

Ethan Deemer

Curriculum Vitae/Resume

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Education

Case Western Reserve University	Aug 2019 – May 2023
BA in Economics with Honors and Political Science College of Arts and Sciences	GPA: 3.7/4.0
Relevant Coursework: Urban Economics, Public Finance, Adv. Econometrics, Linear Algebra, Multivariate Statistics	
The University of Pennsylvania	Aug 2024 – Present
PhD Level Coursework Department of Economics	
Relevant Coursework: Real Analysis, Agricultural Development Economics, Economics of Education	

Independent Projects

<i>Analyzing Reddit's Gift-Giving Economy Through Sentiment Analysis</i>	Economics Honors Capstone
<ul style="list-style-type: none">Applied natural language processing to analyze millions of data entries of political speech from a popular online platform which were used to estimate correlation between linguistic positivity and personal expenditure.Built utility maximization model for user expenditure in a gift giving economy to estimate purchasing patterns of anonymous users.Findings: Negative language tends to drive overall engagement more but positive language results in more engagement requiring user expenditure.	
<i>Establishing the Relationship Between Tree Cover and Crime in Cleveland, OH</i>	Political Science Capstone
<ul style="list-style-type: none">Applied spatial difference-in-difference to estimate the effect that additional tree growth caused by a program promoting urban greening had on violent and property crime rates.Supported with qualitative analysis of community organizing efforts and stakeholder commentary.	

Work Experience

Predoctoral Research Assistant - Professor Gilles Duranton - Philadelphia, PA	July 2023 - Present
<ul style="list-style-type: none">Led "revise and resubmit" efforts for Quarterly Journal of Economics submission where I adapted model of urban travel speed to estimate elasticities for urban private, public, foot and bike travel.Evaluated effects of road structure, congestion pricing, and city founding date on driving speed.Computed measures of network shape to estimate effect of intersection centrality on overall road network speed.	
Predoctoral Research Assistant - Professor Fernando Ferreira - Philadelphia, PA	July 2023 - Present
<ul style="list-style-type: none">Ran data collection efforts to implement spatial difference-in-difference to analyze the tract-level market effects of the construction of Low Income Tax Credit Housing.Developed technique to format, clean, and geocode thousands of irregularly formatted addresses simultaneously.Employed two-way fixed effects model to evaluate data robustness and set expectations for later comparison.	
Undergraduate Research Assistant - Dr. Michael Henderson - Cleveland, OH	May 2022 - May 2023
<ul style="list-style-type: none">Produced key data insights for project on long-term health and behavioral impacts of childhood lead exposure.Led preparation and created slideshow for presentation of findings to researchers and government officials.	
Teaching Assistant - Professor Daniel Shoag - Cleveland, OH	Jan. 2022 - Dec. 2022
<ul style="list-style-type: none">Prepared and presented material for student instructor sessions for Public Finance and Urban Economics courses.Helped students in 1:1 office hour sessions to work through material and develop research ideas.	

Extracurricular Activities

Weatherhead Economics Society - Vice President	August 2021 - May 2023
CWRU Ohio Research Group - Program Lead	August 2022 - May 2023
Undergraduate Student Government - Speaker of The Assembly	August 2019 - May 2023

Technical Skills

Languages: Stata, Python, Unix, Bash (Sun Grid Engine), R, SQL, SAS, LaTeX, ArcGIS