

# Andreas Aristidou

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PhD candidate (Final year)  
University of Southern California

## Education

<b>Ph.D. Economics</b>	University of Southern California (USC)	2015 - 2021
<b>M.S. Computer Science</b>	University of Southern California	2017 - 2018
<b>M.S. Economics</b>	Barcelona GSE   Universitat Pompeu Fabra (BGSE   UPF)	2013 - 2014
<b>B.S. Economics</b>	University of Nottingham (UoN)	2010 - 2013

## Experience

2020	<b>Zillow Group</b>   Internship   Economic Research - Behavioral Science
2017-2018	<b>City of Los Angeles - Data Science Federation</b>   Affiliate researcher   Causal inference - Affordable housing
2017	<b>WPromote</b>   Independent researcher   Econometric Analysis - Advertising attribution
2013-2016	<b>Iceline Cyprus</b>   Consultant   Design and evaluation of product experiments and consumer data

### **Research Assistant**

2017-2020	Center for Economic and Social Research (CESR)   Applied Econometrics - Structural model estimation
2016-2017	Los Angeles Behavioral Economics Laboratory (LABEL)   Experiment design and data analysis
2012	Center for Decision Research and Experimental Economics (CEDEX)   Data Analysis

### **Teaching Assistant**

2016-2017	University of Southern California   Microeconomics (MS), Economics of Happiness (BS)
2013-2014	Universitat Pompeu Fabra   Consumer Behavior (BS), Cost Accounting (BS)

### **Conference presentations**

2017-2020	International Association of Applied Econometrics (IAAE), Economic Science Association (ESA), Behavioral Game Theory Workshop (BGT), Western Economic Association International (WEAI).
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### **Professional service**

2018-2020	Seminar Organizer: PhD Student brown bag   Department of Economics, University of Southern California
2012	Student Mentor: Younger cohorts   Department of Economics, University of Nottingham
2010-2013	Course Representative: BS Economics   Department of Economics, University of Nottingham
2008-2010	Sergeant of Infantry: Military service   Cyprus National Guard

### **Community service**

2008-2020	Cycling challenge (Nottingham, UK to Laayoune, Morocco) for awareness and fundraising   Charity - Water, English teaching and temple renovation in Kandy, Sri Lanka   International Volunteer HQ, Distribution of food aid to victims of financial crisis in Nicosia, Cyprus   Iceline Cyprus, Volunteer at the XII Games of the Small States of Europe in Cyprus   Cyprus Olympic Committee, Fundraiser and promoter in various cities in Cyprus   Cyprus Anti-Cancer Society.
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## Skills

<b>Programming</b>	R, Python, SQL, STATA (Proficient); MATLAB, Hive, JavaScript, HTML, Tableau (Some experience).
<b>Languages</b>	Greek (Native); English (Fluent); French, Spanish (Conversational).

## Fellowships, Honors and Awards

2019, 2020	Jonathan Woetzel Scholarship	Summer research grant	McKinsey Global Institute
2015, 2020	Dornsife/Graduate School Fellowship	Graduate studies package	Department of Economics, USC
2018	Best Research Paper Award	Third year research paper	Department of Economics, USC
2016 - 2018	Leventis Educational Scholarship	Graduate research grant	A.G. Leventis Foundation
2017	Best Class Paper Award	Computational Social Sciences	Department of Computer Science, USC
2016, 2017	The Dean's List	Academic performance	USC Dornsife
2013	Fulbright Scholarship	Graduate studies support	J.W. Cyprus Fulbright Commission
2013	Nottingham Advantage Award	Extra-curricular contribution	Students' Union, UoN
2012	Silver Award	B.S. Economics representative	School of Economics, UoN
2012	Best Social Entrepreneurship Project	Award for Summer course	Ningbo, China campus, UoN

## Research - Economics

### Job Market Papers

Applied Microeconomics: “Recommender Systems as Informational Incentives for Higher Quality Reviews” [*Solo-authored*]

- Conducted sentiment analysis of 5-star versus 1-star reviews from Amazon.com and Yelp!, using Python.
- Developing theoretical model of recommendations (recommender systems) as informational incentives for higher quality review and rating behavior.
- Designing online experiment (Amazon’s MTurk).

Behavioral Economics: “Incentives or Persuasion? An Experimental Investigation.” [*Giorgio Coricelli, Aleksander Vostroknutov*]

- Developed theoretical equivalence between monetary and informational (persuasion) incentive structures.
- Designed and implemented lab experiment using Z-tree software.
- Awarded “Best Third-Year Paper Award” from Department of Economics, USC.
- Submitted to peer-reviewed journal.

### Working papers

“The Economic Foundations of the Demand for Skewness.” [*Aleksandar Giga, Suk Lee, Fernando Zapatero*]

- Developed theoretical model of aspirational utility that rationalizes (both positive and negative) skewness seeking in financial decision making.
- Designed and implemented classroom experiment of risky asset choices and charitable donations.

“Relativity and Habit Formation in Life Satisfaction.” [*Arie Kapteyn*]

- Developed theoretical model of income satisfaction as a component of income relativity and income history.
- Used worldwide survey data from Gallup World Poll to structurally estimate the model using STATA.
- Submitted to peer-reviewed journal.

### Technical reports

“The Effects of Affordable Housing on Real Estate Prices in Los Angeles.” [*Rashad Ahmed, Matthew Kahn, Eunjee Kwon*]

- Geo-coded private and affordable housing units using R and STATA.
- Estimated the impact of the introduction of affordable housing on real estate prices using difference-in-differences design.
- Featured project at the Los Angeles Data Science Federation (DSF) quarterly meeting.
- Submitted to the City of Los Angeles and presented at the Los Angeles City Hall.

### Works in progress

“A Model and Evidence of OSS Developers Decision Making.” [*Sam Boysel, Rachel Lee*]

- Constructed several workable datasets from Github repositories using SQL.
- Extracted insights on OSS developer behavior (issues, commits, forks, etc) using R.
- Developing of a network model of the OSS developer community.

“Inducing Coordination Over Time: An Experiment on the Battle of the Sexes.” [*Isabelle Onate, Wei Zhou*]

- Designed and implemented computerized lab experiment using Z-tree software.

## Research - Computer Science and Computational Psychology

### Conference publications

“Semantic Analysis of Academic Discourse of the Prominent Researchers.” [*Matt Baucum, Nathan Bartley, Mohammad Atari*]

- Scraped Elsevier and JSTOR APIs using Python, and constructed corpus of academic articles.
- Applied graph-based clustering and dynamic topic modelling techniques, using Python.
- Awarded best class paper award in CSCI 626 from Department of Computer Science, USC.
- Published in the SPSP 2018 Psychology of Language conference.

### Works in progress

“Towards Adaptive Fairness in Machine Learning.” [*Sarah Cooney, Hanpeng Liu, Shunsuke Saito, Seb Arnold*]

- Introduction of  $\alpha$ -Fairness concept and development of ML algorithm that optimizes the tradeoff between prediction of the outcome variable and prediction of sensitive variables.
- Applied the algorithm to data from the Homelessness Management Information System (HMIS).