

DANTON NORIEGA-GOODWIN

Sanford School of Public Policy, *Duke University*

danton.noriega@duke.edu (949) 689-9307 dantonnoriega.me

 github.com/dantonnoriega  [linkedin.com/in/dantonnoriega](https://www.linkedin.com/in/dantonnoriega)

EDUCATION

Ph.D. Candidate in Public Policy and Economics	2018
<i>Duke University, Durham, NC</i>	
M.A. Economics	2013
<i>Georgetown University, Washington, DC</i>	
M.S. Applied Statistics	2011
<i>California State University at Long Beach, Long Beach, CA</i>	
B.S. Mathematics	2006
<i>University of California at Irvine, Irvine, CA</i>	
<i>Orange Coast Community College, Costa Mesa, CA</i>	

DISSERTATION

“An Evaluation of the Double Up Food Bucks Program” (*Main Chapter*)

Investigating the effectiveness of a targeted fruit and vegetable subsidy as policy for improving the consumption habits of SNAP beneficiaries.

“The Durham Connects RCT and Request for Social Services”

Exploiting random assignment to measure if the Durham Connects nurse home-visiting program helped reduce learning and administrative costs, consequently increasing social service applications by eligible families.

“The SNAP Benefit Cycle and the Demand for Emergency Assistance from Formal Networks”

An event study aimed at determining if families are more likely to request emergency assistance from formal networks (e.g. social services, food pantries) at the end of their SNAP Benefit Cycle.

“Nudging Convenience Store Shoppers Towards Healthier Snacks” (*UNC-Duke BECR Center*)

Testing different healthful food nudges—shelf placement, messaging, bundling—across to a large set of local convenience stores.

WORK EXPERIENCE

DUKE UNIVERSITY – DURHAM CHILDREN’S DATA CENTER	Durham, NC
Research Assistant	<i>January 2017 – Present</i>
■ Analyzed data from Durham County Social Services for DCDC and for my dissertation.	
TRANSLOC	Durham, NC
Data Scientist	<i>May - Dec 2016</i>
■ Helped refine the multitudes of metrics available to the product team into understandable, actionable information. <i>Intern: May - Aug, Part-time: Sep - Dec.</i>	
DUKE-UNC BECR CENTER	Durham, NC
Research Assistant	<i>2015 - 2016</i>

- Investigated food purchasing behavior and food-related health outcomes of US households with an emphasis on food assistance policy (SNAP/WIC).

DUKE UNIVERSITY – SANFORD SCHOOL OF PUBLIC POLICY Durham, NC
Teaching Assistant *Spring 2015*

- Co-taught *Applied Big Data: Energy Data Analytics and Policy*. Students learned introductory theory about causal inference and how to use Python to do basic machine learning.

DUKE UNIVERSITY – SOCIAL SCIENCE RESEARCH INSTITUTE (SSRI) Durham, NC
SSRI Visiting Student Research Fellow *August 2014 – January 2015*

- Provided consulting services to Duke University faculty and students through PARISS.

GEORGETOWN UNIVERSITY – DEPARTMENT OF ECONOMICS Washington, DC
Research Assistant *2013 - 2014*

- Conducted research on various projects: (1) the effect of unemployment shocks on household food consumption, (2) market undervaluing of homes with solar panels, and (3) the behavioral effect of information pamphlets on energy consumption.

GEORGETOWN UNIVERSITY – DEPARTMENT OF ECONOMICS Washington, DC
Teaching Assistant *Fall 2012 - Spring 2014*

- Taught recitation classes for graduate and undergraduate students taking econometrics, blending theory with practical Stata examples. **Courses:** Econometrics (*Fall 2012, Fall 2013*), Intro to Econometrics (*Spring 2014*)

CAL STATE LONG BEACH – DEPT MATH AND STATISTICS Long Beach, CA
Graduate Assistant *Spring 2011*

- Assisted undergraduate students in all levels of mathematics and helped grade calculus exams.

CAL STATE LONG BEACH – LEARNING ASSISTANCE CENTER Long Beach, CA
Math, Statistics, and Physics Tutor *Sept 2009 – Feb 2011*

- Tutored undergraduate students with math, statistics, and physics problems.

US DEPARTMENT OF TRANSPORTATION Washington, DC
Transportation Economist Intern *Summer 2010*

- Created a user friendly spreadsheet model that predicts Highway Trust Fund revenues under 7 different potential economic scenarios. The model was presented to the US DOT Chief Economist's team and 2 years later used in a report to Congress about the state of the HTF.

TEACHING

GEORGETOWN UNIVERSITY

ECON 553 – Econometrics (Fall 2012) – TA Evaluation Score 4.65 / 5

ECON 553 – Econometrics (Fall 2013) – Score 4.7

ECON 122 – Intro to Econometrics (Spring 2014) – Score 4.6

DUKE UNIVERSITY

PUBPOL 590 – Applied Big Data Science: Energy Data Analytics and Policy (Spring 2015) – N/A

Select Reviews

- “Dan seemed to genuinely care about helping everyone learn the material. He was always willing to answer questions and really helped me improve on solving proofs. Overall, I thought Dan was the best TA in the master’s program.”
- “I can’t think of a way to improve the class without reducing the content requirements. You were helpful, enthusiastic, and comical about what I had previously thought was a dry, boring subject. It was somehow both my least favorite class (workload) and my favorite class (learning!). I learned A LOT, mathematically and conceptually. AND I LEARNED STATA! Thanks for all the tools and ‘do’ files and review sessions.”
- “Dan knew and communicated the material for this extremely difficult class better than any TA I have ever had (and better than most professors). The most helpful thing he did was taking the time to go through and explain the step by step process for difficult Stata procedures. It really wouldn’t surprise me to see Dan become a great professor one day.”
- “Dan, you are an exceptional teacher and if you haven’t already considered it, you should think about becoming a professor. Econometrics was one of my most engaging classes this semester, a far cry from the terrible warnings I’d received from students of prior semesters. You deserve a big part of the credit.”
- “Pretty awesome TA. I actually learned things in this class.”

PROGRAMMING

R	5+ years of experience. Preferred programming language.
highcharts.js	6 months of experience. Preferred tool for plotting data.
Stata	6+ years. Taught 3 courses with Stata. Used for quickly testing regression models.
Python	2+ years. Competent user of pandas. Taught a program evaluation class using Python.
Matlab	2+ years. Primarily used to learn and tinker with Machine Learning.
SAS	2+ years of experience but last used in 2011 as part of my M.S. in Applied Statistics.
SQL	1.5 year. Basic extraction and data processing.

Software

gtfsr R package. Quickly access, validate, and map GTFS data.

AWARDS AND HONORS

- Merit-Based Fellowship (Economics), *Georgetown University* 2011 – 2013
- 2010 STIPDG Outstanding Intern Award, *US Department of Transportation* Summer 2010
- Fletcher Jones Fellowship, *University of California at Irvine (Awarded but chose not to pursue Ph.D.)* Fall 2006
- Dean’s Honor List, *University of California at Irvine* Winter 2005 – Spring 2006
- Early Transfer (Academic Excellence), *Orange Coast College to UCI* Winter 2005
- President’s List for Academic Excellence, *Orange Coast College* Fall 2003 – Fall 2004
- Community College Scholarship Recipient, *Hispanic Education Endowment Fund (HEEF)* Fall 2004

ADDITIONAL INFORMATION

Native Spanish-speaker. Dual citizen of Chile and the US. Avid Ultimate Frisbee player.