

BROWN UNIVERSITY

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References

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JOB MARKET PAPER

Does Free Childcare Improve Mothers' Careers? Evidence from São Paulo

with Marcela Mello and Rafael Latham-Proença

Despite the extensive literature on the effect of childcare on mothers' labor market outcomes, evidence in developing countries is still limited. This paper estimates the impact of a rapid expansion of public childcare on mothers' careers in the city of Sao Paulo. We leverage the rollout and expansion of childcare facilities, coupled with detailed data on the labor market and household characteristics to identify effects on mothers' labor force participation and earnings. Our results show that an additional seat per child leads to an increase of 6 p.p. (20%) in the mothers' formal employment after the first child's birth and an increase of one month's minimum wage on yearly earnings. Effects are stronger for migrants, educated mothers and in areas with more women as household heads. We do not detect any effect of this expansion on mothers-to-be or fathers.

WORKING PAPERS

Optimizing Incentives for Solar: Accounting for Regional Differences in Emissions

Although federal incentives for residential rooftop solar do not discriminate between US states, there is substantial variation in the marginal emission reductions associated with solar across states. This variation indicates potentially large efficiency gains from having flexible state-by-state incentives. In this paper I estimate the supply and demand elasticities for new rooftop solar installations, using state-level incentives as an instrument. I find a demand elasticity of 11% and supply elasticity consistent with the perfectly elastic case. I then use these parameters to show that the state-by-state subsidy scheme that minimizes yearly emissions is 61% more efficient than the uniform incentive. These results can be useful as the Inflation Reduction Act of 2021 includes unprecedented funding allocation for climate policy, including incentives for residential rooftop solar generators.

Child Disability and Mothers' Work: Evidence from the Zika Virus Outbreak

With Marcela Mello and Rafael Latham-Proença

Severe child disability is among the most consequential events to parent's labor market outcomes, but there is still a small literature studying its effects. We study this question in the context of the Zika Virus epidemic in Brazil, which caused thousands of children to be born with microcephaly. We argue that several characteristics of the epidemic make it suitable as a natural experiment. Infection was sudden and the link between Zika and microcephaly was unknown at the time. Using data on the universe of births and formal employment links in the country, we show that affected mothers had similar labor market trajectories to other mothers before childbirth. However, starting 9 months after childbirth, they are 20% (10 p.p.) less likely to have a formal job. These effects persist over time. We do not observe any effects for fathers' labor market outcomes.

TEACHING

- Teaching excellence award in 2021 for MPA course
- Graduate-level: Macroeconomics (Prof. Galor), Econometrics (Prof. Norets)
- MPA: Microeconomics (Prof. Steinberg), Statistics (Prof. Friedman), Econometrics (Prof. Thakral), Public Policy (Prof. Poterack)
- Undergraduate-level: Environmental Economics (Prof. Poterack), Public Economics (Prof. Poterack)

EDUCATION

Brown University

Ph.D. Candidate in Economics

Providence, RI, USA

2018 – May 2024 (Expected)

Fundacao Getulio Vargas

M.A. Economics

Sao Paulo, Brazil

2015 – 2015

University of Sao Paulo

B.A. Economics

Sao Paulo, Brazil

2012 – 2013

OTHER

- **Conferences:** NEUDC 2022; Monash Environmental Economics Workshop 2023 (expected December)