

16th August 2023 (subject to change)

Lecture 1: Education Flows, Skill Acquisition, and Brain Gain v Brain Drain

The goal of this class is to understand the interplay between human capital investments and migration. We dive deep into the debate about brain drain, brain gain, and brain circulation. This entails understanding effects on both the destination countries, and also the origin countries. How migration affects changing returns to skills, and eases liquidity constraints for human capital investments. How education flows are determined by push factors in sending countries, and pull factors in destination countries. We will generally be covering both the theory, and the empirics (with a stress on empirical methods), with a little more in-depth analysis on starred papers (**).

- ** Khanna, Gaurav and Morales, Nicolas. 2023. “The IT Boom and Other Unintended Consequences of Chasing the American Dream”. Working Paper.
https://www.econgaaurav.com/files/ugd/f85d25_c4b964f804604cadaeb7987f83eae6b3.pdf
- Bound, John, Breno Braga, Gaurav Khanna and Sarah Turner. 2017. “A Passage to America: University Funding and International Students.” (American Economic Journal: Economic Policy) <http://www.nber.org/papers/w22981>
- Shih, Kevin. 2017. “Do International Students Crowd-Out or Cross-Subsidize Americans in Higher Education?” Journal of Public Economics
http://kevinshih.weebly.com/uploads/5/5/8/7/5587146/shih_crowdcross_2017.pdf
- Shreshta, Slesh. 2015. “No Man Left Behind: Effects of Emigration Prospects on Educational and Labor Outcomes of Non-migrants”, *Economic Journal*
http://staffpages.nus.edu.sg/fas/ecssas/Home_files/NoManLeftBehind_Shrestha_June2015.pdf
- McKenzie, D. and Rapoport, H. (2011). Can migration reduce educational attainment? Evidence from Mexico. *Journal of Population Economics*, 24(4):1331–1358
<https://www.jstor.org/stable/41488354>
- ** Khanna, Murathanoglu, Theoharides and Yang (2022): “Abundance from Abroad Migrant: Income and Long-Run Economic Development” Working Paper.
https://www.econgaaurav.com/files/ugd/f85d25_3e653183fc51498ba583e9613f8be017.pdf
- Paolo Abarcar and Caroline Theoharides, "Medical Worker Migration and Origin-Country Human Capital: Evidence from U.S. Visa Policy." *Review of Economics and Statistics*, September 2021.
https://www.amherst.edu/system/files/2021_09_12_draft_FINAL_submit.pdf
- ** Khanna, Gaurav, Kevin Shih, Ariel Weinberger, Mingzhi Xu and Miaojie Yu “Trade Liberalization and Chinese Students in US Higher Education”. *Review of Economics and Statistics*.
https://www.econgaaurav.com/files/ugd/f85d25_b25311149edb422bad89522ba2f0ba6a.pdf

Lecture 2: Skills and Scientific Production, Innovation and Growth

This class builds on the previous lecture to first unpack how the flows of skills affect scientific production, innovation and economic growth. Since economic growth is a major driver of aggregate economic well-being, the role immigration plays is crucial. We will generally be covering both the theory, and the empirics (with a stress on empirical methods), with a little more in-depth analysis on starred papers (**).

- **Moser, Petra, Alessandra Voena, and Fabian Waldinger. 2013. “German-Jewish Emigres and U.S. Invention.” *American Economic Review*.
<https://www.aeaweb.org/articles.php?doi=10.1257/aer.104.10.3222>
 - Borjas, George, and Kirk Doran. 2014. “How High-Skilled Immigration Affects Science: Evidence from the Collapse of the Soviet Union.” *Innovation Policy and the Economy*. <https://www.journals.uchicago.edu/doi/full/10.1086/680058>
- ** Kerr, William R., and William F. Lincoln. 2010. "The Supply Side of Innovation: H-1B Visa Reforms and U.S. Ethnic Invention." *Journal of Labor Economics* 28(3): 473–508.
https://www.hbs.edu/ris/Publication%20Files/Kerr_Lincoln%20JOLE10_H1B_004ee3c4-35ed-4ddd-8c36-6bff31082a4a.pdf
- Giovanni Peri & Kevin Shih & Chad Sparber, 2015. "STEM Workers, H-1B Visas, and Productivity in US Cities," *Journal of Labor Economics*
<http://giovanniperi.ucdavis.edu/uploads/5/6/8/2/56826033/stem-workers.pdf>
- Shai Bernstein, Rebecca Diamond, Abhisit Jiranaphawiboon, Timothy McQuade & Beatriz Pousada. “The Contribution of High-Skilled Immigrants to Innovation in the United States.” NBER Working Paper. <https://www.nber.org/papers/w30797>
- ** Doran, Kirk and Chunggeun Yoon “Immigration and Invention: Evidence from the Quota Acts”. Working Paper. https://storage.googleapis.com/production-bluehost-v1-0-6/836/1437836/Xvh0khf3/7bd21dc16e9a47fc9f23ad1f564492c1?fileName=Doran_Quotas.pdf
 - Ran Abramitzky, Philipp Ager, Leah Boustan, Elior Cohen and Casper Worm Hansen. ““The Effects of Immigration on the Economy: Lessons from the 1920s Border Closure.” *American Economic Journal: Applied Economics*, 2023.
<https://lboustan.scholar.princeton.edu/sites/g/files/toruqf4146/files/lboustan/files/w26536.pdf>
- Terry, Stephen, Thomas Chaney, Konrad Burchardi, Lisa Tarquinio, and Tarek Hassan. “Immigration, Innovation, and Growth”. Working Paper.
<https://drive.google.com/file/d/1AbZeex6bb12cZmL6m3Z3iqXr0Yx24VSV/view>