

Interactive comment on “Decreasing Wind Speed Extrapolation Error via Domain-Specific Feature Extraction and Selection” by Daniel Vassallo et al.

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Dear authors,

Thank you for your interesting paper which presents the implementation of FFNN to a variety of test cases that predicts wind speed extrapolation based on the measurements from single profiling lidar. The overall structuring of the paper is nice and easy to follow. I found some of the technical details need more clarification, particularly on the training and the evaluation of the developed networks. The main issue is however to see the novelty in the results and the conclusions of the manuscript. In particular, please address to the attached comments in the pdf regarding the normalization/scaling being a standard procedure for network training, widely known for

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increasing the performance anyway.

Including the more than fair comment from the previous reviewer regarding the baseline for the physical model (*e.g.* log-law with stability correction instead of power law), I suggest major revisions for this manuscript.

Looking forward to the updated version.

Please also note the supplement to this comment:

<https://www.wind-energ-sci-discuss.net/wes-2019-58/wes-2019-58-RC2-supplement.pdf>

Interactive comment on Wind Energ. Sci. Discuss., <https://doi.org/10.5194/wes-2019-58>, 2019.

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