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Interactive comment on "PM2.5 / PM10 Ratio Prediction Based on a Long Short-term Memory Neural Network in Wuhan, China" *by* Xueling Wu et al.

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This paper proposes a PM2.5/PM10 Ratio Prediction Based on a Long Short-term Memory Neural Network methodïijNand carries out simulation analysis of measured data with Wuhan as the main research area. This study used 9 main factors to predict PM2.5/PM10 based on time space, and random patterns, and compared the LSTM model with other intelligent models. The results showed that the LSTM model had significant advantages in the study of PM2.5/PM10 prediction, which provides an excellent idea for the research of air pollution monitoring and forecasting in China, and contributes to the application of machine learning in this field. Besides, I suggest that

authors should focus on one key points and make a deeper disscusion, models or air pollution, bite off more than one can chew only led a long literary piece, but superificiality research.

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Discussion paper