

BREAD IGC Economics of Education Course:

Reading List for lectures by Karthik Muralidharan (UC San Diego)

Background (for both lectures):

- Glewwe, Paul, and Karthik Muralidharan. 2016. 'Improving School Education Outcomes in Developing Countries: Evidence, Knowledge Gaps, and Policy Implications.' in Eric A. Hanushek, Steven Machin and Ludger Woessman (eds.), *Handbook of the Economics of Education*.

Open access copy at:

[https://econweb.ucsd.edu/~kamurali/papers/Published_Book_Chapters/School Education Developing Countries.pdf](https://econweb.ucsd.edu/~kamurali/papers/Published_Book_Chapters/School_Education_Developing_Countries.pdf)

- Muralidharan, Karthik. 2017. 'Field Experiments in Education in Developing Countries.' in Abhijit V Banerjee and Esther Duflo (eds.), *Handbook of Field Experiments*.

Open access copy at:

https://econweb.ucsd.edu/~kamurali/papers/Published_Book_Chapters/FEEDC_2017.pdf

Combining research and policy in education (including discussions of ethics, and politics):

- Karthik Muralidharan in conversation with Amit Varma on Fixing Indian Education
<https://seenunseen.in/episodes/2020/8/9/episode-185-fixing-indian-education/>

Lecture 1: School Governance

I will briefly discuss all these papers and spend more time on the (*) and () papers**

Banerjee, Abhijit, Rukmini Banerji, Esther Duflo, Rachel Glennerster, and Stuti Khemani.

2010. 'Pitfalls of Participatory Programs: Evidence From a Randomized Evaluation in Education in India', *American Economic Journal: Economic Policy*, 2: 1-30.

Barlevy, Gady, and Derek Neal. 2012. 'Pay for Percentile', *American Economic Review*, 102: 1805-31.

Brown, Christina, and Tahir Andrabi. 2021. "Inducing Positive Sorting through Performance Pay: Experimental Evidence from Pakistani Schools." In.: University of Chicago.

Chaudhury, Nazmul, Jeffrey Hammer, Michael Kremer, Karthik Muralidharan, and F.

- Halsey Rogers. 2006. 'Missing in Action: Teacher and Health Worker Absence in Developing Countries', *Journal of Economic Perspectives*, 20: 91-116.
- * de Ree, Joppe, Karthik Muralidharan, Menno Pradhan, and Halsey F Rogers. 2018. 'Double for Nothing: Experimental Evidence on an Unconditional Teacher Salary Increase in Indonesia', *Quarterly Journal of Economics*, 133: 993-1039.
- Duflo, Esther, Pascaline Dupas, and Michael Kremer. 2015. 'School Governance, Teacher Incentives and Pupil-Teacher Ratios: Experimental Evidence from Kenyan Primary Schools', *Journal of Public Economics*, 123: 92-110.
- * Duflo, Esther, Rema Hanna, and Stephen Ryan. 2012. 'Incentives Work: Getting Teachers to Come to School', *American Economic Review*, 102: 1241-78.
- Kremer, Michael, Karthik Muralidharan, Nazmul Chaudhury, F. Halsey Rogers, and Jeffrey Hammer. 2005. 'Teacher Absence in India: A Snapshot', *Journal of the European Economic Association*, 3: 658-67.
- Lavy, Victor. 2002. 'Evaluating the Effect of Teachers' Group Performance Incentives on Pupil Achievement', *Journal of Political Economy*, 110: 1286-317.
- — —. 2009. 'Performance Pay and Teachers' Effort, Productivity, and Grading Ethics', *American Economic Review*, 99: 1979 - 2011.
- Lazear, Edward. 2006. 'Speeding, Terrorism, and Teaching to the Test', *Quarterly Journal of Economics*, 121: 1029-61.
- Leaver, Clare, Owen Ozier, Pieter Serneels, and Andrew Zeitlin. 2021. 'Recruitment, Effort, and Retention Effects of Performance Contracts for Civil Servants: Experimental Evidence from Rwandan Primary Schools', *American Economic Review*, 111: 2213-46.
- * Mbiti, Isaac, Karthik Muralidharan, Mauricio Romero, Youdi Schipper, Constantine Manda, and Rakesh Rajani. 2019. 'Inputs, Incentives, and Complementarities in Education: Experimental Evidence from Tanzania', *Quarterly Journal of Economics*, 134: 1627-73.
- Muralidharan, Karthik. 2012. "Long Term Effects of Teacher Performance Pay: Experimental Evidence from India." In.: UC San Diego.
- Muralidharan, Karthik, Jishnu Das, Alaka Holla, and Aakash Mohpal. 2017. 'The Fiscal Costs of Weak Governance: Evidence from Teacher Absence in India', *Journal of Public Economics*.
- * Muralidharan, Karthik, and Abhijeet Singh. 2021. "Improving Public Sector Management at Scale: Experimental Evidence on School Governance in India." In.: NBER Working Paper 28129.
- ** Muralidharan, Karthik, and Venkatesh Sundararaman. 2011. 'Teacher Performance Pay: Experimental Evidence from India', *Journal of Political Economy*, 119: 39-77.
- — —. 2013. "Contract Teachers: Experimental Evidence from India." In.: NBER Working Paper 19440.
- Rau, Tomas B., and Dante G. Contreras. 2012. 'Tournaments incentives for teachers: Evidence from a Scaled-Up Intervention in Chile', *Economic Development and Cultural Change*, 61: 219-46.

Lecture 2: Technology in Education

I will briefly discuss all these papers and spend more time on the (*) and (**) papers

- Angrist, Noam, Peter Bergman, and Moitshepi Matsheng. 2021. "School's Out: Experimental Evidence on Limiting Learning Loss Using "LowTech" in a Pandemic." In.: Columbia University.
- Banerjee, Abhijit, Shawn Cole, Esther Duflo, and Leigh Linden. 2007. 'Remedying Education: Evidence from Two Randomized Experiments in India', *Quarterly Journal of Economics*, 122: 1235-64.
- Beg, Sabrin, Adrienne Lucas, Waqas Halim, and Umar Saif. Forthcoming. 'Engaging Teachers with Technology Increased Achievement, Bypassing Teachers Did Not', *American Economic Journal: Economic Policy*.
- Beuermann, Diether W., Julian Cristia, Santiago Cueto, Ofer Malamud, and Yyannu Cruz-Aguayo. 2015. 'One Laptop per Child at Home: Short-Term Impacts from a Randomized Experiment in Peru', *American Economic Journal: Applied Economics*, 7: 53-80.
- Bianchi, Nicola, Yi Lu, and Hong Song. 2021. "The Effect of Computer-Assisted Learning on Students' Long-Term Development." In.: Northwestern University.
- Cristia, Julian, Pablo Ibararán, Santiago Cueto, Ana Santiago, and Eugenio Severín. 2017. 'Technology and Child Development: Evidence from the One Laptop per Child Program ', *American Economic Journal: Applied Economics*, 9: 295-320.
- Derksen, Laura, Catherine Michaud-Leclerc, and Pedro C L Souza. 2022. 'Restricted access: How the internet can be used to promote reading and learning', *Journal of Development Economics*, 155.
- Ferman, Bruno, Lylia Lima, and Flavio Riva. 2021. "Artificial Intelligence, Teacher Tasks and Individualized Pedagogy." In.: Sao Paulo School of Economics.
- Malamud, Ofer, and Christian Pop-Eleches. 2011. 'Home Computer Use and the Development of Human Capital', *Quarterly Journal of Economics*, 126: 987-1027.
- ** Muralidharan, Karthik, Abhijeet Singh, and Alejandro Ganimian. 2019. 'Disrupting Education? Experimental Evidence on Technology-Aided Instruction in India', *American Economic Review*.
- Navarro-Sola, Laia. 2021. "Secondary Schools with Televised Lessons: The Labor Market Returns of the Mexican Telesecundaria." In.: IIES Stockholm.
- * Singh, Abhijeet. 2021. "The Myths of Official Measurement: Auditing and Improving Administrative Data in Developing Countries." In.: Stockholm School of Economics.