

## Labor Response to Climate Variation in Eastern Africa

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*Understanding how climate variability affects workers is crucial to adaptation policy design. We develop a multi-activity labor allocation model of individual responses to climate shocks. Combining high-resolution climate data with panel surveys of labor participation by sector, contractual arrangement, and migration status, we apply the model to assess responses to local temperature anomalies in four East African countries. Non-agricultural activities are hardest hit by high temperatures, particularly in urban areas. Results suggest a ceteris paribus 2 standard deviation temperature increase above the 2000–2014 mean in urban areas could double the percent of people who are not employed.*

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