Ethan Roubenoff

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Education	**University of California, Berkeley** PhD, Demography (in progress; expected 2023) Fields: Formal Demography, Spatial Demography, Statistical Demography MA, Demography, 2019 **Northwestern University** B.A., Sociology, 2018 Minor in Critical Theory Fields: Quantitative Sociology, Human and Statistical Geography, Transportation, Urban Sociology, Computer Science
Research	**Department of Demography, UC Berkeley** *Graduate Student Researcher—Human Mortality Database* With: Magali Barbieri, Carl Boe, Celeste Winant Country Specialist for Belgium, Luxemboug. Worked on county-level mortality estimates using Alexander et al 2017, A Flexible Bayesian Model for Estimating Subnational Mortality *Should You Believe What You See (And Where You See It) On the Internet? A Geospatial Analysis of Twitter Discourse Leading Up to the 2016 Presidential Election* Poster to be presented at PAA 2020 (Washington, DC) *A comparative perspective on small-area mortality estimation in the US using kriging and Bayesian modeling approaches* With Denys Duhkovnov—Poster to be presented at PAA 2020 (Washington, DC) **Department of Sociology, Northwestern University** *Undergraduate Honors Thesis*: Off the Rails—Visual and Statistical Evidence of the Unique Patterns of Racial and Economic Bifurcation around Chicago Public Transportation Stations Advisors: Mary Pattillo and Anthony Chen Using GIS and Spatial Statistical Analysis, I looked at patterns of socioeconomic and racial clustering around Chicago's light rail stations. I found evidence of two distinct types of clusters: concentrated poverty and affluence relative to the surrounding neighborhood.

Breast Cancer Patient Empowerment and Doctor-Patient Decisionmaking Relationships

Advisor: Karrie Ann Snyder

Worked with interview data of 69 women who had recieved treatment for breast cancer. We looked for disparities in patients' role in treatment decisionmaking and sense of empowerment stratified by race, class, and other socioeconomic charactertics. Our findings were published in *Sociology of Health Care* in 2018.

Department of Political Science, Northwestern University

Chicago Democracy Project (CDP)

Advisor: Thomas Ogorzalek

I served as webmaster for the CDP's map-based database of Chicago elections. I worked primarily in web development to create a tool for researchers interested in spatial patterns of election results, turnout, and key neighborhood demographics.

Department of Chemistry, O'Halloran Lab, Northwestern University

Advisors: Thomas O'Halloran and Amanda Bayer

Conducted research in the organic synthesis of zinc-specific chelators

Grants Recieved	**University of California, Berkeley**
	Department of Demography
	With Dr. Joshua Goldstein
	National Institutes of Health Trainee 2019-2021
	Northwestern University
	With the CDP under Thomas Ogorzalek
	Office for Undergraduate Research (OUR): Undergraduate Research Assistant Program Academic Year Grant, AY 2017-18
	Institute for Policy Research (IPR): Summer Research Fellow, Summer 2017
	For preliminary thesis research under Karrie Snyder
	Weinberg College Summer Grant, Summer 2016
	For work in the O'Halloran Lab
	OUR Summer Undergraduate Research Grant, Summer 2015
Courses Taught	**University of California, Berkeley**
	Graduate Student Instructor: Demography/Sociology c126: Sex, Death, and Data
Languages	English (native), Spanish (Proficient), Hebrew (Listening)

and Skills	Extensive Experience: R, R-Spatial (including `sf`, `sp`, `tmap`, and `GDAL`) JavaScript (React, GraphQL), PostgreSQL/PostGIS, QGIS, GeoDa Proficient: ArcGIS, Python, C++, Leaflet
Work Experience	Norris University Center Productions Assistant, 2017-2018 Evanston, IL
	The House of Findings Photographer, 2012-2015 Brookline, MA and Cambridge, MA
	Pediatric Dental Associates of Brookline Office Assistant, 2012-2013 Brookline, MA
Leadership and Involvement	Mariachi Luz de Oro de Berekeley General Member (Guitarron and Vihuela)
	Phi Mu Alpha Sinfonia Music Fraternity, Iota Chapter Alumni Relations, Eduction, President, and Province Representative
	Mariachi Northwestern General Member, Music Director
	Northwestern University Wildcat Welcome Peer Advisor Responsible for leading a small group, 10-day, first year orientation