

Interactive comment on “Strategies of Method Selection for Fine Scale PM_{2.5} Mapping in Intra-Urban Area Under Crowdsourcing Monitoring” by Shan Xu et al.

Anonymous Referee #3

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In this manuscript, the authors presented strategies of method selection for efficiently and effectively PM_{2.5} concentration mapping with increasing training sites based on a crowdsourcing sampling campaign. This study found that Ordinary Kriging (OK) interpolation performed best under conditions with non-peak traffic situation in light-polluted period, the Universal Kriging (UK) modeling performed better for conditions with the peak traffic and relatively few sampling sites in heavy-polluted period, and the Land Use Regression (LUR) model demonstrated limited ability in the estimation PM_{2.5} concentrations at very fine scale. Overall, the the manuscript is well-written and scientifically sounds good, and can be accepted after minor revision.

C1

The authors should really redefine all acronyms in conclusions. . . Conclusions should broadly read as if the reader hadn't read the rest of the paper. Thus, the authors reintroduce everything, including hypothesis and research plan.

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