E. Charlie Nusbaum

(609) 231-5156 | enusbaum@ucsb.edu | www.charlienusbaum.com

RESEARCH INTEREST

Macroeconomics, Demographic Change, Labor, Applied Econometrics

EDUCATION

University of California, Santa Barbara	Santa Barbara, CA
Ph.D. Candidate, Economics	*Expected June 2021*
University of California, Santa Barbara	Santa Barbara, CA
M.A., Economics	*June 2016*
Richard Stockton College of New Jersey *(Stockton University)*	Galloway, NJ
B.S., Applied Physics	*May 2014*

WORK EXPERIENCE

Keller Rohrback L.L.P. Seattle, WA
Consulting Expert *March 2019 - Present*

- Develop and verify econometric models used to estimate damages of class members and predict counterfactual outcomes
- Disect statistical and empirical approaches presented by opposing experts and propose responses
- Prepare reports for use in testifying expert declarations, deposition preparation, and rebuttals to motions filed by opposing counsel

UCSB Economic Forecast Project Santa Barbara, CA
Senior Research Analyst *July 2018 - Present*

- Using R, build and maintain database of local crime, real estate, demographic, and environmental statistics for Santa Barbara County
- Manage and mentor a team of seven interns to produce annual economic reports, conduct impact studies, and advise local governments on potential policy changes
- Support executive director in production and communication of local economic trends to community stakeholders

Research Assistant University of California, Santa Barbara
Heather Royer *September 2018 – December 2018*

- Created Python algorithm to solve a model of exercise, habit formation, and partial myopia with detailed replication instructions
- Produced simulation summary figures for inclusion in "The Structure of Health Incentives: Evidence from a Field Experiment" (*published*)

Research Assistant University of California, Santa Barbara
Javier Birchenall *September 2017 – December 2017*

- In Stata, collected and cleaned industry, occupation, and state level unemployment data from the Census Population Survey
- Constructed time series of industry, occupation, and state unemployment volatility indicators in R

ECONOMICS PUBLICATIONS

Labor Market Dynamics and the Migration Behavior of Married Couples *forthcoming Review of Economic Dynamics*
   with Christine Braun and Peter Rupert

- Calibrate and simulate a household search model to estimate the effect of female labor force attachment on migration behavior
- Decompose contribution of female labor force participation and gender wage gap effects to observed migration behavior
- Verify mechanisms of the model by estimating probit and multinomial logit regressions with the Census Populations Survey

WORKING PAPERS

Local Projections with Long-Run Restrictions and Aggregate Hours

- Propose methodology for identifying structural parameters and estimating impulse response functions
- Test advantages of proposed estimator relative to SVARs using Monte Carlo simulation
- Estimate the time path of labor hours following positive productivity shocks in the United States

Demographic Obstacles to European Growth *(with Thomas Cooley and Espen Henriksen)*

- Develop general equilibrium overlapping generations model of wealth, labor supply, and endogenous TFP to estimate the growth effects of aging in Europe
- Combine data from the OECD, Eurostat, Penn World Tables, and United Nations to estimate and calibrate structural parameters
- Generate counterfactual economies for projected population age distributions, pension reforms, and improvements to morbidity

Age Dependent Sentencing Reform and Economic Mobility *(in progress)*

- Estimate probit regression models using data from the NLSY97 to illustrate the relationship between wealth, income, and crime
- Construct and solve a directed search model with wealth and skill accumulation, and with stochastic crime opportunities
- Merge data from the BLS, Survey of Consumer Finance, Survey of Inmates in Correctional Facilities, and the FBI Uniform Crime Reporting Program to calibrate structural parameters

Teaching Experience

Invited Lectures	University of California, Irvine
Markov Processes with Search Applications	*Summer 2017*
Introduction to Bayesian Estimation of DSGE Models	*Summer 2017*
Head Teaching Assistant	University of California, Santa Barbara
Intermediate Micro I - ECON 10A	*Summer 2017*
Teaching Assistant	University of California, Santa Barbara
Macroeconomic Theory (Ph.D Level) - ECON 204A-C	*Fall 2017, Winter 2018, Spring 2018*
Intermediate Micro I - ECON 10A	*Fall 2016, Spring 2017, Summer 2017*
Principles of Macro - ECON 2	*Winter 2017*
Intermediate Micro II - ECON 100B	*Summer 2016*

Academic Presentations

- Society for Economic Dynamics, WUSTL — 2019
- Macroeconomics Brown Bag Seminar, UC Irvine — 2019
- Midwest Macro Fall Meetings, Vanderbilt — 2018
- 3rd Annual All California Macroeconmics Conference, Claremont McKenna — 2018
- 13th Annual Economics Graduate Student Conference, WUSTL — 2018
- Macroeconomics Brown Bag Seminar, UC Irvine — 2018
- Finn Kydland Macroeconomics Workshop, UC Santa Barbara — 2018
- UC Graduate Macroeconomics Workshop, UC Irvine — 2017

Other Academic Contributions

Calibration of a Quasi-Adiabatic Magneto-Thermal Calorimeter Used to Characterize Magnetic Nanoparticle Heating (2013)
with Anilchandra Attaluri, Michele Wabler, and Robert Ivkov, Journal of Nanotechnology in Engineering and Medicine

U.S. Economic Snapshot Blog	*www.econsnapshot.com*
with Thomas Cooley and Peter Rupert	
European Economic Snapshot Blog	*www.europeansnapshot.com*
with Thomas Cooley and Peter Rupert	
Laboratory for Aggregate Economics & Finance Conference Newsletter Coordinator	*www.laef.ucsb.edu*

Additional Experience, Achievements, & Awards

- Department Block Travel Grant — Fall 2018, Spring 2019
- Graduate Student Association Travel Grant — Fall 2018
- Outstanding Teaching Assistant Award — Spring 2017, Spring 2018
- Gretler Research Fellowship — Summer 2017
- Graduate Student Association Excellence in Teaching Award Nominee — Fall 2016-Spring 2017
- Mercatus Center Adam Smith Fellowship — Fall 2016-Spring 2016
- Regent's Fellowship — Fall 2015-Spring 2016
- Block Grant Fellowship — Fall 2015-Spring 2016

Other

- *Technical Expertise*: Python, MatLab, R, Stata, and HTML (basic)

- *Professional Membership*: Sigma Pi Sigma, Kappa Sigma

- *Citizenship*: U.S. Citizen, Dutch Citizen