Project Group: Machine Learning for Predictive Maintenance

Minutes for February 24, 2020. 09:00 - 11:00

Present: Tanja Tornede*(Supervisor)*, Anurose Prakash, Christopher Zinda, Gourav Prakash, Paul Fährmann, Saghar Heidari, Sanjay Gupta, Selami Hoxha, Vinay Kaundinya,

Also present: Alexander Tornede*(Guest)*

Minutes-taker: Paul Fährmann

Topics Discussed:

Class Diagrams

Details —

1. Each pipeline-element as well as the whole pipeline needs to be compatible to the scikit interfaces (BaseEstimator, etc.) and scikit pipeline (*make_union*, *make_pipeline*)

2. Create abstract/general diagrams, maybe *Dataset* and *Reader* classes etc.

3. Check that the naming of classes is consistent over the different diagrams.

4. The diagrams should be sorted visually.

Aditional Information —

1. People involved: Tanja Tornede, Alexander Tornede and Team

Sequence Diagrams

Details —

1. Create more general *schemas* that are then extended into the different use-cases.

2. Steps on how the data is transported and the framework is used need diagrams. specifically the steps before *fit/transform* and after *predict*.

3. Everything that can be called in the program should be visible in sequence diagrams.

Aditional Information —

1. People involved: Tanja Tornede, Alexander Tornede and Team

Data Format

Details —

1. Everything should be put into one file, one line represents one instance.

2. Discuss time-step types and in general attribute/value-types.

3. Should research different data-set formats.

4. Add more simple and short examples for the different value-types.

Aditional Information —

    1. People involved: Tanja Tornede and Team

Grading

Details —

    1. We get a grade at the end of the next semester (SS2021).

    2. The weights of the milestone grading are hidden.

    3. If we fail at any milestone, we fail the PG.

    4. If Tanja doesn't message you until friday, you passed the first semester of this PG.

Aditional Information —

    1. People involved: Tanja Tornede and Team

Planned for next week

Details —

    1. Add the architecture document to the ci pipeline. (Christopher Zinda)

    2. Create abstract/general interfaces and class diagrams and put these into the architecture document with short descriptions.

    3. Create a better version of the data format and put it into the architecture document.

Aditional Information —

    1. People involved: Tanja Tornede and Team

Next Meeting:

    1. Date and time: March 03, 2021 at 09:00 - 11:00

    2. Person responsible for minutes: Saghar Heidari