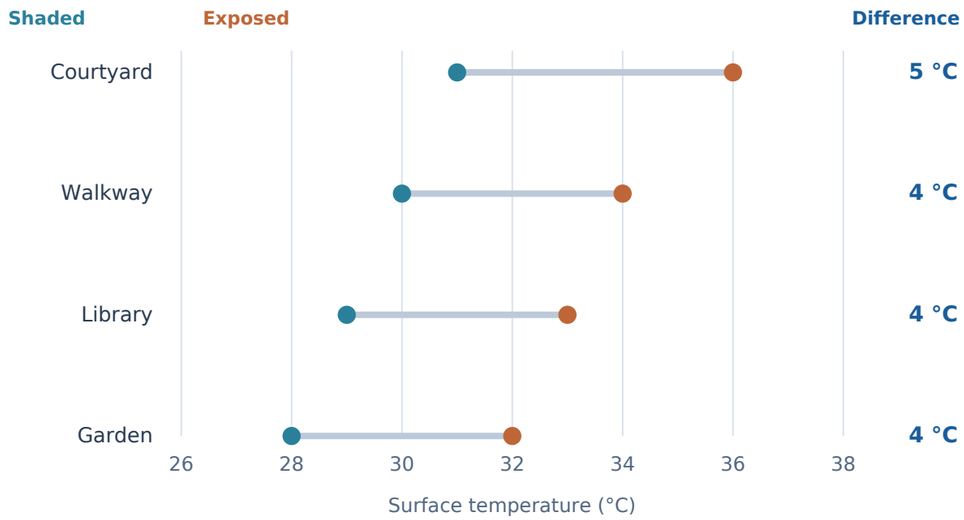
Cool Campus: shade and surface temperature

A proposed campus comparison with a fully visible synthetic dataset. A project conversation starter, not a report of field findings.

FICTIONAL TEACHING EXAMPLE · NO MEASURED FINDINGS

Four synthetic surface-temperature pairs



Mean paired difference = (5 + 4 + 4 + 4) / 4 = 4.25 °C

Invented values for a worked comparison. The mean describes these four pairs only; it is not an air-temperature estimate or a measured cooling effect.

Maya Chen · fictional student

Read with the profile’s research brief and interactive app.

01 · Question

How does a shaded patch compare with an exposed patch of the same surface material at the same location and time?

02 · Proposed method

Record paired surface temperatures, material, shade, time and weather. Repeat the protocol within visits and across days. No field measurements were made for this example.

03 · Worked example

Synthetic paired differences: 5, 4, 4 and 4 °C. Equal-weight descriptive mean: 4.25 °C. This is neither an ambient-air result nor evidence that shade caused a measured reduction.

04 · Conference discussion

How would you control moisture and material? What calibration check and repeat schedule would you use?

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