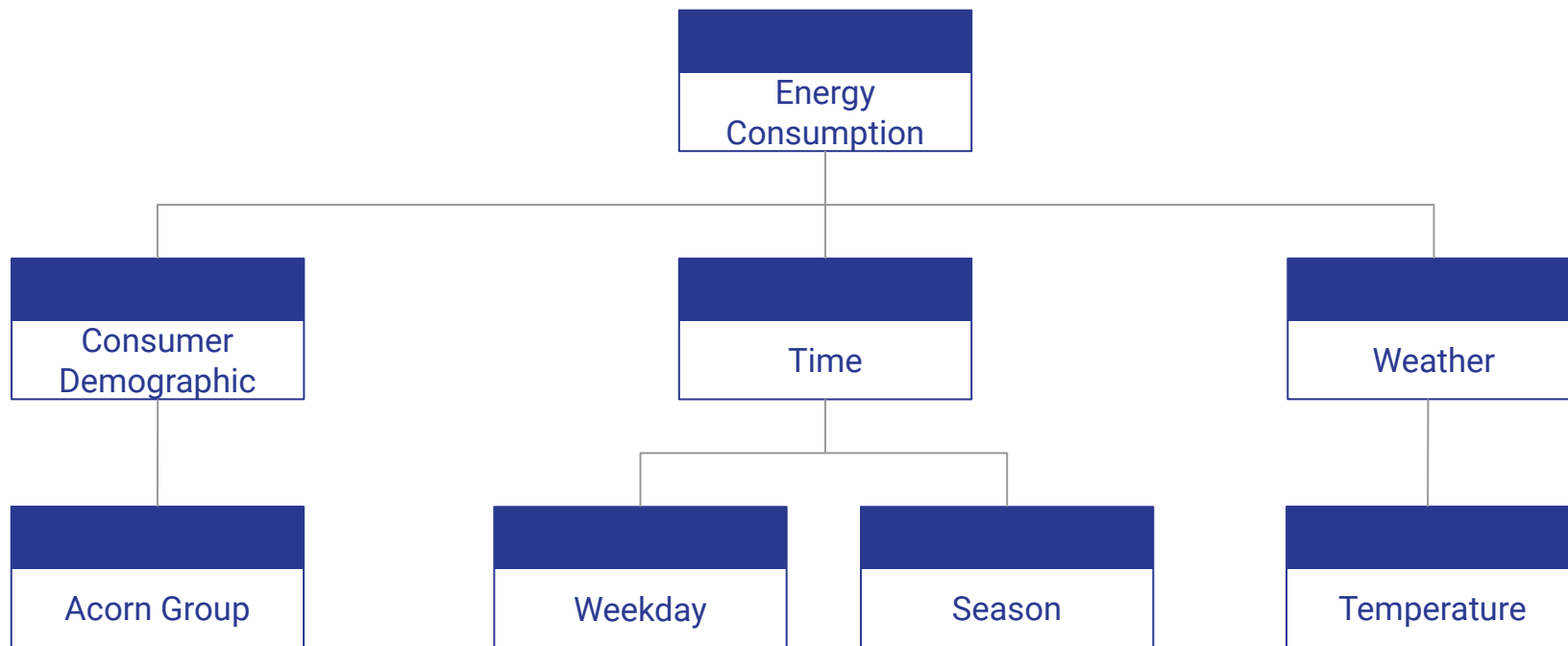# Household energy consumption

...and the possible variables that may affect it.

Data source: Kaggle
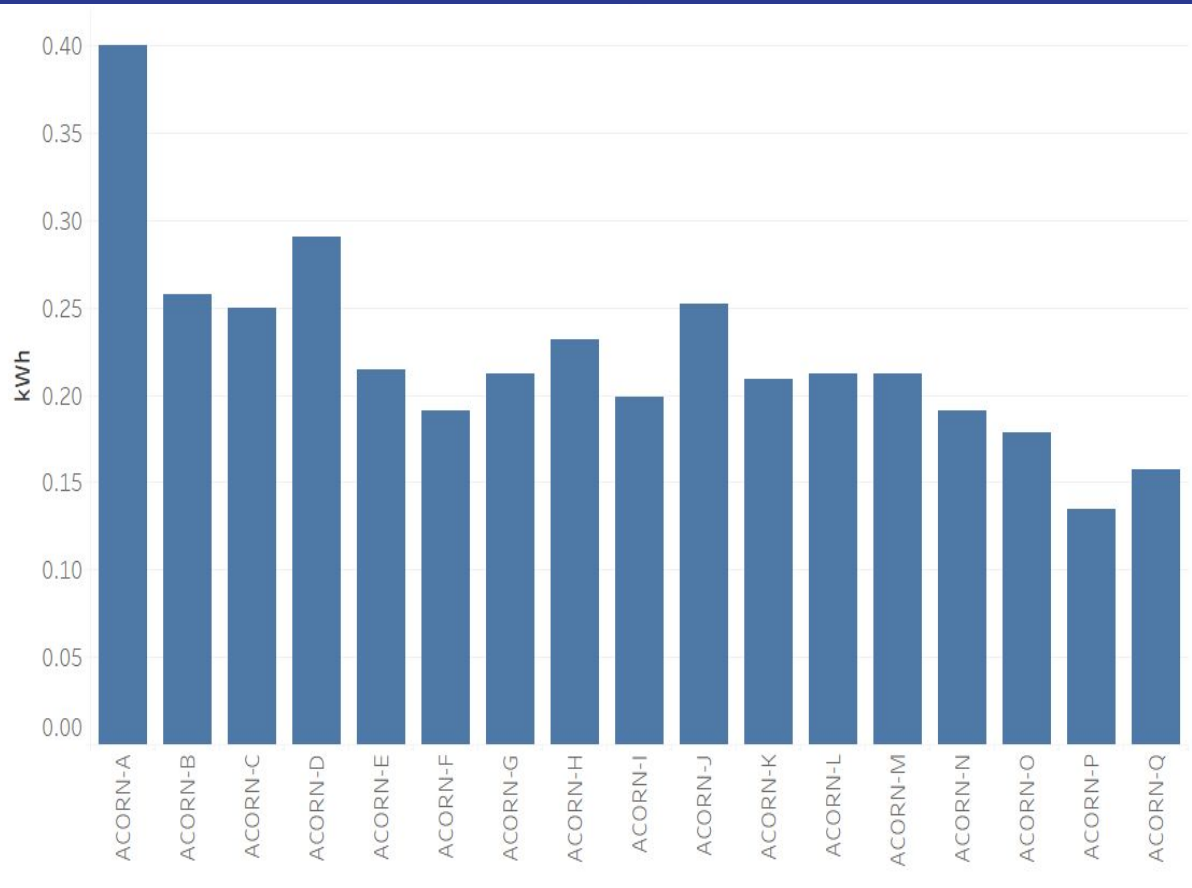Timeframe: Nov 2011 - Feb 2014

- Smart meters in London households (approx. 5500 households)
- London weather
- ACORN groups

Overview

Consumer demographic - avg. daily consumption by ACORN group
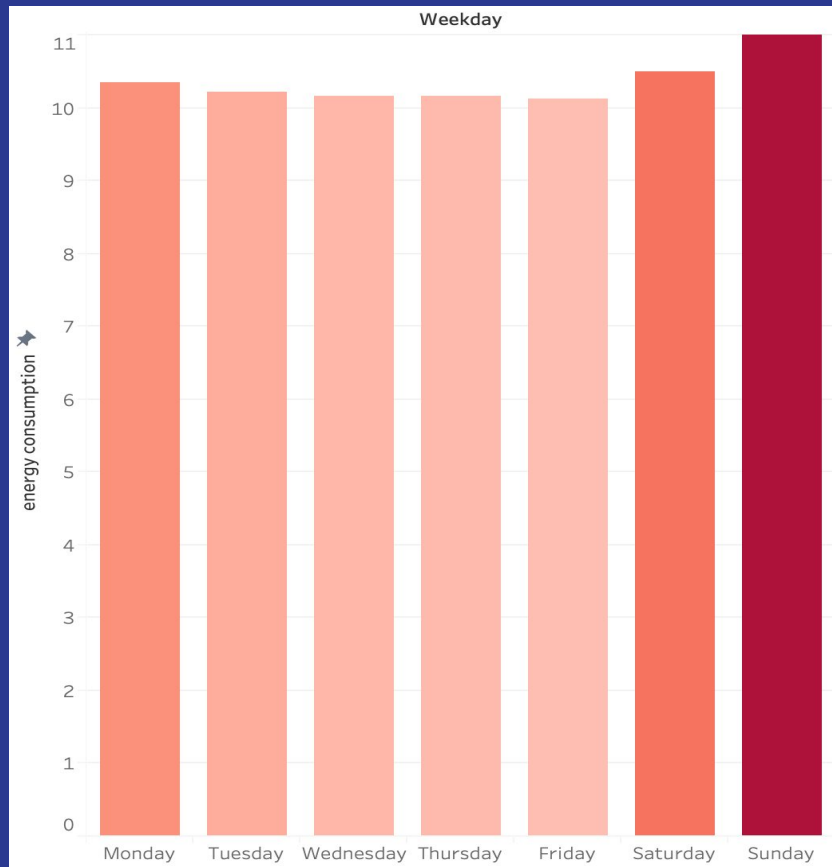

ACORN A-C   Affluent Achievers

ACORN D-E   Rising Prosperity

ACORN F-J   Comfortable Communities

ACORN K-N   Financially Stretched

ACORN O-Q   Urban Adversity

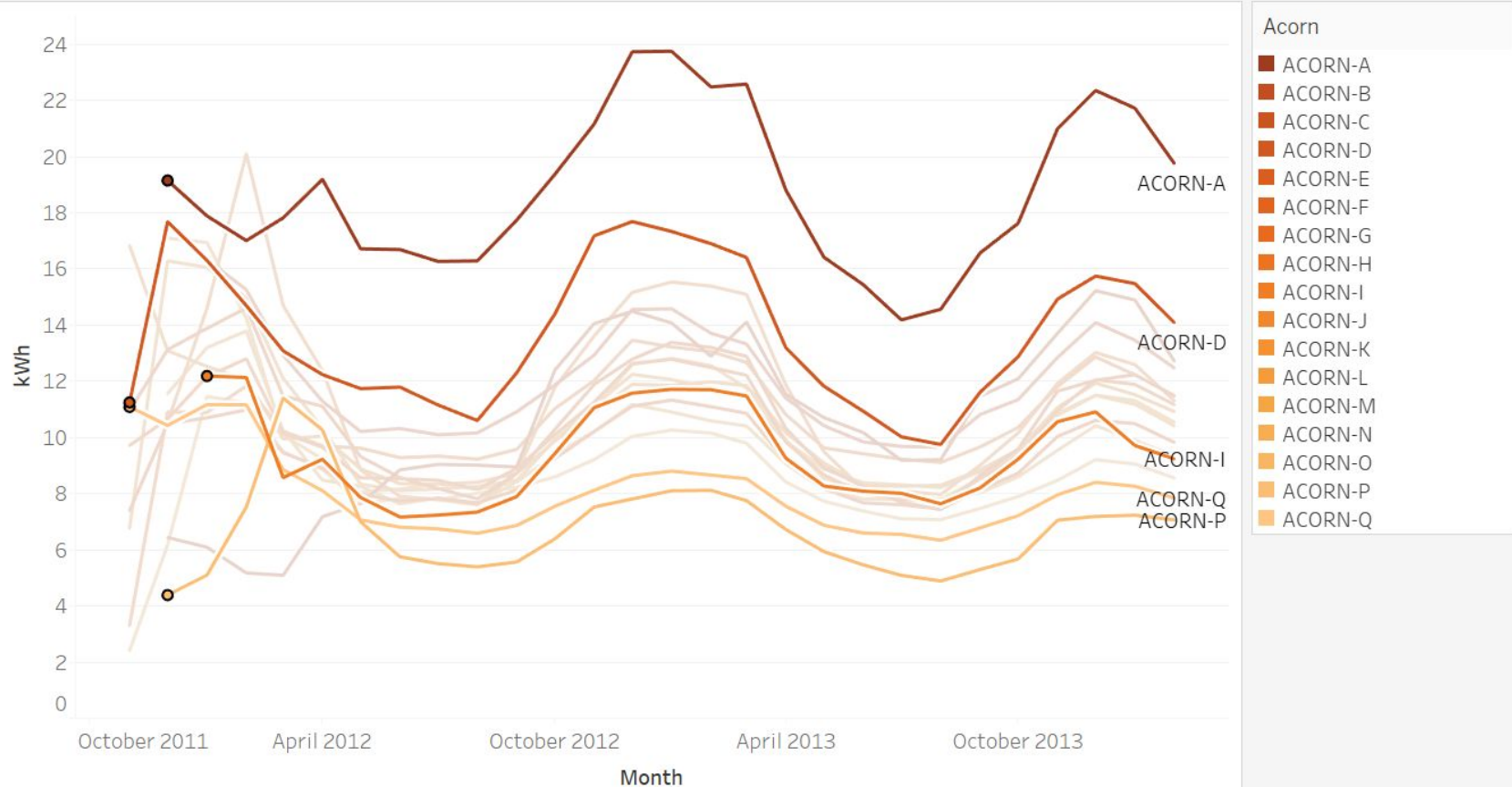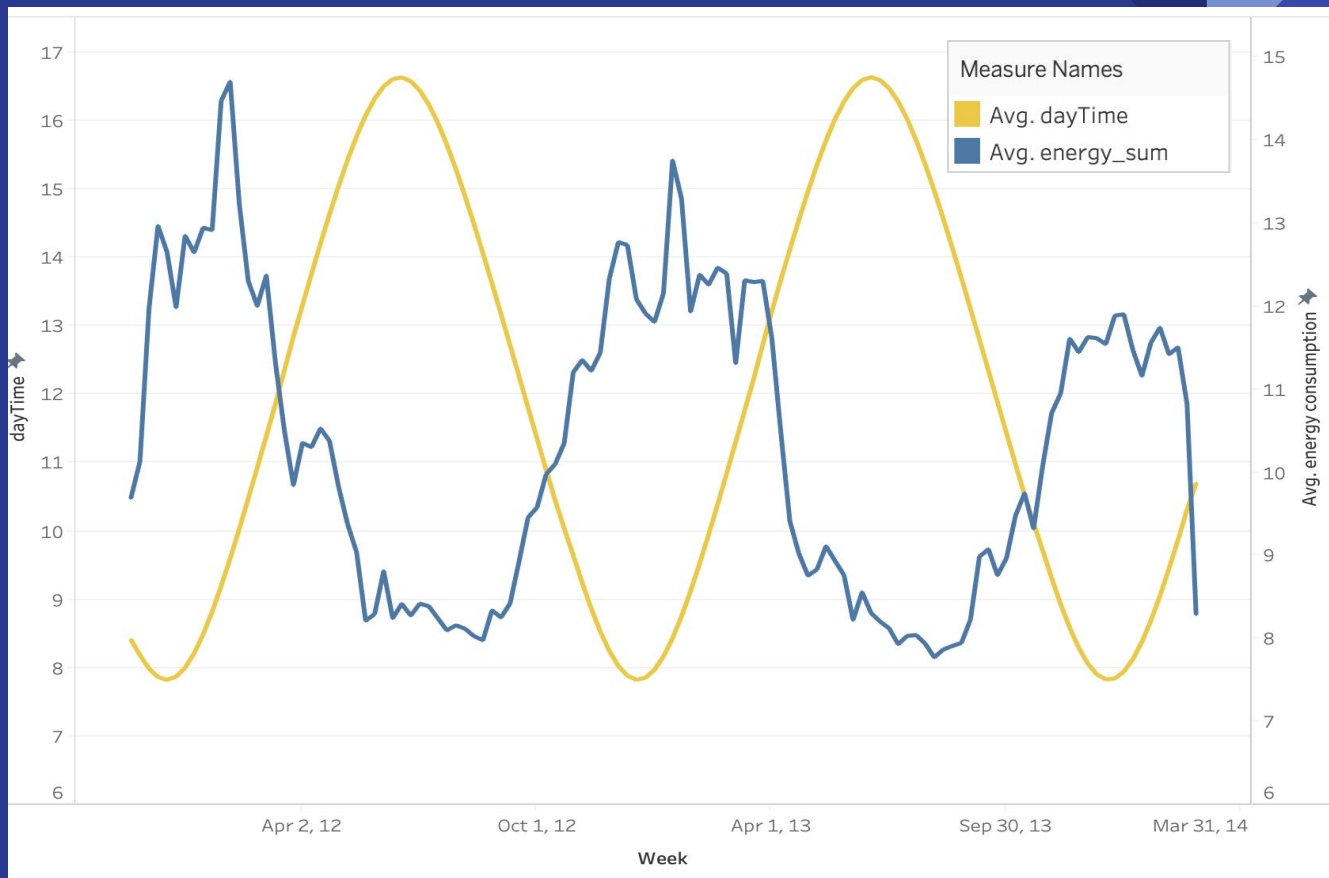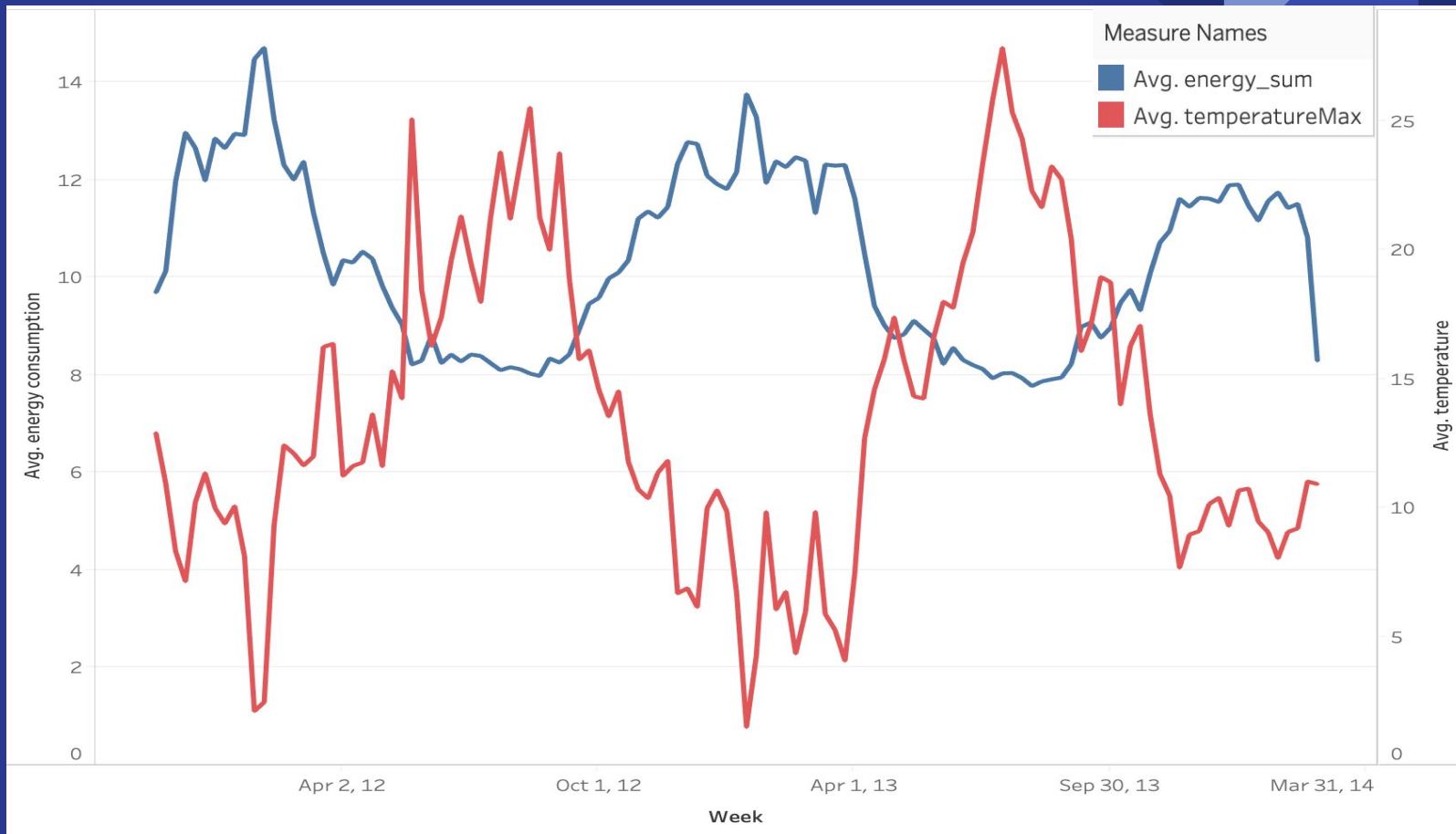# Time - energy consumption by weekday

Consumer demographic - avg. monthly consumption by ACORN group

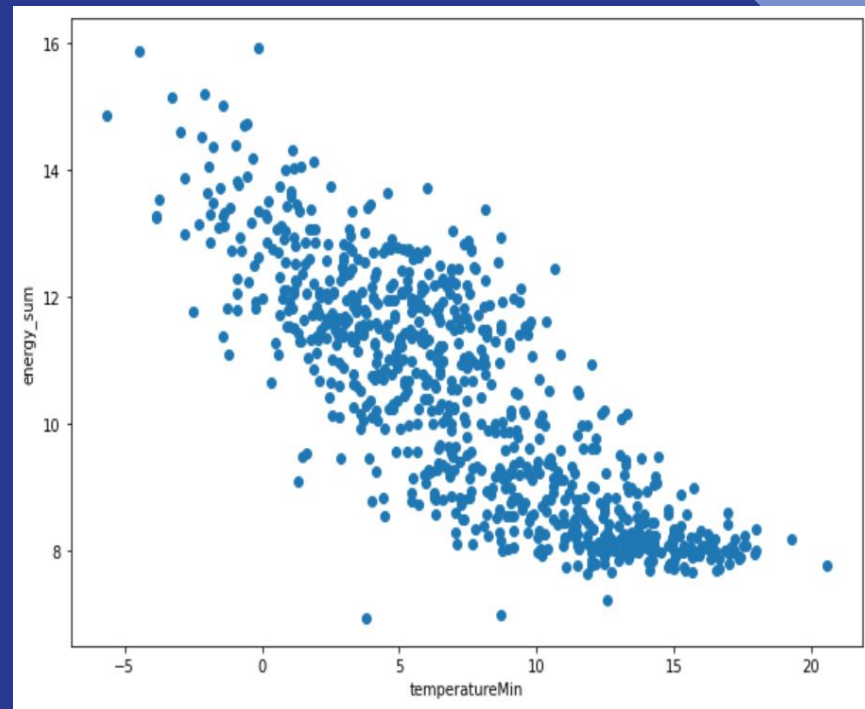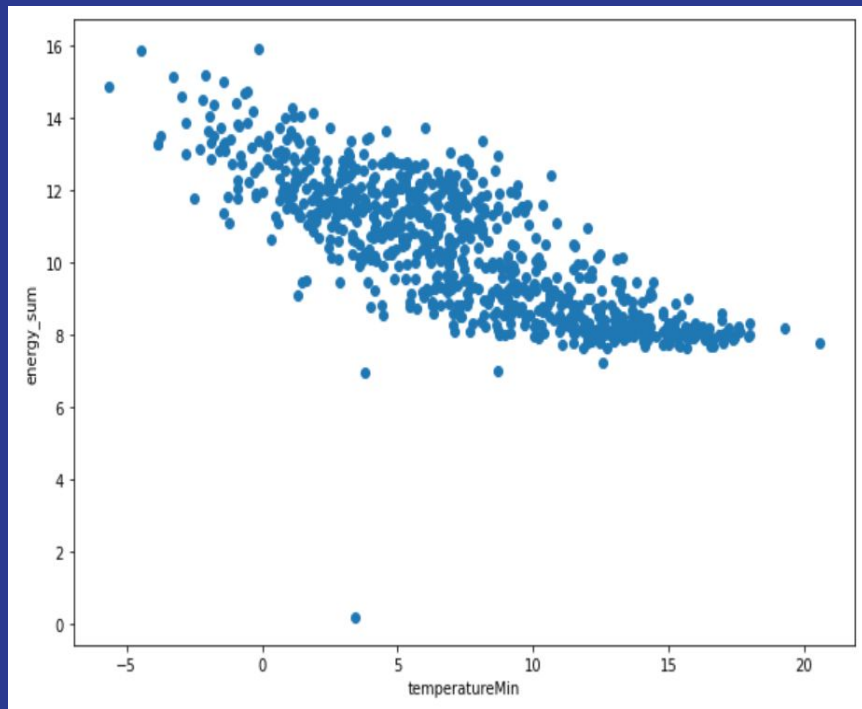# Time (seasonality) - daylight hours v energy consumption (weekly)
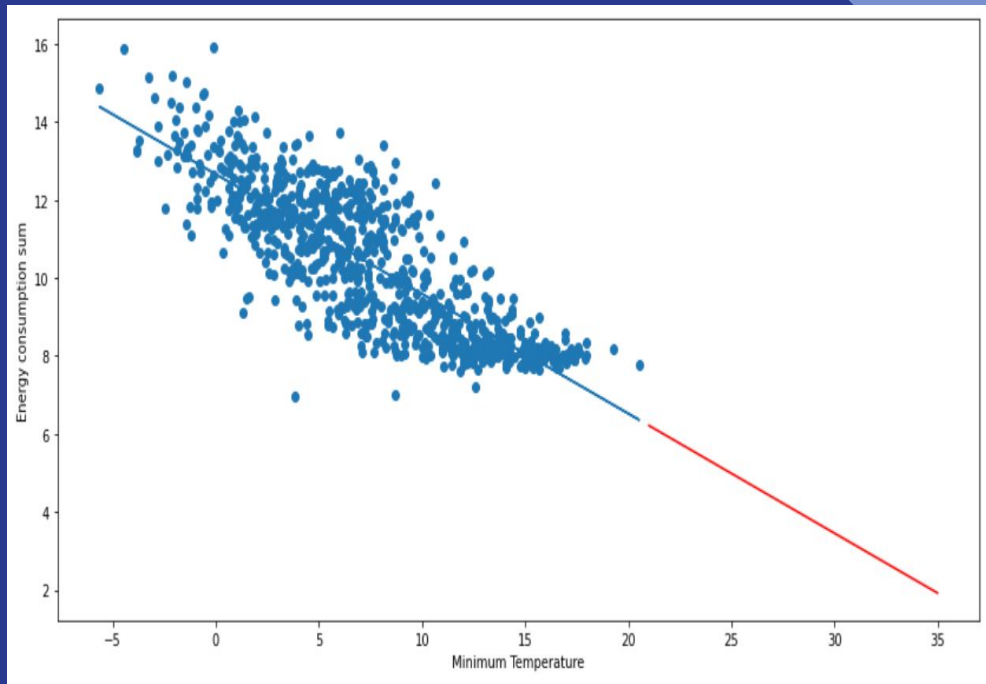
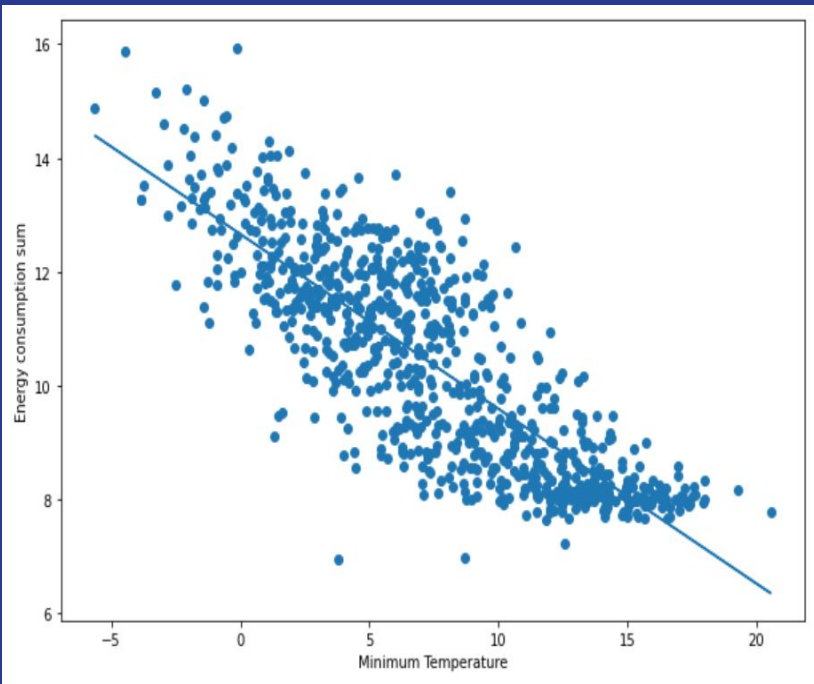# Weather - temperature v energy consumption (weekly)

Weather - temperature v energy consumption (daily)
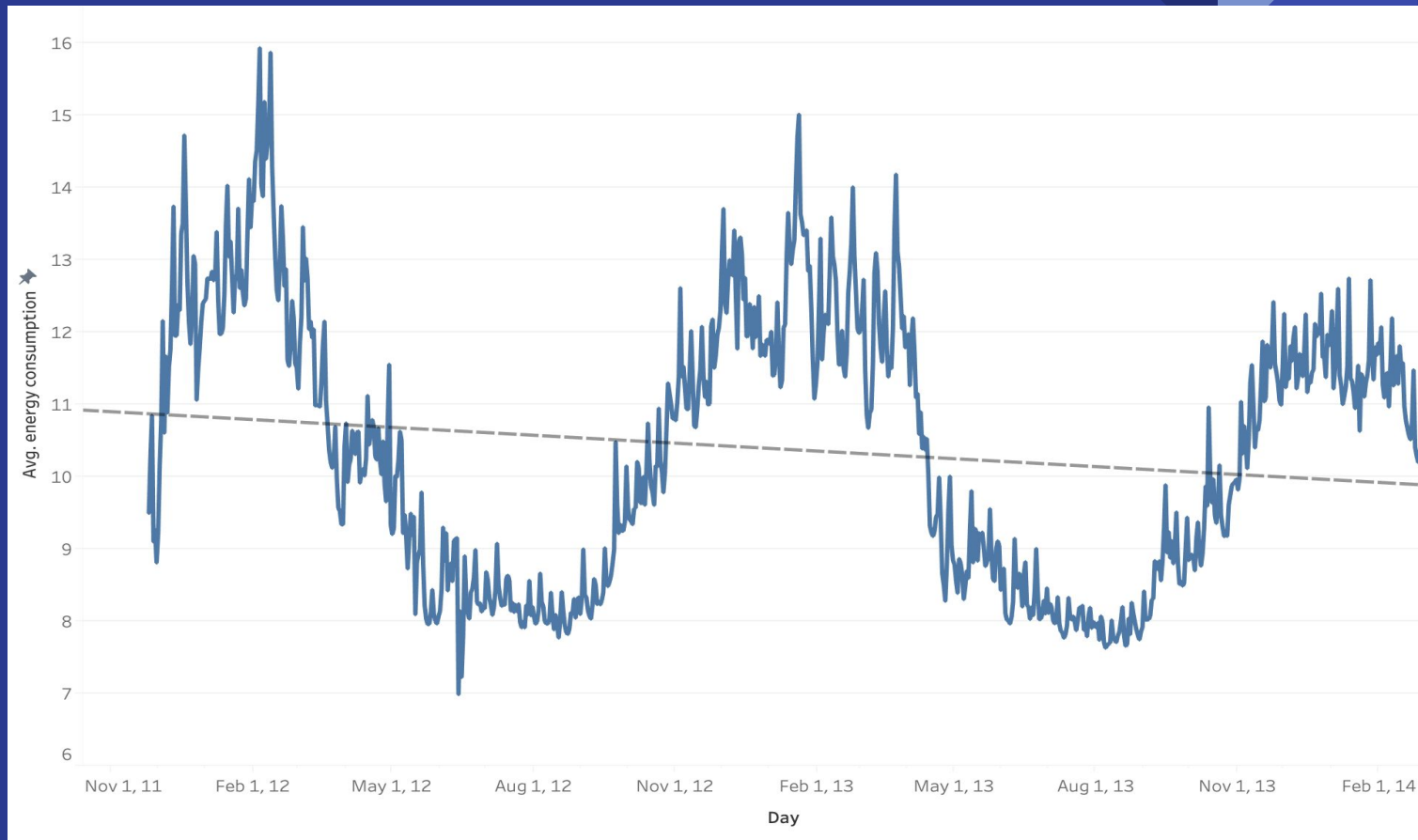## Scatterplot

Weather - temperature v energy consumption (daily)
Linear regression & prediction

Avg. energy consumption per day in London

Any questions?