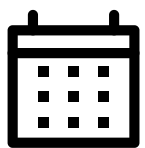


"HETEROGENEITY IN INTERGENERATIONAL TRANSMISSION OF HEALTH: A RECURSIVE PARTITIONING APPROACH"



IISERB

Using recent nationally representative survey data from India, this paper estimates intergenerational transmission of health from mothers to infants across varying maternal circumstances. We adopt a novel model-based recursive partitioning algorithm from the Machine Learning literature that uses econometric tests for parameter instability to identify different maternal circumstance profiles. We further explore the role of the prenatal healthcare policies in affecting this coefficient of intergenerational transmission of health within each maternal circumstance profile. We identify and characterize sets of socio-economic, demographic attributes that constitute different maternal circumstance profiles with varying coefficients of intergenerational transmission. The results demonstrate sufficient heterogeneity in the coefficient of transmission with worse-off circumstances exhibiting a higher magnitude of transmission. Only specific antenatal healthcare variables show any effect on intergenerational health transmission.



29 AUGUST 2023, 10:00 AM

LHC : L-2



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Her research interests lie in the intersection of applied econometrics (including Machine Learning and Causal Inference techniques) and development economics and health economics. Her area of expertise is in maternal and child health outcomes, child mortality and morbidity, malnutrition, immunization, health insurance and health financing. She uses Machine Learning techniques to improve targeting of public policies.

DEPARTMENT OF ECONOMIC SCIENCES