KARUN ADUSUMILLI
Department of Economics
University of Pennsylvania
Philadelphia, USA

Academic Position

2018-PRESENT UNIVERSITY OF PENNSYLVANIA
    Assistant Professor of Economics

Education

2018   London School of Economics
            Doctor of Philosophy in Economics

2013   London School of Economics
            MSc Econometrics and Mathematical Economics

2011   Indian Institute of Technology, Delhi
            B.Tech in Engineering Physics

Working Papers

2019   Dynamically optimal treatment allocation using Reinforcement Learning, (joint with Friedrich Geiecke and Claudio Schilter), *arXiv preprint arXiv:1904.01047 (2019).*

2019   Temporal-Difference estimation of dynamic discrete choice models, (joint with Dita Eckardt), *arXiv preprint arXiv:1912.09509 (2019).*

2018   Bootstrap inference for Propensity Score Matching, *Updated: August 2019*

2018   Likelihood ratio inference for missing data models, (joint with Taisuke Otsu), *Updated: June 2019*

Publications

2019   Inference on distribution functions under measurement error, (joint with Daisuke Kurisu, Taisuke Otsu, and Yoon-Jae Whang), *Journal of Econometrics*, Volume 215, Number 1, March 2020, pp. 131-164.

2018   "Nonparametric instrumental regression with errors in variables", (joint with Taisuke Otsu), *Econometric Theory*, 2018, 34(6), 1256-1280

2017   "Empirical Likelihood for random sets", (joint with Taisuke Otsu), *Journal of the American Statistical Assosciation*, Volume 112, Number 519, April 2017, pp. 1064-1075.

Work in Progress

2020   Unobserved heterogeneity, Grouped Random Effects and the EAMP algorithm

| 2020 | Latent Matching Models: Variational inference for Bipartite networks |
| 2020 | Dynamic treatment regimes as off-policy Reinforcement Learning (joint with Kan Xu) |

Honors and Awards

2019	John Hicks prize for outstanding PhD Dissertation
2014	John Hicks prize for outstanding performance in MRes Economics
2013	Ely Devons prize for exceptional performance in MSc
2011	JN Tata endowment scholarship
2010	MITACS Globalink fellowship
2005	National Talent Search Scholarship (Govt. of India)

Service

Reviewer for *Econometric Theory, Journal of Business and Economic Statistics, Econometric Reviews, Journal of Econometrics, Quantitative Economics, IEEE Transactions on Signal Processing, Metrika*

Teaching Experience

2019/20	Econ 103 - Statistics for Economists; Econ 705 - Econometrics I: Fund
2018/19	Econ 103 - Statistics for economists
2013/18	Teaching fellow - London School of Economics

Presentations

| 2019/20 | Vanderbilt, Yale, Brown, North Carolina State University, Bristol Econometrics study group, AEA-ASSA annual meetings |
| 2018/19 | Columbia, Penn State, University of Virginia, Princeton, Harvard-MIT, Greater New York Area econometrics conference, CEMMAP/UCL conference on Personalized treatment, Duke |