Linking climate change, temperature variability, and poverty

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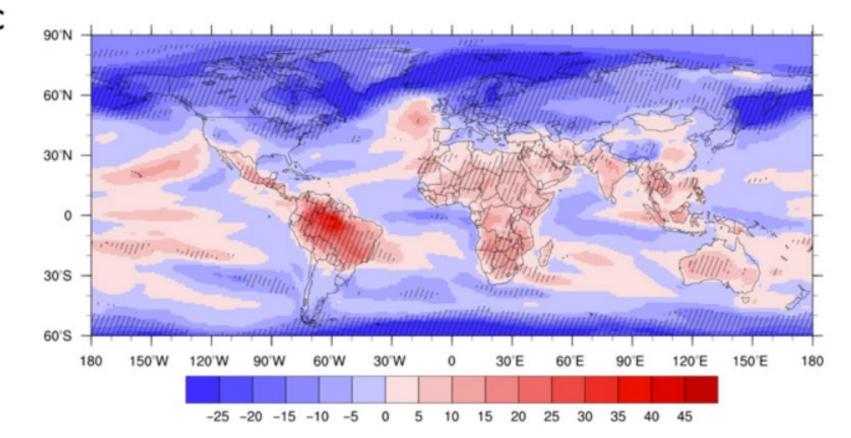


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Climate change is predicted to lead to increases in temperature variability



"Poor countries are located in the (...) hotspot regions of increasing temperature variability." (Source: Bathiany et al., 2018)

Fig. 1 Relative changes of SD of monthly temperature anomalies until the end of the 21st century.

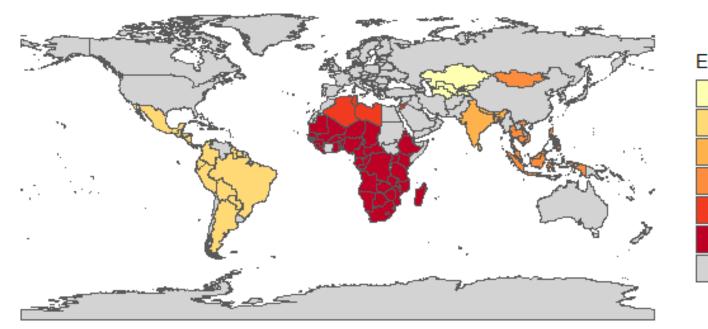
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Higher variability is linked to poverty

Impact of temperature variability on household wealth by region 89 countries

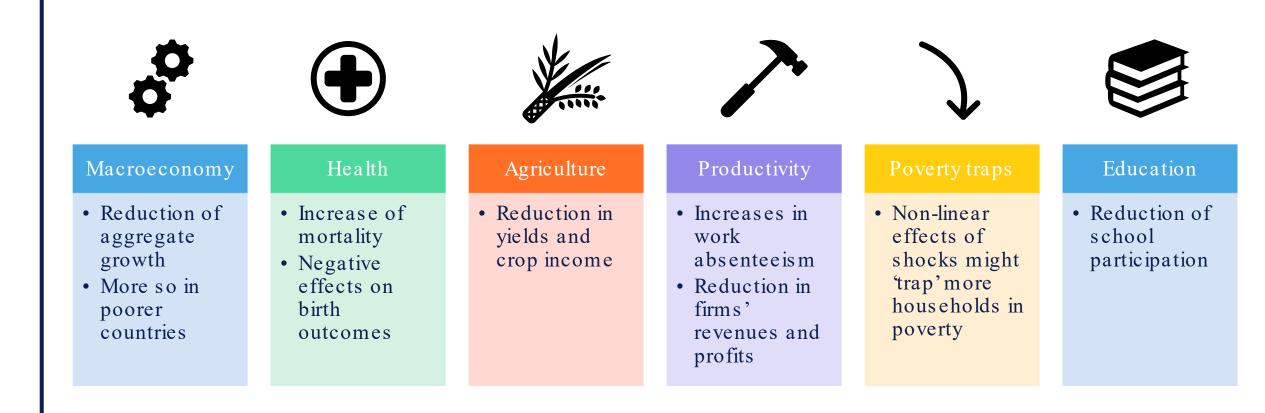


Estimated relationship Weak relationship Strong relationship

Using big data, we estimate significant negative effects oftemperature variability on household wealth in LMIC.

NA

Channels are varied and complex



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