

Daniel Ober-Reynolds

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EDUCATION

Ph.D. in Economics, University of California – Los Angeles (Expected) June 2024
Advisor: Andres Santos

M.A. in Economics, University of California – Los Angeles June 2020

B.S. *Summa Cum Laude*, Arizona State University May 2016
Majors: B.S. Economics, B.A. Mathematics, B.A. Philosophy

RESEARCH

WORKING PAPERS

- “Robustness to Missing Data: Breakdown Point Analysis”
Abstract: Missing data is pervasive in econometric applications, and rarely is it plausible that the data are missing (completely) at random. This paper proposes a methodology for studying the robustness of results drawn from incomplete datasets. Selection is measured as the squared Hellinger divergence between the distributions of complete and incomplete observations, which has a natural interpretation. The *breakdown point* is defined as the minimal amount of selection needed to overturn a given result. Reporting point estimates and lower confidence intervals of the breakdown point is a simple, concise way to communicate a result’s robustness. An estimator of the breakdown point of results from GMM models is proposed and shown \sqrt{n} -consistent and asymptotically normal under mild assumptions. Confidence intervals are constructed with a simple bootstrap procedure. The paper concludes with a simulation study illustrating the good finite sample performance of the procedure.

WORK IN PROGRESS

- “Joint Distribution of Potential Outcomes: Optimal Transport Estimation”
- “Conditional Mean Inference Under Positivity Constraint”

RELEVANT EXPERIENCE

Amazon, Economist Intern June 2022 to September 2022
June 2021 to September 2021

UCLA, Research Assistant May 2019 to March 2020

Federal Reserve Bank of Richmond, Research Associate June 2016 to August 2018

TEACHING

Teaching Assistant (UCLA)

Graduate Courses

Econometrics II (ECON 203B)

Winter 2023

Undergraduate Courses

Introduction to Econometrics (ECON 103)

Fall 2020, Winter 2021, Fall 2022

Probability and Statistics for Economists (ECON 41)

Spring 2021

Microeconomic Theory (ECON 101)

Spring 2020

HONORS AND AWARDS

UCLA

Graduate Research Mentorship (GRM)

2021-2022

NSF GRFP Honorable Mention

2020

University Fellowship

2018-2019

ASU

CLAS Dean's Medalist (Economics)

Spring 2016

JP Morgan Chase Scholar

2014

Barrett, the Honors College

OTHER

Software

Python, MATLAB, R, Stata, L^AT_EX