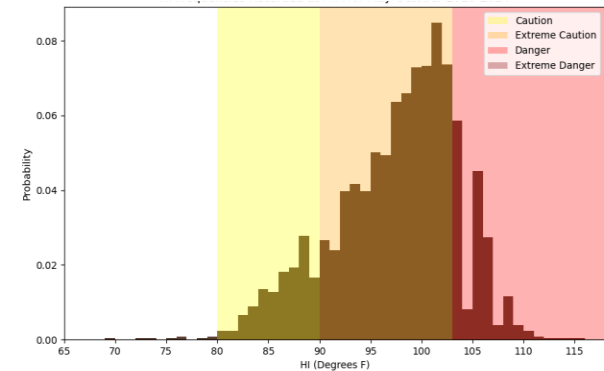


Advancing actionable understanding of chronic heat risks and response potentials in the urbanized subtropics

Extreme heat is intensifying across the globe, but wide swaths of the world do not experience heat as traditionally defined “heat waves.” Instead, these tropical-to-subtropical regions experience dangerous levels of heat for months on end, and high humidity amplifies risks, leading to what can be thought of as a chronic heat hazard. This project builds from existing and novel transdisciplinary partnerships to advance foundational understanding of chronic heat hazards, exposures, and responses in Miami-Dade County, Florida, a chronically hot and humid urbanized region. We are looking for 1-2 students to work on this multi-disciplinary project that will include measuring and modeling chronic humid heat hazards, as well as interviews, surveys, and multi-criteria approaches for expert synthesis to evaluate chronic heat exposures and comparatively analyze both planned and implemented response options for at-risk households and workers.

Maximum heat index for heat season days reveals chronic heat in Miami, FL.



Household heat exposures and energy insecurity have overlapping determinants

