFTWARE

Matlab, Stata/Mata, Mathematica, Python, R

LANGUAGES

Spanish (Native), English (Fluent), and German (Intermediate)

NON-ACADEMIC

Volunteer Counselor at the Suicide Prevention Crisis Line, [Didi Hirsch](#), 2018–current

REFERENCES

Matthew Shum

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