Project Group: Machine Learning for Predictive Maintenance

Minutes for August 19, 2021. 13:30 - 15:30

Present: Tanja Tornede *(Supervisor)*, Christopher Zinda, Paul Fährmann, Sanjay Gupta, Vinay Kaundinya.

Minutes-taker: Vinay Kaundinya

Topics Discussed:

Implementation

Details —

1. Discussed progress for the week W32.

2. @Paul discussed about the attribute filter that is newly added, in context of time-series processing and constant sensor value columns.

3. @Paul, currently working on multi processing of timeseries, parallelization ideas etc with sklearn (njobs). Have a method for attribute filter (in dataset class) or as a pipeline element.

4. @Sanjay RNN encoder, Weighted Avg already implemented and merged to Develop and windowing approach (already implemented by Christopher).

5. @Vinay to merge SVR, CNN and LSTM approaches to develop.

6. @Christopher to implement and finalize Random forest approach.

7. Discussed about having a verbose like parameter for ml4pdm(every?) pipeline element. @Sanjay

8. Discussed initial details of documentation(sphinx) and final presentation.

Next Meeting:

1. Date and time: August 26, 2021 at 10:00 - 12:00

2. Person responsible for minutes: Christopher Zinda