

heatmap' name is potentially misleading, possibly confused with 'file view' of load profiles; 'portfolio overview'? (heatmap should be unavailable for single site)

add vertical padding between rows?

current row sorting is alphabetical; also support sorting by average value, or by any column; FL: rows as ranks could be confusing

Add a dual slider widget for filtering to a subscale range within global min, max (is this a use case?)

are heatmap colour values continuous (colour value interpolation)? increase # of colour patches in legend?

MS: boxplots 'seem useful / important' / boxplots only familiar to those with statistical training

kW values in cells are redundant with tooltip, not scalable with additional columns, especially for large values

angled text is difficult to read, if axis is cluttered, show only a subset of labels; align with centre of cells

low contrast, consider an inverse black-white colour scale for cell text (or omit cell text)

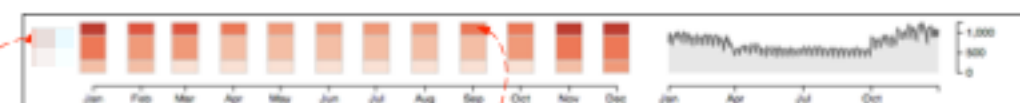
hover shouldn't obscure colour value of cell; alternatively, highlight cell boundary

show max, min, median, or IQR values (25th, 75th percentile) in tooltip as well as mean (or sparkline load profile?) temperature stats?

histograms or load profiles as alternative to boxplots?

alternatively show less in tooltip: only the value

min-max-min tile-glyph 'hamburger' visualization as alternative to heatmap; remove horizontal padding between intervals; alternatively, tile on/off hours or arbitrary time periods (e.g. SSD's school hours, after-school-hours, night)



showing peak demand alongside with average and baseline / min demand may be helpful, as opposed to viewing these values serially; showing average only value may hide anomalies (spikes, outages)

indicate that scale reflects currently selected sites and time range, not a global scale

add some explanation text

drag to reorder rows?

drag-select an arbitrary combination range of cells

horizontal panning for heatmap?

alerts, ECMs should not be exposed in heatmap cells

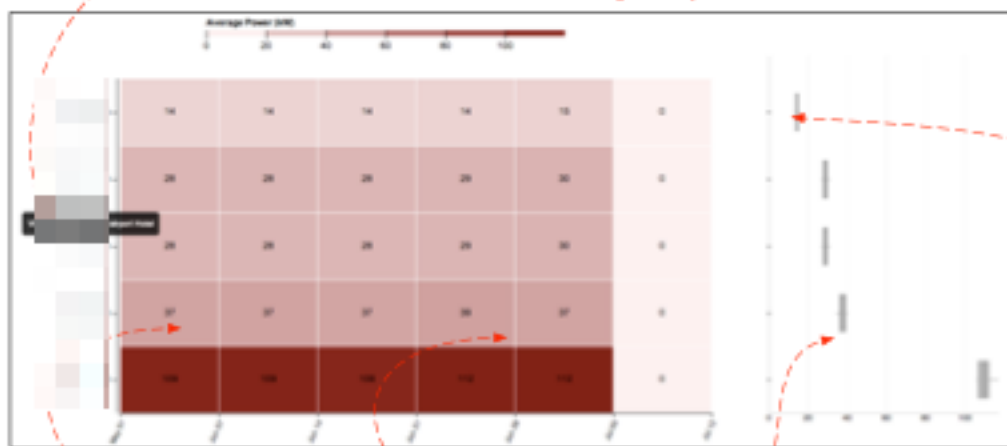
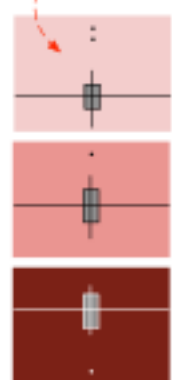
improve affordance for selecting a column/row; highlight entire column/row

selecting a column could either transition to faceted load profiles, or to heatmap with finer granularity

interactive boxplots: add linked highlighting for outliers to corresponding heatmap cell

how should energy managers interpret skewed distributions in absence of outliers? what action should be taken?

hybrid heatmap + boxplot design



HR: differential heatmap, or simplified good / neutral / poor score as in current EM ranking table (summary vs. diagnostic tool?)

expanded vs. collapsed rows (accordion heatmap)

replace magnifying glass cursor

relationship between outliers and alerts may be inferred; alerts may render boxplots redundant

paired boxplots for comparing against baseline, historical data

