

# Xinming Du

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## EDUCATION

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**Columbia University** 2017-2023 (expected)  
PhD in Sustainable Development (Econ & Natural Sci, STEM), School of International and Public Affairs

### References

Douglas Almond da2152@columbia.edu	Jeffrey Shrader jgs2103@columbia.edu	Wolfram Schlenker ws2162@columbia.edu
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Master of Philosophy in Sustainable Development 2021

Master of Arts in Sustainable Development 2020

- Fields: Environmental Economics, Applied Microeconomics, Health Economics
- Coursework in PhD-level Economics: Econ PhD's core Microeconomics sequence, Econometrics sequence; Microeconometrics (causal inference), Macroeconometrics (time series forecasting), Environmental and Resource Economics, Health Economics, Labor Economics.
- Coursework in Data Science & Natural Science: Machine Learning, Python Programming, Remote Sensing, Environmental Science, Atmospheric Chemistry

**Tsinghua University** 2013-2017  
Bachelor of Arts in Economics; Bachelor of Engineering in Environmental Engineering

## PUBLICATIONS

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- [1] Favorability Towards Natural Gas Relates to Funding Source of University Energy Centers (with Douglas Almond, Anna Papp). *Nature Climate Change*, 2022.
- [2] Competing with Clean Air: Pollution Disclosure and College Desirability. *Ecological Economics*, 2023, 204: 107631.
- [3] Reduced Trolling on Russian Holidays and Daily US Presidential Election Odds (with Douglas Almond, Alana Vogel). *PLOS ONE*, 2022, 17(3): e0264507.
- [4] Ambiguous Pollution Response to COVID-19 in China (with Douglas Almond, Valerie Karplus, Shuang Zhang). *AEA Papers and Proceedings*, 2021, 111: 376-80.
- [5] Later Bedtimes Predict President Trump's Performance (with Douglas Almond). *Economics Letters*, 2020, 197: 109590.
- [6] Transboundary Air Pollution from Coal-fired Power Generation (with Xiaomeng Jin, Noah Zucker, Ryan Kennedy, Johannes Urpelainen). *Journal of Environment Management*, 2020, 270: 110862.
- [7] Lessons Learned from China's Regional Carbon Market Pilots (with Junjie Zhang, Zhenxuan Wang). *Economics of Energy and Environmental Policy*, 2017, 6(2): 19-38.

## WORKING PAPERS

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- [1] Symptom or Culprit? Social media, Air Pollution, and Violence. *Job Market Paper*.
- [2] Summertime Sadness: Hot Weather Causes Worse Flight and Train Performance. *SSRN*: <https://ssrn.com/abstract=3504234>
- [3] Economic Impact of COVID-19 Containment Policies: Evidence Based on Novel Surface Heat Data from the People's Republic of China (with Elaine S. Tan, Yasuyuki Sawada, Yesim Elhan-Kayalar). *Asian Development Bank Economics Working Paper No. 673*. *SSRN*: <https://ssrn.com/abstract=4258493>
- [4] Intra-household Transmission of Infectious Disease and Gender Inequality
- [5] China's Air Pollution Response to the U.S.-China Trade War (with Yining Zhu).

## SELECTED RESEARCH & WORK EXPERIENCE

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Fund Internship Program, The International Monetary Fund	2022
Short-term Consultant, Chief Economist Office, The World Bank	2021
Part-time Consultant, Chief Economist Office, Asian Development Bank	2021
Fellow, Center for Environmental Economics and Policy, Columbia University	2019-Present
Graduate Research Fellow at the Economics Department, Columbia University	2018-2020
Student Fellow, Initiative for Sustainable Energy Policy, Johns Hopkins University	2018-Present

## TEACHING EXPERIENCE

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### Teaching Fellow at Columbia University

Microeconomics & Public Policy I (master, IO & Game Theory)	Fall 2021
Microeconomics & Public Policy II (master, Labor)	Spring 2019
Principles of Economics (undergrad, Micro & Macro)	Fall 2018, Spring 2021, Spring 2022
Globalization and its Risks (undergrad, Environmental Econ)	Fall 2020

## SEMINAR & CONFERENCE PRESENTATIONS

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Southern Economic Association Annual Meeting	Nov 2022 (scheduled)
Western Economic Association International Annual Conference	Jun 2022
Northeast Workshop on Energy Policy and Environmental Economics (eggtimer)	Jun 2022
SusDeveR Biennial Symposium	May 2022
Royal Economic Society Annual Conference	Apr 2022
CESifo Area Conference on Energy and Climate Economics	Mar 2022
Asian Development Bank Economists' Forum	Jan 2022
Economic Research Department Seminar at the Asian Development Bank	Apr 2021
Allied Social Sciences Associations (ASSA) Annual Meeting	Jan 2021
Interdisciplinary PhD Workshop on Sustainable Development	Apr 2020, Apr 2022
Sustainable Development Colloquium at Columbia University	2019-2022

## AWARDS & FELLOWSHIP

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Dissertation Fellowship for Doctoral Students, Columbia University	2022-2023
Dean's Fellowship for Doctoral Students, Columbia University	2017-2022
Student Research Grant, Center for Development Economics & Policy, Columbia University	2019, 2021
Scientific Research Scholarship, Tsinghua University	2016
Academic Excellence Scholarship, Tsinghua University	2014

## SKILLS & OTHERS

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### Referee

Applied Economics Letters, Scientific Reports; AERE-SEA conference

### Service

Web master or Sustainable Development Doctoral Society (AY 2019-2020); Organizing committee for Interdisciplinary PhD Workshop on Sustainable Development (Apr 2019), Alliance Summer School in Science and Policy (Paris, France, Jun 2018), Big Data Expo (Guiyang, China, May 2017)

### Software

Python, SQL, Stata, R, MATLAB, ArcGIS, ENVI, L<sup>A</sup>T<sub>E</sub>X

### Certificate

Passed Financial Risk Management (FRM) I

### Language

Mandarin Chinese (Native), English, Italian (Basic)

### Personal

Born: July 1995 in China. Citizenship: Chinese