

Arnav Sood

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Ph.D. Student in Economics, Carnegie Mellon University

Personal

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Interests

Econometrics, Macroeconomics, Computational Economics

Education

(*In-Progress*) Ph.D. Economics, Carnegie Mellon University
B.A. Mathematics, New York University 2014–2018
Dual-Enrolled Math Student, Princeton University 2013

Employment

Predoctoral Fellow, Univeristy of British Columbia 2018–2020
– Member of [Centre for Artificial Intelligence Design and Action](#)
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>.

Works in Progress

Sood, A. & Best, J. *Frequentist Persuasion*

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
NJ Governor's School of Engineering & Technology	2013

Talks, Panels, and Presentations (Invited Meetings*)

2020: JuliaCon (poster and talk)
2022: ASSA "What Can AI Do in Economics?", Econometric Society Summer School in Dynamic Structural Econometrics*
2023: PETCO (poster)

Teaching

TA (CMU)	Computational Methods (PhD)	2023
TA (CMU)	Statistical Decision Making (MBA)	2023
TA (CMU)	Strategic Corporate Management (MBA)	2023
TA (CMU)	Metrics III (PhD)	2023
TA (CMU)	Macro III (PhD)	2023
TA (CMU)	Macro II (PhD)	2023
TA (CMU)	Macro I (PhD)	2022

Other Activities

Volunteer Tech Support, Free Geek Vancouver
Volunteer Teacher, Splash! (Various Universities)