

The proposed project is dedicated to improving the framework NeuralProphet, framework for the time series forecasting. As a main goal of the project, it is proposed to improve the readability and reproducibility of the code, make the way of training models more easily and add the possibility to run the training process on a distributed hardware. All this improvements should be compatible with the API of the main framework, i.e. supplement it.

The objectives, main goals and milestones are clearly explained. The authors described each direction of work step by step and the possible challenges that may be encountered in proposed ways.

A roadmap with timelines for every part of the project and attendee roles is also presented. It improves the understanding of breaking down a large task into subtasks and the understanding of timing. It also helps to guess next project development steps.

As a baseline, notebooks which illustrate the possible using of the existing library are presented. Notebooks describe solutions to different problems for the several datasets. I suppose, in the context of this problem statement, this is a good description of the baseline.

It is clear from the report how the team is going to test the result. However, I have questions about the result. The team is mostly involved in code refactoring and adding/modifying new modules to the existing solution. This will result in updated documentation and notebooks with use cases. It seems to me that the metric of the happiness of people who are using the new version of the library is missing. In other words, how can the author assess that the improvements are useful for someone?

In general, the description of the work seems to me very good, and repository is easy to follow. Questions that have arisen come from the task specifics: the problem suggests not fixing the approach, but, to a greater extent, refactoring the library code.