

# Bertrand Wilden

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PhD Student, Political Science  
University of California San Diego

✉ [bwilden@ucsd.edu](mailto:bwilden@ucsd.edu) ☎ +1 415 624 4769 🌐 [bwilden](https://www.bwilden.com) 🌐 [bwilden.com](https://bwilden.com) | Updated: Apr. 14, 2021

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## Education

PhD Political Science (UC San Diego)	2019 -
BA Political Science, <i>summa cum laude</i> (UC San Diego)	2016 - 2018
AA (Los Angeles Harbor College)	2014 - 2016

## Research Interests

Race and Ethnic Politics · Ethics in AI/Machine Learning · Bayesian Statistics · Causal Inference

## Current Projects

**Improved Bayesian Ethnorace Prediction** I develop a method for predicting individual level race/ethnicity using Bayes' Rule. Racial distributions from a nationwide surname list are combined with distributions from geolocations to yield predicted probabilities of individuals' race and ethnicity. I expand upon existing methods by incorporating information from a nationwide list of first names as well as from residence characteristics. Along with some other adjustments, these improvements lead to substantial gains in predictive performance when validated against official state voter files.

## Software Packages

bper: Bayesian Prediction for Ethnicity and Race <https://github.com/bwilden/bper>

## Teaching

DISCUSSION SECTION LEADER

Big Data Analytics (*graduate*); Quantitative Methods (*graduate*); Machine Learning for Social Sciences

GRADER

British Politics; Political Inquiry; Voting Rights Act 50 Years Later; Quant Analysis/Congress Politics; European Integration

## Research Assistance

Center for Commerce & Diplomacy (UC San Diego) 2020

## Languages

R, Python, LaTeX, Stata