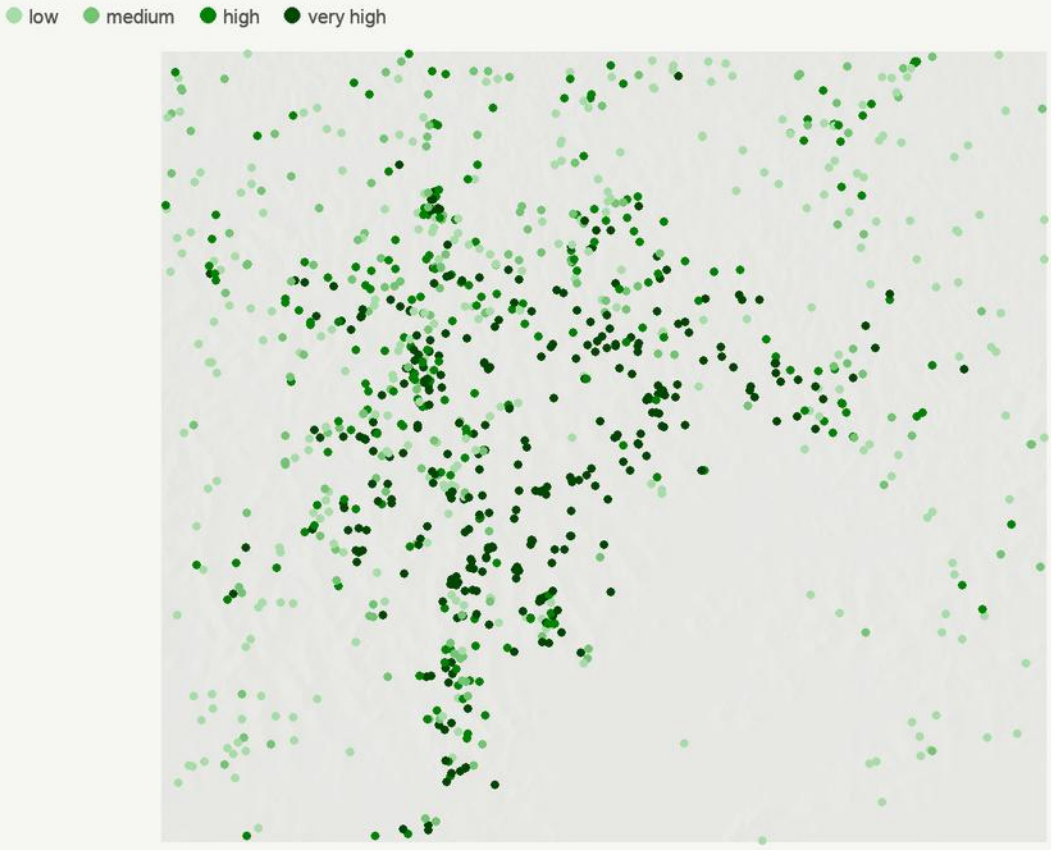
KAMPALA HEAT ATLAS · 3D URBAN CLIMATE MODEL

Where the next 8,000 trees go

Target Kampala's tree planting to heat, people and open ground, and street trees take about 4 °C off the felt heat. Swipe →



By Gava Charles

Where heat, people and open ground meet



47 km² of very-high priority

home to about 319,000 people · each dot ≈ 1,025 residents

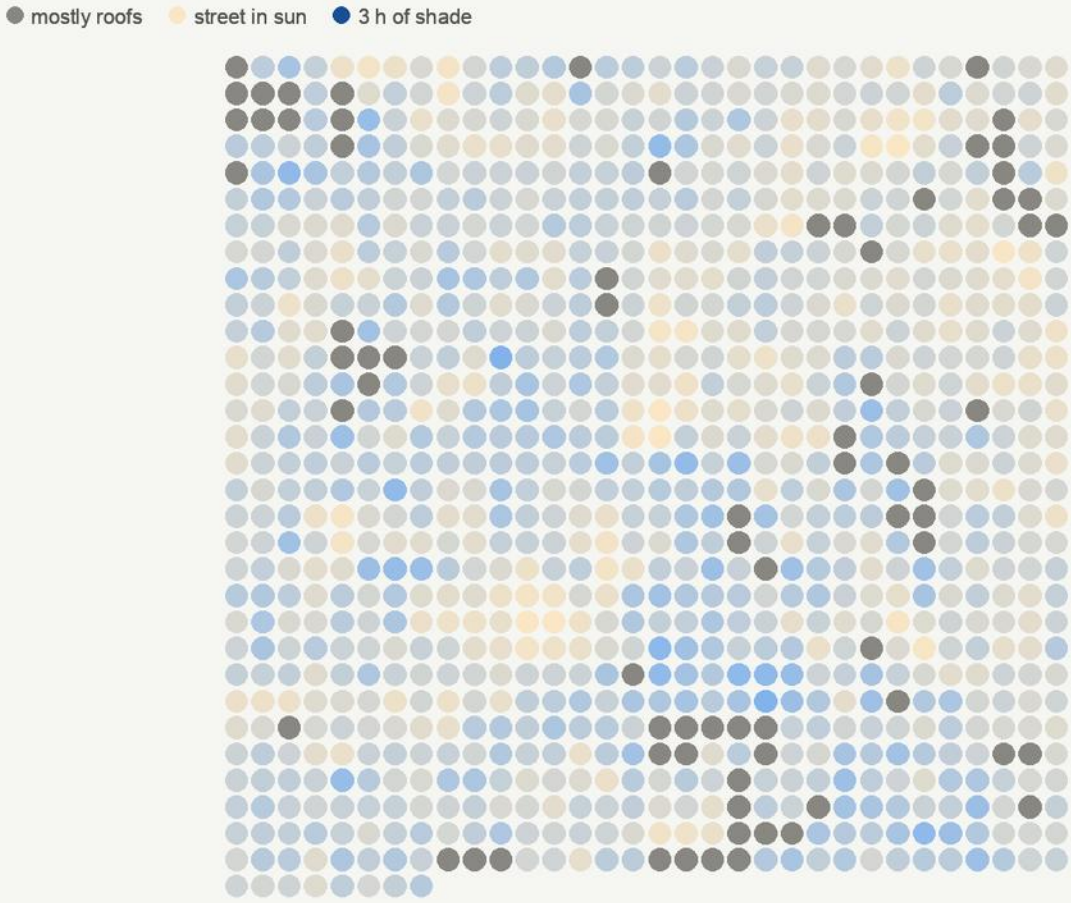
The hottest places have almost no trees



0.3% canopy

in the very-high priority class today

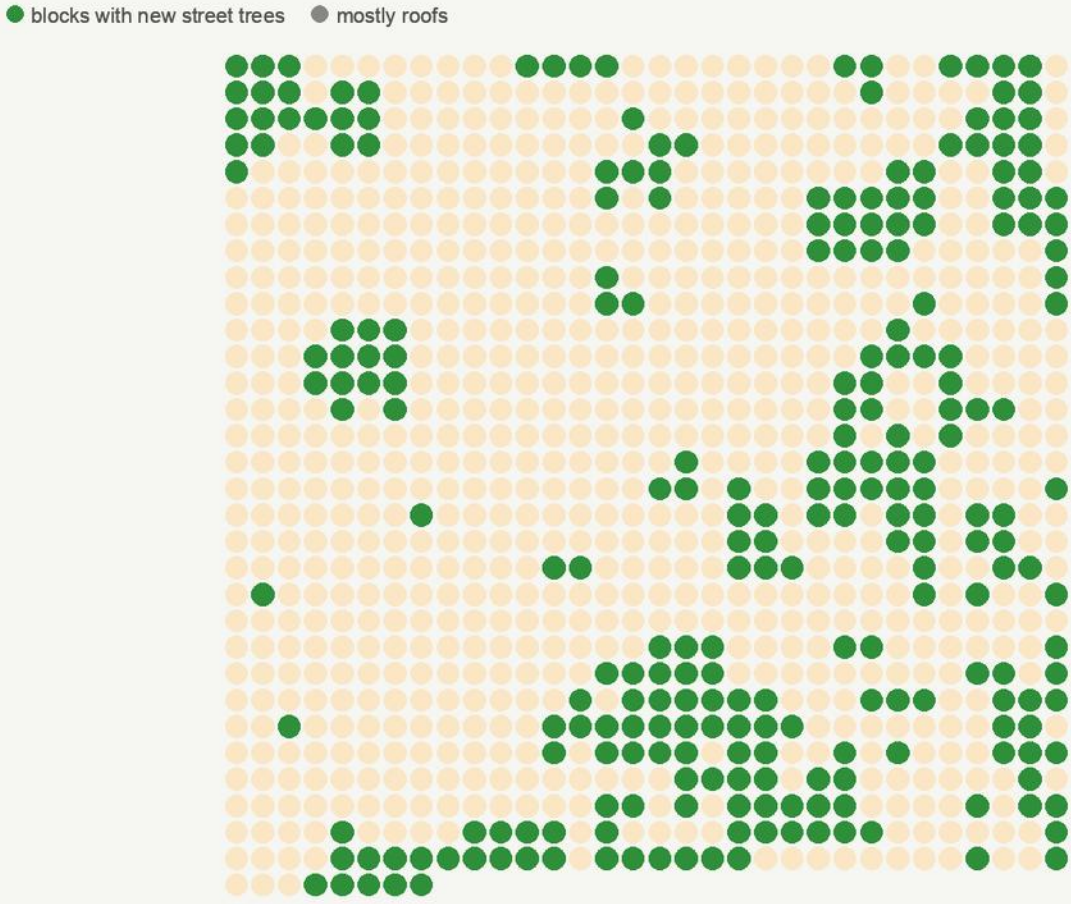
At the equator, buildings cast almost no shade



0.6 hours a day

of shade, 10:00–16:00, on Kawempe's streets (2 × 2 km)

600 street trees in one district

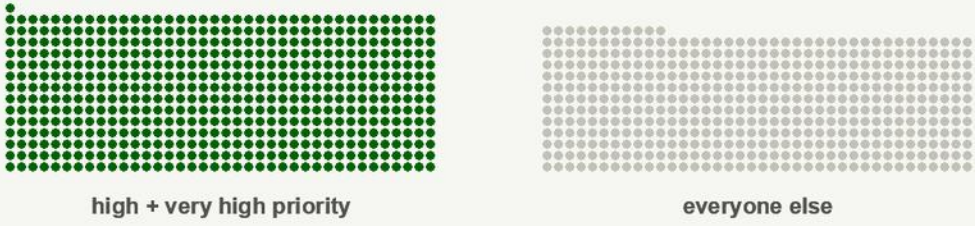


−3.7 °C felt heat

UTCI 34.5 → 30.8 °C under and beside them at 14:30

Gava Charles

Kampala plants 8,000 trees a year



≈ 554,000 people

live where planting half the open land cools surfaces by about 1.4 °C

Explore it yourself

gavacharles.github.io/kampala-heat-atlas

maps, the 3D model and every figure