Arnav Sood

Ph.D. Student in Economics, Carnegie Mellon University

Personal

Office: Tepper Quad 4218B, 4765 Forbes Ave., Pittsburgh 15213

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Citizenship: US Citizen, Canada PR

Interests

Macroeconomics, Computational Economics, Computational Econometrics

Education

(In-Progress) Ph.D. Economics, Carnegie Mellon University

B.A. Mathematics, New York University   2018

Employment

Predoctoral Fellow, Univeristy of British Columbia   2018–2020

Lead Developer, QuantEcon   2019–2020

Prior Experience   2014–2018

- Research Assistant to Laura Veldkamp
- Economics Research Intern, Office of the Comptroller of the Currency
- Intern, Morgan Stanley Bank, N.A.

Working Papers

Ebrahimi Kahou, M., Fernández-Villaverde, J., Perla, J. & **Sood**, **A.** *Exploiting Symmetry in High-Dimensional Dynamic Programming* Working Paper 28981 (National Bureau of Economic Research, July 2021). http://www.nber.org/papers/w28981.

Software

Expectations.jl: Expectation operators for distribution objects using Gaussian quadrature.

InstantiateFromURL.jl: Bind Jupyter notebooks to web-hosted dependency TOML.

Other Writing

Optimal Stopping and Linear Complementarity. (With Jesse Perla.) QuantEcon Notes.

- Computational Appendix.

Customer Feedback (Secondhand Alchemical Goods). Daily Science Fiction.

Grants and Awards

William Larimer Mellon Fellowship, Carnegie Mellon   2021

Presidential Honors Scholar, New York University   2014

National Merit Scholarship Finalist   2014

Talks, Panels, and Presentations

2020: JuliaCon

2022: ASSA "What Can AI Do in Economics?"

Teaching

Guest Lecturer, University of British Columbia   2018–2020

Other Activities

Volunteer Tech Support, Free Geek Vancouver

Volunteer Teacher, Splash! (Various Universities)