

Workflows

based on interview recording.

"Zone"-based workflow:

- Heatmap of portfolio electricity demand in 2013 by month, spaces grouped by "Zone" tags, normalized by area. Observation: *demand spike in Aug-Sep 2013 in [redacted]*
- Heatmap of [redacted] electricity demand in 2013 by month, normalized by area. Observation: *"is demand spike at group level in Aug-Sep 2013 caused by [redacted] being turned on?"*
- Heatmap of [redacted] electricity demand in 2013 by month, normalized by area, [redacted] removed. Observation: *demand spike at group level in Aug-Sep 2013 remains investigate further!*
- 4a (possible). LineUp plot of [redacted] electricity demand in 2013 by month, normalized by area, [redacted] removed. Nighttime demand only. Observation: *Ranks don't fluctuate much, neither do absolute values.*
- 4b (possible). LineUp plot of [redacted] electricity baseload demand in 2013 by month, normalized by area, [redacted] removed. Nighttime demand only. Observation: *Ranks fluctuate a lot but absolute values don't very much. A false positive?*
- 4bi (possible). LineUp plot of [redacted] electricity demand in July comparing 2012 and 2013, normalized by area, [redacted] removed. Nighttime demand only. Observation: *[redacted] bldg shut down in Jun/Jul 2013. [redacted] increase in rank, it looks like [redacted] also gains in absolute value (bar length).*
- 4c (possible). Bar charts of [redacted] electricity baseload demand in 2013 by month, normalized by area, [redacted] removed. Nighttime demand only. Observation: *absolute values don't very much. A false positive? Some missing values apparent.*
- 4i (possible). Small multiple Time Series Line Charts of baseload demand in July 2013 by 4h interval for spaces in [redacted], normalized by area, [redacted] halls removed. Observation: *Not much variation! Good!*
- 4ii (possible). LineUp plot with tooltips and pop-up line series or sparkline. Desirable: click through to small multiple line plots.
- 5a. Small multiple Time Series Line Charts of electricity demand in July 2013 by 4h interval for spaces in [redacted], normalized by area, [redacted] halls removed. Observation: *Not much variation.*
- 5a. Small multiple Time Series Line Charts of electricity demand in July 2013 by day of week for spaces in [redacted], normalized by area, [redacted] d halls removed. Observation: *Not as much variation as anticipated (what happens on weekends?). Bad!*
- 5b. Small multiple Time Series Line Charts of electricity demand for Fridays in July 2013 by time of day for spaces in [redacted], normalized by area, [redacted] halls removed. Observation: *Not as much weekend at night time for some buildings. Bad!*

