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## **HARVARD UNIVERSITY**

Placement Director: Marcella Alsan	<a href="mailto:marcella_alsan@hks.harvard.edu">marcella_alsan@hks.harvard.edu</a>	617-495-1923
Director: Nicole Tateosian	<a href="mailto:nicole_tateosian@hks.harvard.edu">nicole_tateosian@hks.harvard.edu</a>	617-496-4485

### **Undergraduate Studies**

Pomona College, 2015  
B.A. Economics, *summa cum laude*  
Minor in environmental analysis

### **Graduate Studies**

Harvard University, 2017 to present  
Ph.D. Candidate in Public Policy (Economics Track)  
Expected Completion Date: May 2023  
Harvard Environmental Economics Pre-Doctoral Fellow

### **References:**

Professor David Cutler  
Harvard University  
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Professor Joseph Aldy  
Harvard Kennedy School  
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Professor Edward Glaeser  
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Harvard Kennedy School  
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### **Research and Teaching Fields**

Environmental Economics, Health Economics, Public Economics, Labor Economics

### **Teaching Experience**

2021 (Spring)	Economics of Climate Change and Environ. Policy, Robert Stavins, Head Teaching Fellow
2020 (Fall)	Markets and Market Failures, Pinar Dogan, Marcella Alsan, and Janina Matuszeski, Teaching Fellow
2020 (Spring)	Economics of Climate Change and Environmental Policy, Robert Stavins, Teaching Fellow
2019 (Fall)	American Economic Policy, Jeffrey Liebman and Lawrence Summers, Teaching Fellow

### **Research Experience**

2020	Harvard Kennedy School, Research Assistant to Joseph Aldy and Robert Stavins
2018	Harvard Department of Economics, Research Assistant to James Stock
2017-2018	Harvard Department of Economics, Research Assistant to Edward Glaeser
2015-2017	Resources for the Future, Research Assistant
2014	The Urban Institute, Summer Intern
2010-2013	National Center for Atmospheric Research, Summer Intern

### **Selected Honors, Scholarships, and Fellowships**

2021	Agricultural and Applied Economics Association Quality of Research Discovery Award
2021	Derek Bok Certificate of Distinction in Teaching
2020	Joseph Crump Fellowship
2017-2022	Harvard Environmental Economics Program (HEEP) Pre-doctoral Fellow
2015	Morris B. Pendleton Prize in Economics, Pomona College
2015	Distinction in the Senior Exercise, Pomona College
2014	Leland M. Backstrand Memorial Award in Economics, Pomona College
2014	Phi Beta Kappa, Pomona College (Spring)

### **Publications**

“The price of biodiesel RINs and economic fundamentals.” 2020. (with Scott H. Irwin and James H. Stock). *American Journal of Agricultural Economics* 102(3), 734-752.

“The roles of energy markets and environmental regulation in reducing coal-fired plant profits and electricity sector emissions.” 2019. (with Joshua Linn). *RAND Journal of Economics* 50(4), 733–767.

“Consignment auctions of free emissions allowances.” 2017. (with Dallas Burtraw). *Energy Policy* 107, 337-344.

“The Supreme Court’s stay of the Clean Power Plan: Economic assessment and implications for the future.” 2016. (with Joshua Linn and Dallas Burtraw). *Environmental Law Reporter* 46(10), 10859-10872.

“Using weather forecasts to help manage meningitis in the West African Sahel.” 2015. (with Rajul Pandya, Abraham Hodgson, and others). *Bulletin of the American Meteorological Society* 96(1), 103-115.

### **Job Market Paper**

“Education Under Extremes: Temperature, Student Absenteeism, and Disciplinary Infractions”

Abstract: This paper investigates how extreme temperatures affect school absences and disciplinary referrals, two dimensions of student behavior that are predictive of worse academic and later life outcomes. Using daily student-level data from a large urban school district, I leverage between-year variation to estimate the causal effect of temperature on student behavior. Absenteeism increases in response to both hot and cold conditions, particularly for Black and Hispanic students. Hot conditions also increase the likelihood that a student will receive a disciplinary referral, a result driven by students attending schools without air conditioning. I find that extreme temperatures widen existing racial and socioeconomic disparities in student behavioral outcomes. Results offer a pathway through which academic outcomes are affected by heat and suggest that warming conditions will exacerbate inequality in the student experience, particularly for children who lack access to air conditioning.

### **Reports and Presentations**

“How do stressful environmental conditions affect student behavior?” 2022. Northeast Workshop on Energy Policy and Environmental Economics.

“Cap-and-trade with sunk abatement costs.” 2020. (with Joshua Linn). Association of Environmental and Resource Economists Summer Conference. Policy Modeling Session.

“Approaches to address potential CO<sub>2</sub> emissions leakage to new sources under the Clean Power Plan.” 2016. (with Dallas Burtraw, Joshua Linn, Karen Palmer, Anthony Paul, and Hang Yin). Comments to the US EPA on its proposed federal plan and model trading rules for the Clean Power Plan. Resources for the Future Report.

“Reversing the Medicaid fee bump: How much could Medicaid physician fees for primary care fall in 2015?” 2014. (with Stephen Zuckerman and Laura Skopec). Urban Institute. Health Policy Center Brief.

“Wind energy resource assessment: Information production, uses, and value - Survey report. 2014.” (with Katherine Dickinson, Luca Delle Monache, and Pierre Magontier). NCAR Technical Note.

“The relationship between meningococcal meningitis and proximity to bodies of water: A case study of northern Ghana.” 2013. (with Thomas Hopson, Mary Hayden, and others). American Meteorological Society Annual Meeting. Fourth Conference on Environment and Health. Austin, TX.

### **Professional Service**

Referee: *American Economic Journal: Economics Policy, Journal of Urban Economics, Journal of Behavioral and Experimental Economics, Climate Policy, PLOS ONE*

#### Other Service

2020-pres.	Graduate Women in Economics, Harvard Department of Economics, Core Team
2019-pres.	Non-Resident Tutor, Pre-Careers Team, Lowell House
2022-pres.	Harvard/MIT Application Assistance and Mentoring Program