# Meeting April 5th

## What have I been doing?

In lieu of both the Norwegian data as well as any well-defined problem statement, I have focused my efforts on the exploration of the Pecan Street dataset. The data in question consists of the minute resolution smart-meter and appliance measurements from 1436 houses from periods ranging from February 2011 until today, as well as metadata about the houses such as size, and, crucially, whether the house has certain appliances or attributes, among which is whether photovoltaics (PV) are installed, and whether an electric car charger is registered. It is upon data from the houses filling the latter criterium I have focused my attention.

In particular, I have looked at data from 43 houses with data EV charger data spanning the entire year of 2017. My perspective has been to describe what typical EV charging data looks like, by itself as well as in relation to aggregated data. It should be noted that these 43 houses are not necessarily representative; only four of them do not have PV installed, and all but 13 houses were at one point (but not presently) enrolled in a study in which they received information about or incentives for their power consumption.

## Interesting results

## Slides

Show data   
Context/Motivation  
Clustering  
The matched filter test