

Project Group: Machine Learning for Predictive Maintenance

Minutes for July 08, 2021. 10:00 - 11:00

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

Absent: Christopher Zinda

Minutes-taker: Paul Fährmann

Topics Discussed:

Implementation

Details —

1. Discussed the EMD-Signal wrapper and how to handle different output lengths of the instances. Further discussion after a better explanation and visualization on these imf components in the general chat.
2. Discussed test coverage strategy for the tsfresh wrapper class. Don't test individual output values, just execute the code and check simple shapes of output and check error outputs.
3. Should extract example/mock data into higher folder for tests, so everyone can use it in their tests.
4. If your approach does not generate the same quality/result as a paper, it could just be a difference in the random seed used in the approach.
5. Can we use different architectures for neural networks for the approaches? Yes, could be interesting, especially if there is also paper about it.
6. Windowed predictor is still in the room, we will discuss about it next week, when Christopher is available.

Next Meeting:

1. Date and time: July 15, 2021 at 10:00 - 12:00
2. Person responsible for minutes: Sanjay Gupta