

Geosci. Instrum. Method. Data Syst. Discuss., referee comment RC1
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Comment on gi-2021-11

Anonymous Referee #1

Referee comment on "Evaluation of Multi-variate Time Series Clustering for Imputation of Air Pollution Data" by Wedad Alahamade et al., Geosci. Instrum. Method. Data Syst. Discuss., <https://doi.org/10.5194/gi-2021-11-RC1>, 2021

General comment: The paper is well written and well organized. It focuses on the imputation of missing air pollutants in a station based on statistical and graphical model evaluation functions. The contributions of the study are clearly explained. Related works give a good overview of the issue. In my opinion the paper is worth to be published in this journal.

Technical corrections: On the lines 196-197 in Section 5.1.1, it is written that "MNB measures if the model under or over predict, as it estimates the difference between the mean observed and imputed concentrations. Negative MMB means that the model under-predict and vice versa. All the models have very small biases." I think MNB and MMB should be replaced with NMB (Normalised Mean Bias). Otherwise, they should be explained.