

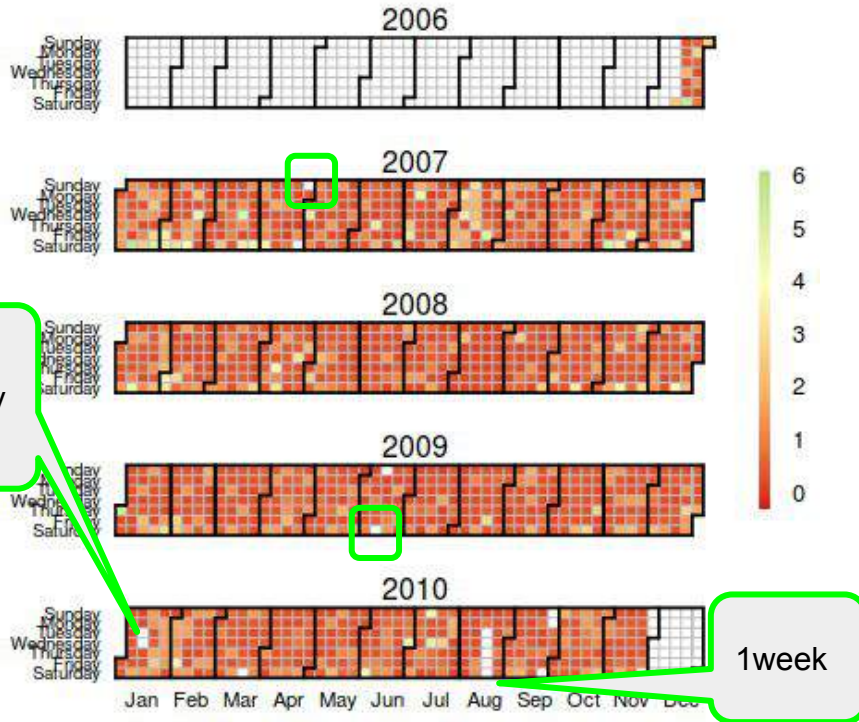
Electric consumption

IOT Analytics

Carles Castillejo

NA's detection

Heatmap Global Active Power

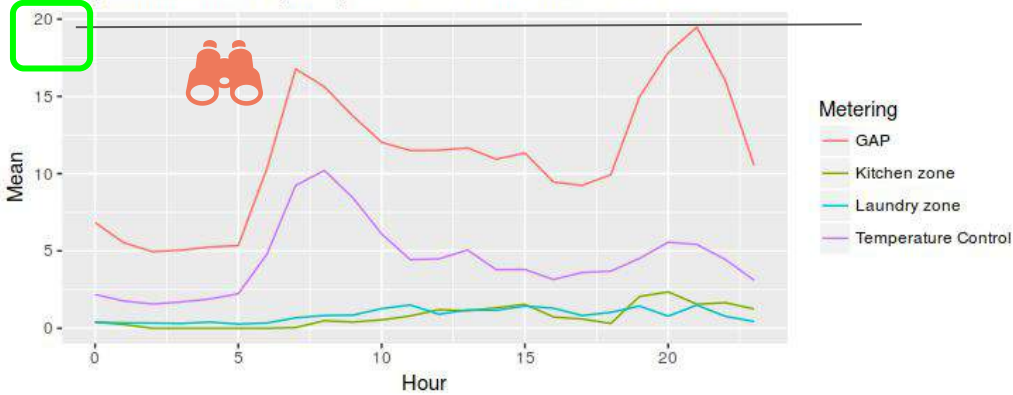


How we deal with NA

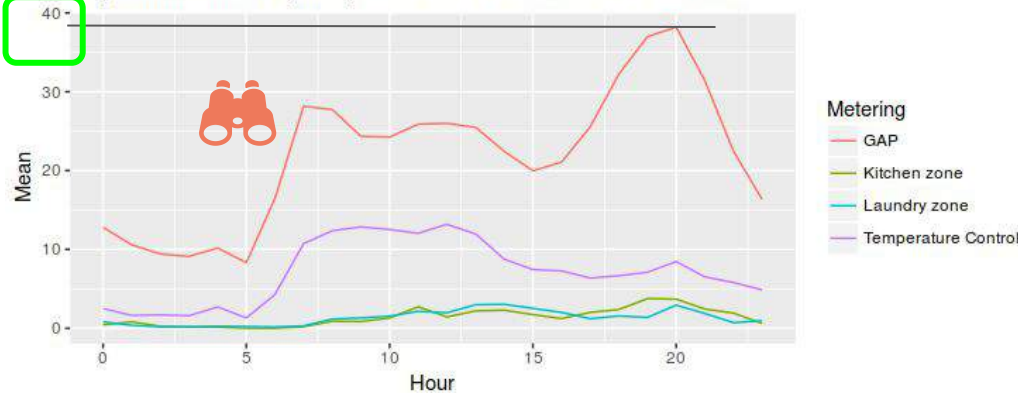
- **> 1440 consecutive NA:** We consider that owners are on holidays. Due to that we put zero.
- **<1440 consecutive NA:** We use previous and next values and substitute NA by their median.

Day details

Day Mean Consumption per hours in Summer. Year 2008



Day Mean Consumption per hours in Winter. Year 2008-2009

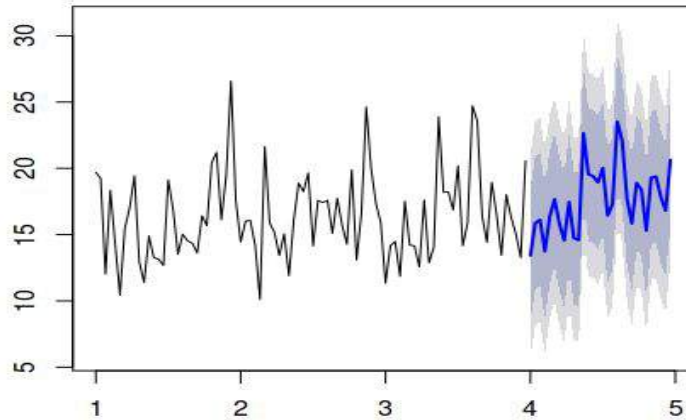


Be careful with scale

Prediction september 2010 (E consumption)

Using 3 last years combined

Forecasts from HoltWinters



Using 3 last months

Forecasts from HoltWinters

