

Dear Professor Athanasios Kolios,

Thanks a lot for your comments. Please find the reply for each below:

- *In the caption of Figure 5 please rephrase “are not non-structural defects”.* Completed
- *I suggest to replace “Ensemble splitting” in page 15 with “Ensemble generation”.* Completed
- *I suggest to replace “Validation” in page 16 as it is reserved term in ML pointing to train-validation-test split.* Completed – changed to “Performance verification”.
- *In the validation section, please add a few more information on the synthetic data, how they were generated and by how many instances the training set was augmented.* Completed - an additional description of the generation of the synthetic data has been added and Figure 10 has been updated to clearly visualize the synthetic data.
- *I suggest to replace “Model selection” in page 17 with “Weak models”.* Since it was suggested by one of the reviewers to add this subsection that refers more to algorithm selection, the subsection title has been changed to “Algorithm selection”.
- *The title of section 3.1 could be more informative.* Now changed to “Ensemble model performance”.
- *In the same section, it would be helpful for the end reader to organize the results based on the goal of the experiment. E.g., Figures 12 and 13 could be grouped together as both refer to the model performance w.r.t. ground truth. Figure 14 is about the “plausibility” of the predictions; I use the term “plausibility” here instead of “validity” (See my comment above on validation), though I am not sure if “plausibility” is the best term. Figure 15 is about the effect of sequence lengths and so on and so forth.* Figures 12 and 13 have been grouped together and suggested pointers have been added to the captions of now figures 12, 13 and 14.
- *You could use bold/italics etc to highlight some terms in text, this would be esp. useful for long sections like Section 4.* The take-home messages from section 4, as well as other sections, are summarized under conclusions anyway.
- *I would replace the “future work” in the title of section 4 with “open issues/challenges”.* Now replaced by “Challenges”.

Thank you very much.

Kind regards,

The Authors