Amin Mansouri
Levy Duivenvoorden
Niels van Drunen
Niels van Schaik
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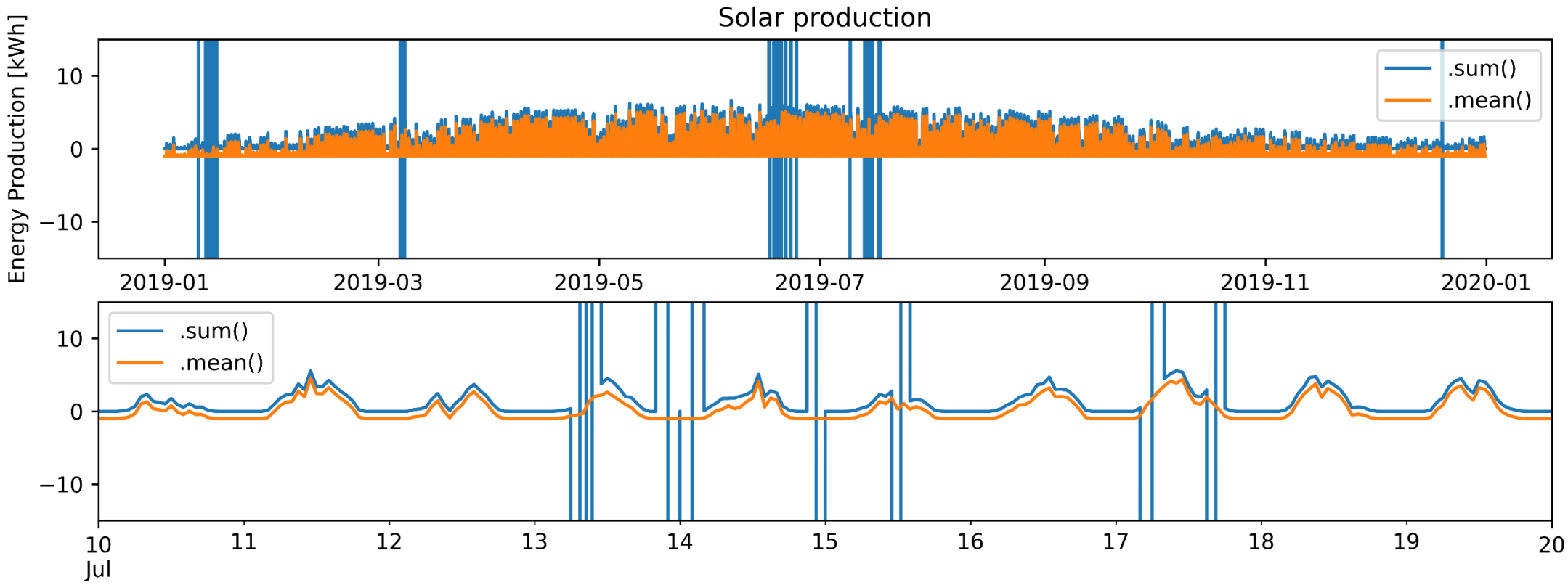
Team Zero

Research Question

What is a suitable model to predict energy consumption and production of a “Zero At The Meter” dwelling, one day in advance with hourly resolution.

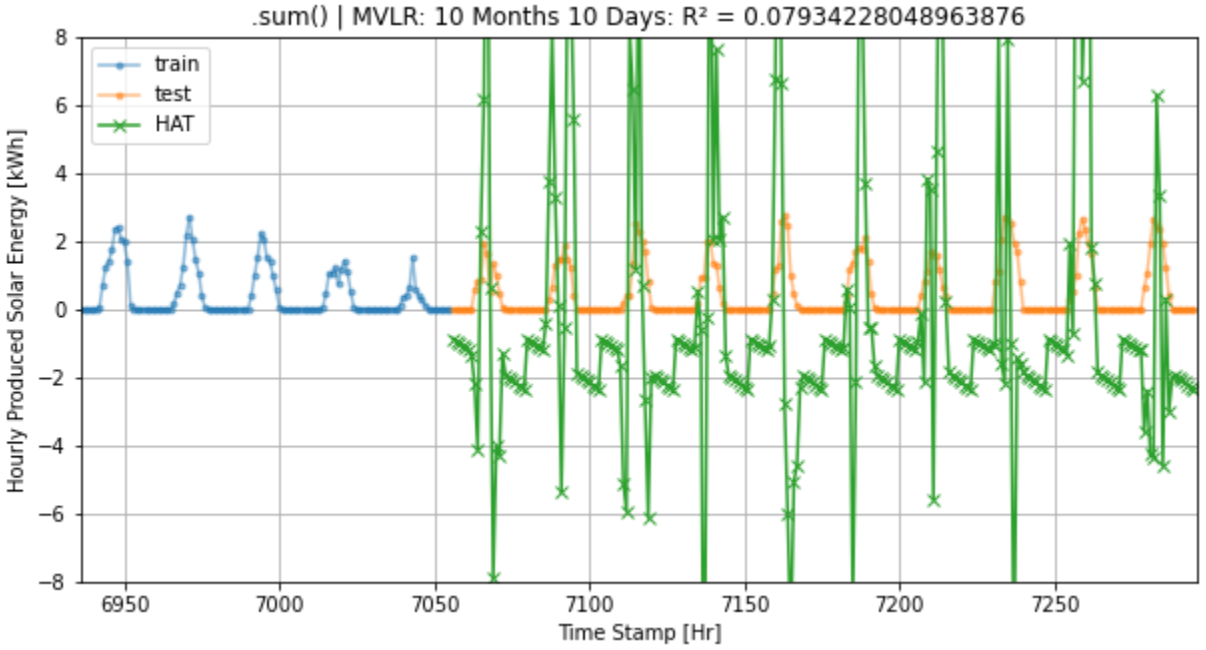
Last week

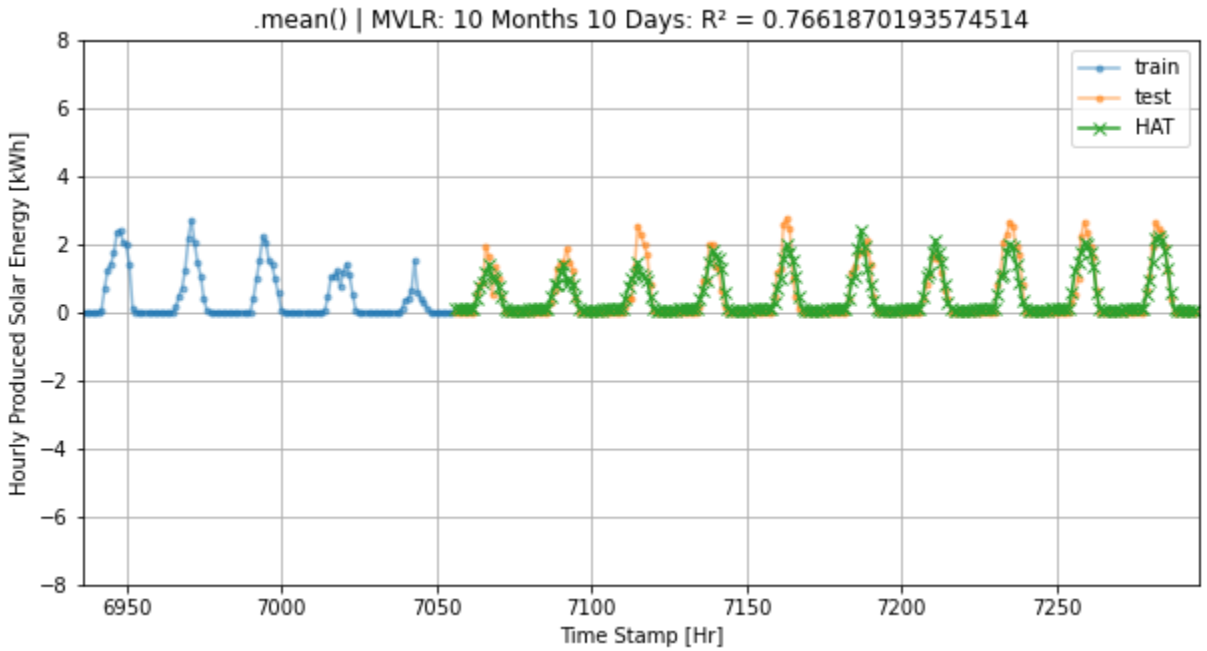
- Gap outliers handled
- Changed data preprocessing for the MVLR production model
- Pairplot for feature selection of consumption
- Consumption exploration
- Discussed about the team vision
- Datacamp: Introduction to Deep Learning with PyTorch



Outliers

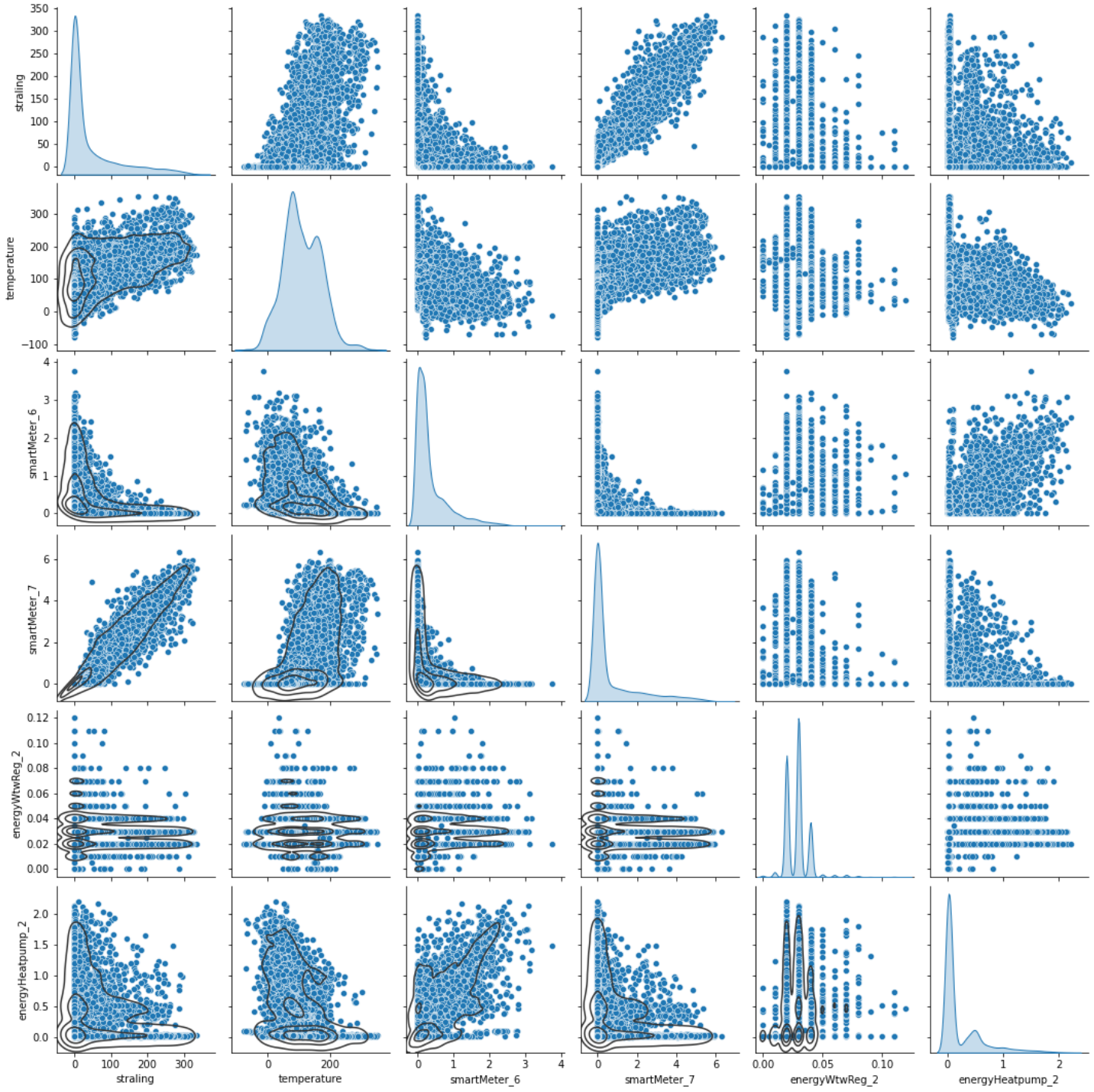
The .mean() is shifted down with an offset of 1, to clearly show both graphs and simultaneously show the similarities





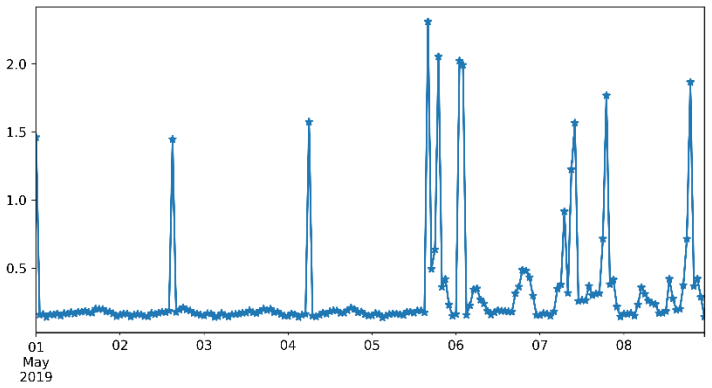
Different dataset MVLR

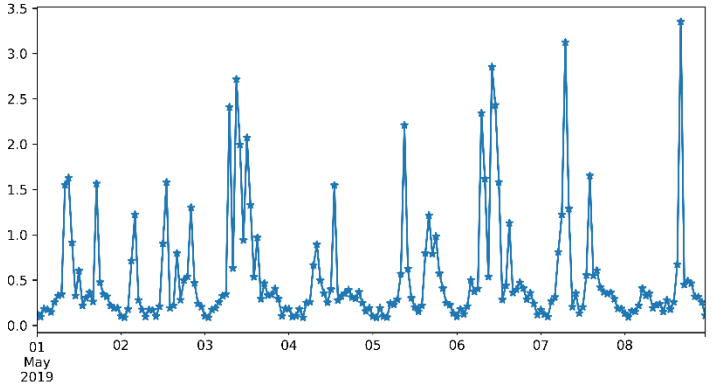
From .sum() to .mean() for the first resample method

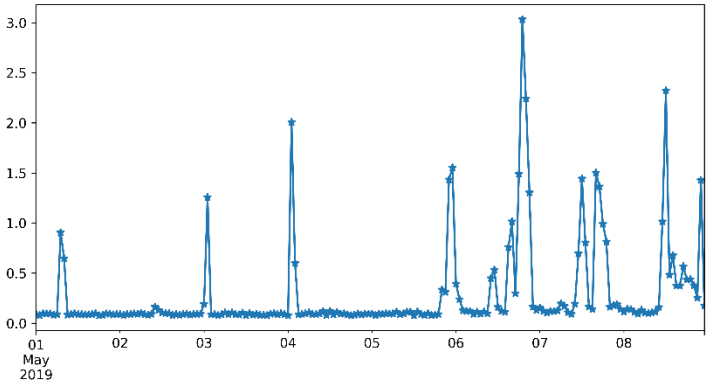


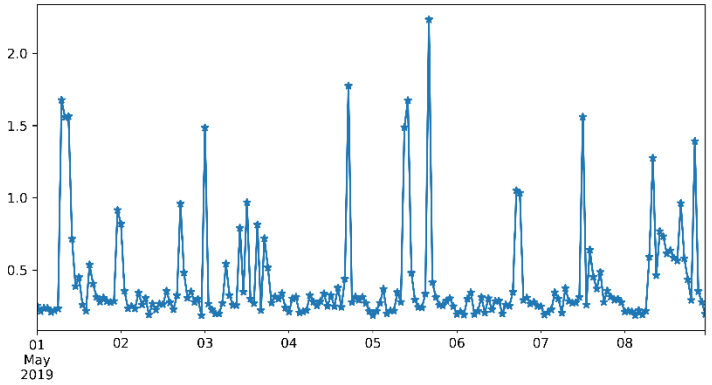
Pairplot Consumption

This will be improved next week









Consumption

These are the first four houses, at the same moment in time.

Reetro-Retrospective

(we used reetro.io for this process)

Improvements week 9:

- Realistic sprint planning
- Less round Robin
- Team vision
- More visualizations to explain concepts

Improvements Week 10:

- More brainstorm sessions
- Visualizations need to be clear
- Motivation took a dip
- Communication with Mentors

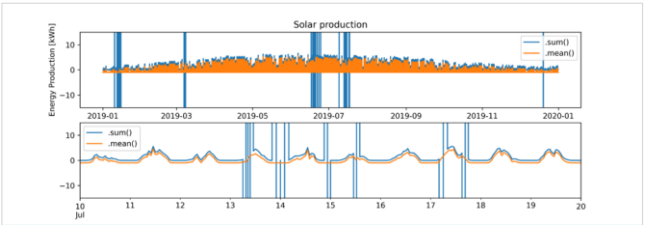
Went well week 10:

- Week 9 improvements
- Communication with the team
- Exams were taken into account
- Team members asked for help more when they got stuck

This week

- Continue Consumption exploration
- Brainstorm about feature selection for Consumption
- Literature research (again) for LSTM
- Start with a Neural Network for consumption

Remarks, Suggestions, Questions



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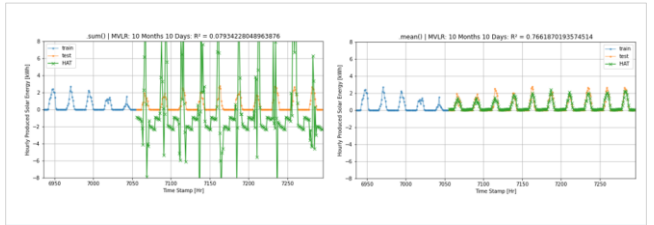

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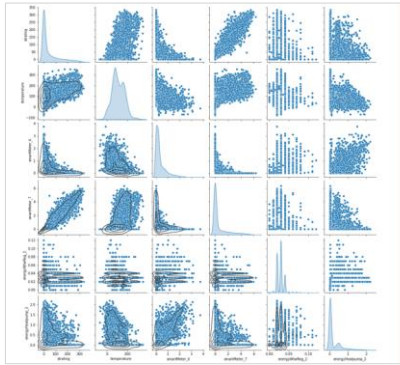

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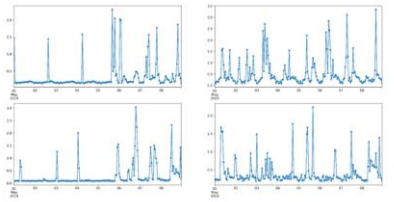

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