

Electric Vehicle Charging Predictor

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Project



Eesti Energia

Partner project (P12)

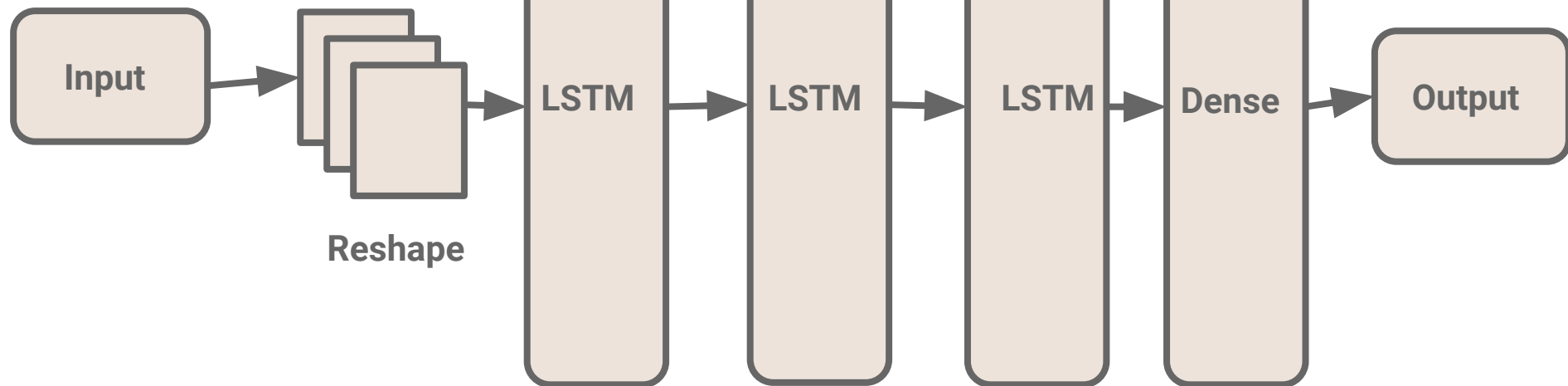
Project owner: Kristjan Eljand

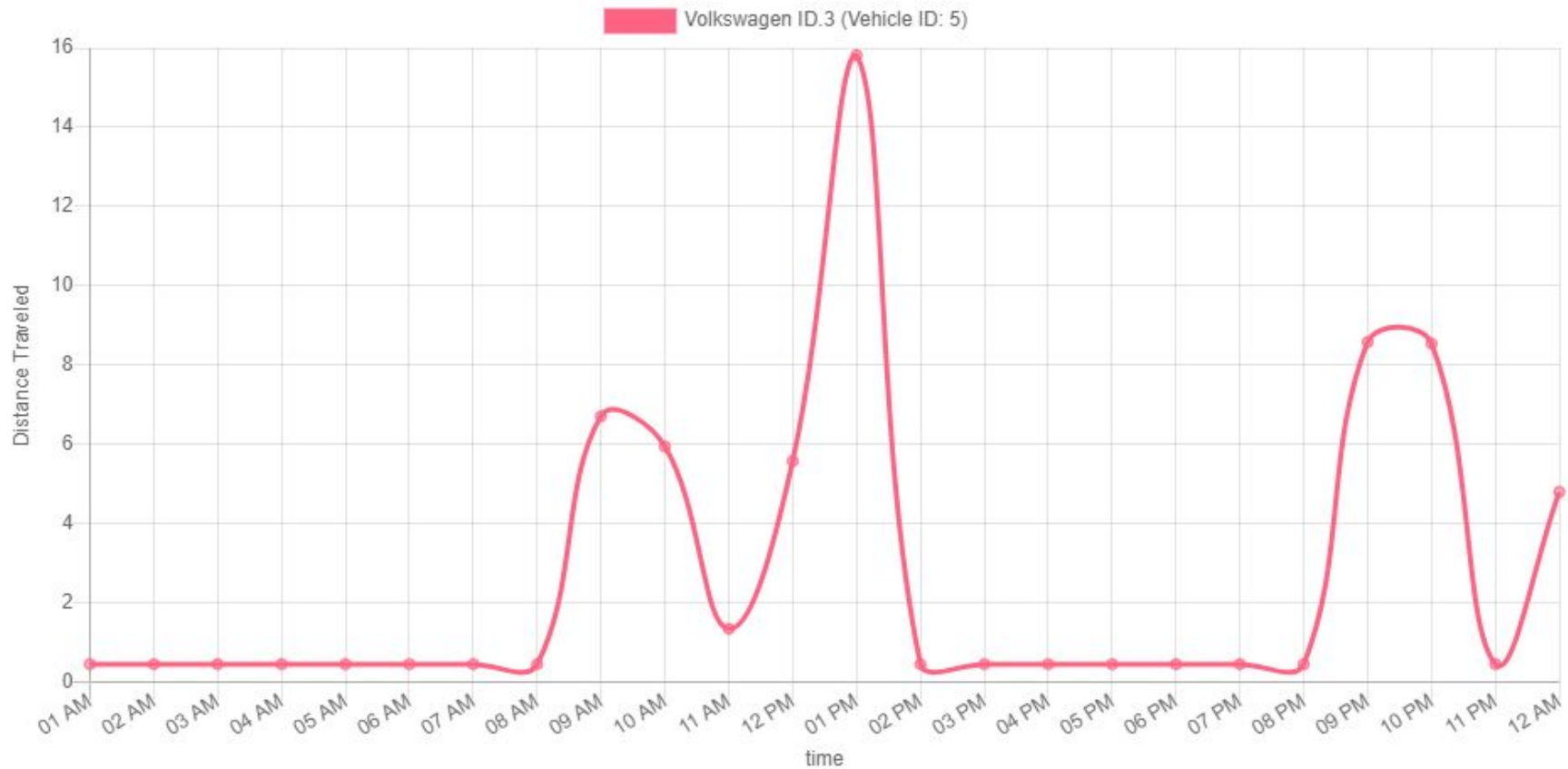
Goal

- Predictor of the **Driving behaviour** for the next 24 hours
- Predictor of the **State-of-Charge** for the next 24 hours
- Predictor of the **Grid connection** for the next 24 hours
- API & Web application (UI)

Driving Behavior

Recurrent
Neural
Network

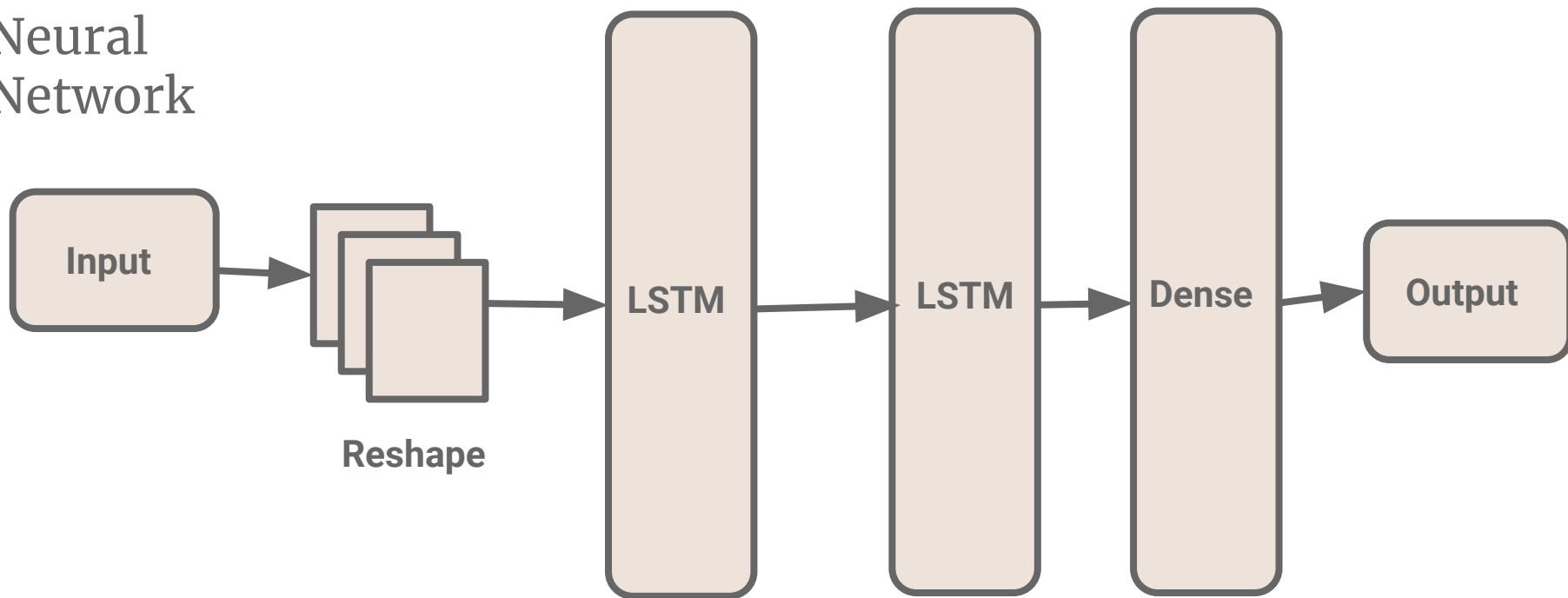




Driving behaviour

State of Charge

Recurrent
Neural
Network

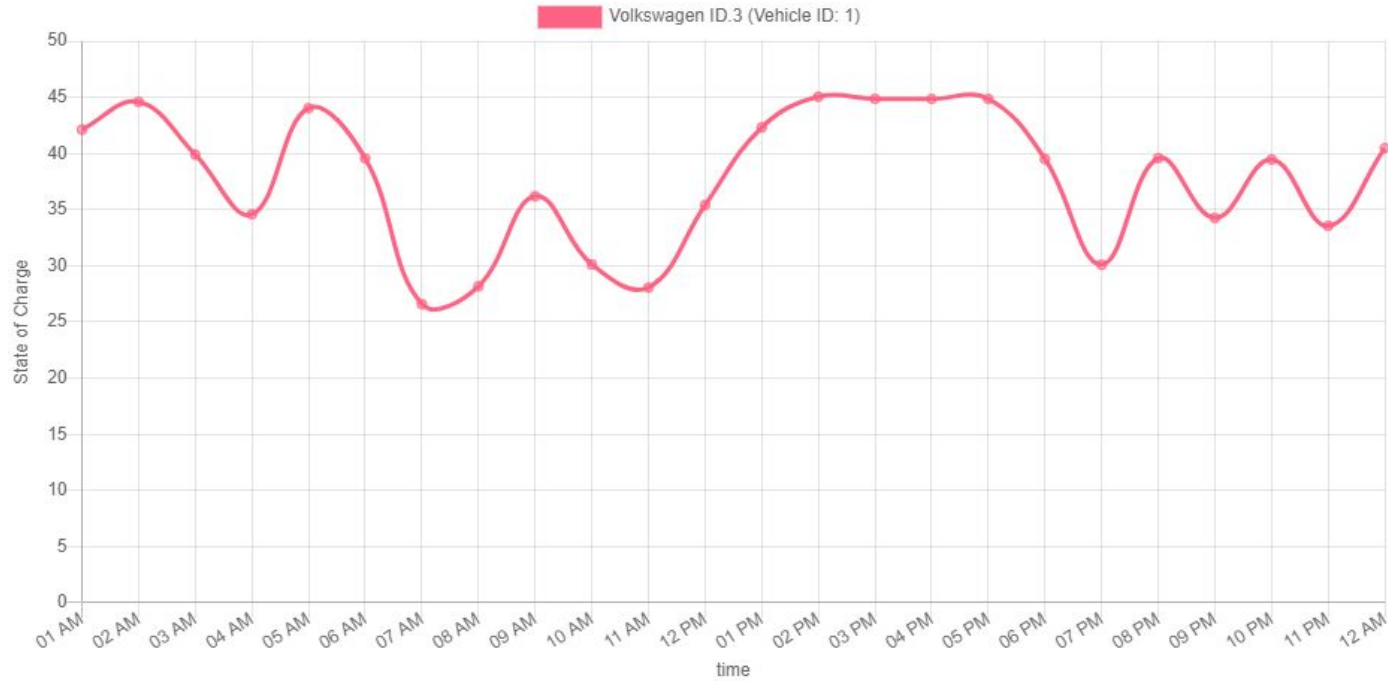


Total used energy

61.75795

Total charged energy

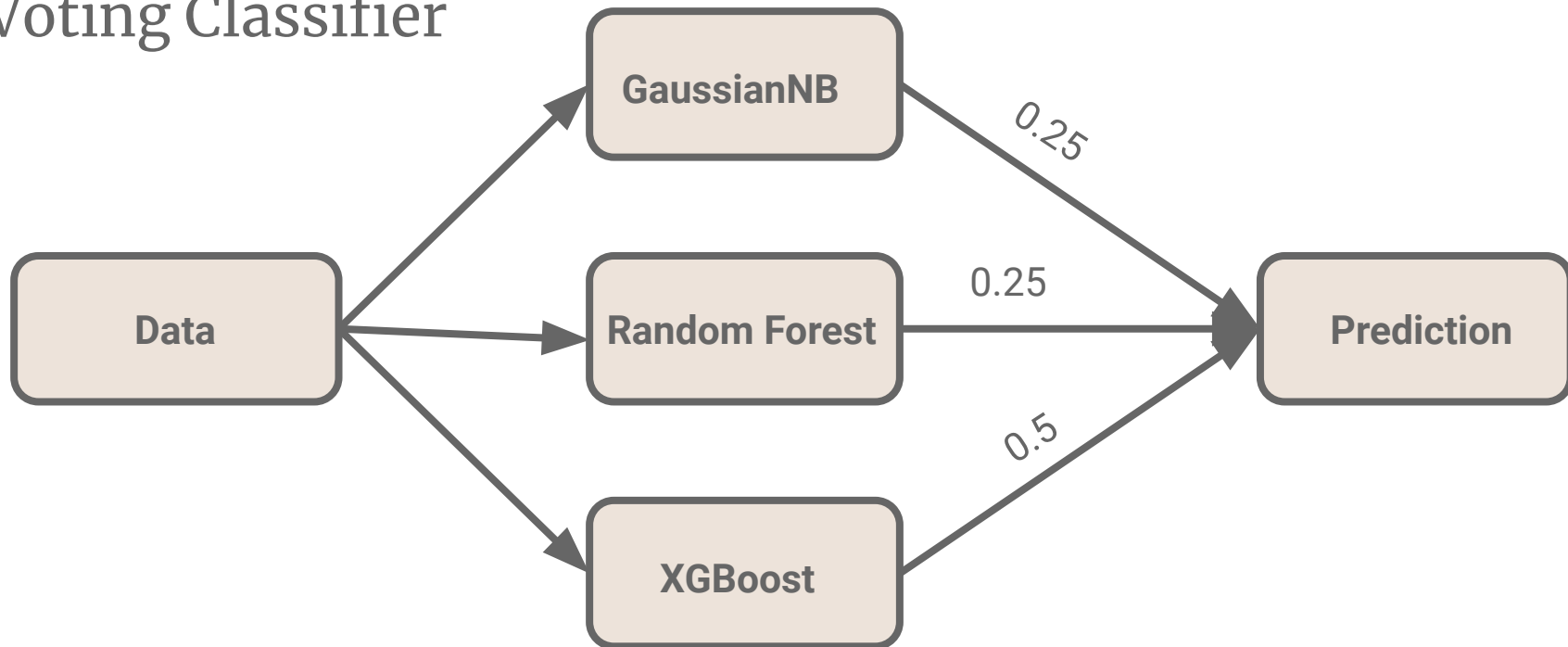
60.11102

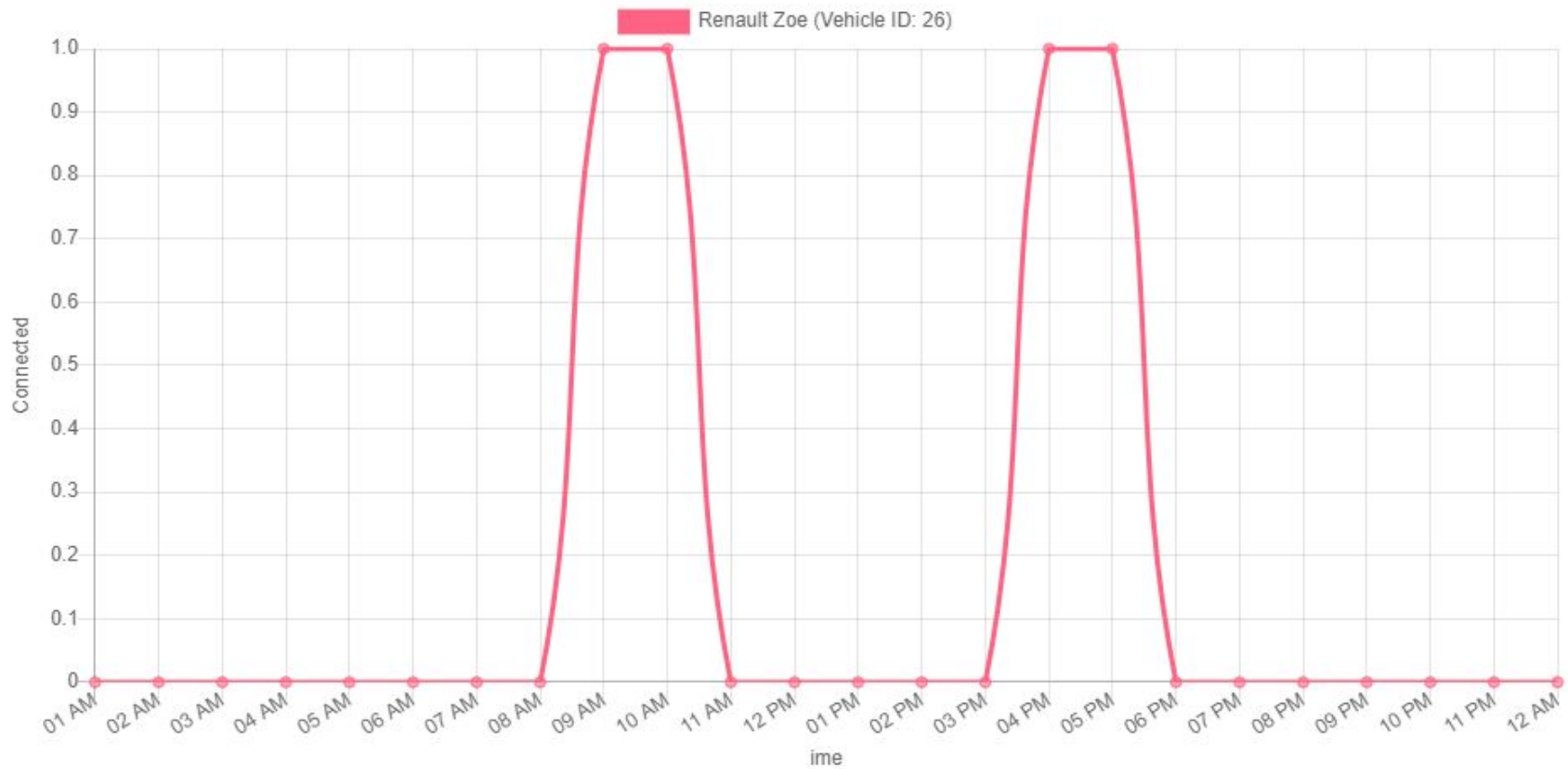


State of Charge

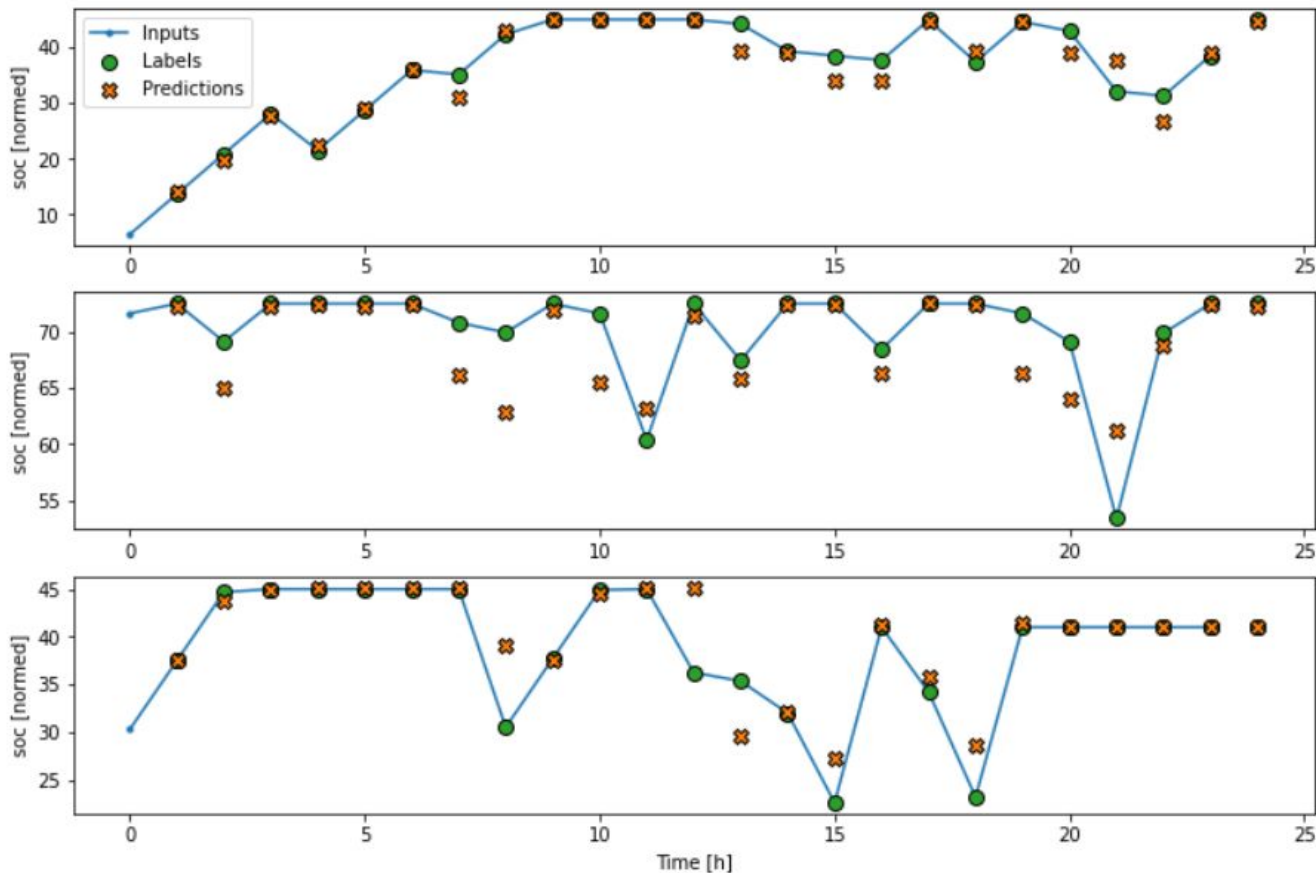
Grid Connection

Voting Classifier





Grid connection



Training

Val

Val

State of Charge

What did we learn?

- Analyzing data
- The usage of RNN
- Implementation of models in a web-based UI

Github

<https://github.com/aleks96n/Electric-Vehicle-Charging-Predictor>

Thank you.

