Second peer review report (Cohortney)

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1 Code review summary

Structure and reproducibility We explored the structure of the project. The main model is contained in class SinglePointProcessSystem in src/model. This code is stuctured nicely. We found one kinda redundant structure in training step, but it is a minor code style fix. Overall the structure in that code file is clear and the model structure is understandable. Also the code for Cohortney criterion is well-structured.

We tried to run the experiments using run.py script, however had no success. Firstly we encountered problem with data path, but managed to find the folder and copy it into the expected path. But further we run. into the ImportError concerned with no ability to load the model. In particular, the error we encountered reads as follows: "ImportError: Encountered error: ‘No module named ’src.model.SinglePointProcessSystem’‘ when loading module ’src.model.SinglePointProcessSystem’". Therefore we could not run that part of the code.

We tried to run the code in jupyter notebook, contained in the root folder, but also encountered several problems. We added missing function to create directory, there were several imports missing, which were detected only after 25 minutes of running code, as device was initially set to "cuda:6". Overall, there was lack of description and it was hard to understand, what particularly happens.

In general, the report structure and readme.md file did not allow us to understand, how exactly to run the code and reproduce the experiments. However the code of the model and supplementary functions is well-structured.

Possible improvements Possible improvements to this code are contained in `https://github.com/adasegroup/cohortney/pull/5`

2 Project readiness

From what we see, we suppose that the team implemented a SingleProcess Cohortney model in Pytorch Lightning and its supplementary functions. This code is well structured.

We expect that further steps will include implementation of other models, stated in the report, and experiments run with that models.