To Reviewees

Thank you for your reviewing the document and providing me with comments on how to improve the overall paper. I will list the comments then provide a brief summer of how I conducted the changes.

Reviewee #1

How the paper structured is rather confusing, the methodology section is toward the end at section 5, while the earlier section explains the PBSHM approach.

I have restructured the paper concatenating both the PBSHM approaches and the background in to one more clear section on where the data is gathered how it is processed and how to recreate the models.

Fig. 1: is this adapted from the earlier papers where the method originated? If so, please mention in the caption

I have added the reference to the adaptation I the figure.

Reviewee #2

General grammar spelling and references

I have addressed all the mistakes that were observed and conducted a more rigorous review of the paper. This Has all been addressed now.

Removal of duplicate references in the bibliography have been removed.

In Section 5.1, what are the high-frequency 25Hz CMS data? Does it technically correct to consider 25Hz as a high-frequency resolution?

This Has been rephrased to make a clear distinction between the frequency of the data from the CMD and the SCADA data.

Figures and tables.

The correct referencing is conduced with regards to the tables. And I have plotted the error graphs using with a higher number of hex bins to make the differences clearer.

Table 1 where the statistical values of the population form has been updated, to directly represent the values in the plot.
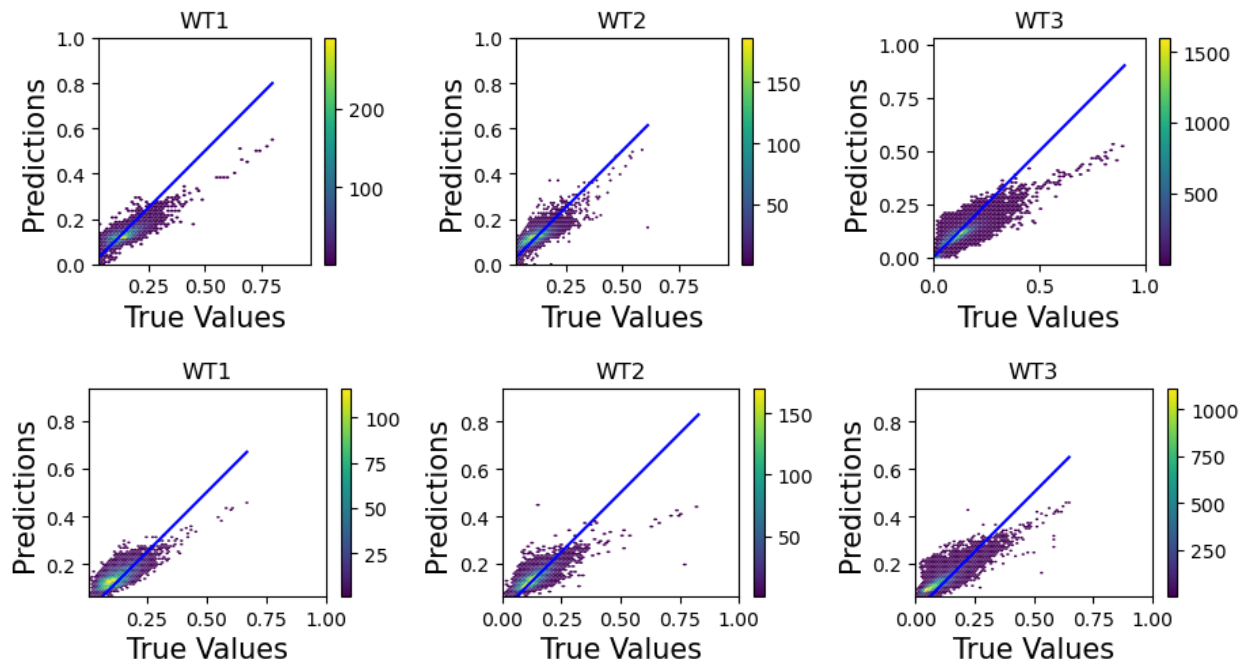
It is shown that the RegularTransferNN is superior to other models in Stage 2. It should be clearly explained why this model performs better. This explanation should also be included in the Conclusion section.

I have added two paragraphs discussing the differences of the models in the results and the conclusion.

I would like to finish this letter by saying I hope that these changes are acceptable and would like to thank you for your patience and expertise on this subject.

Kind regards,
Innes