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 PM2.5 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 PM2.5 concentrations at very fine scale. Overall, the the manuscript is well-written and scientifically sounds good, and can be accepted after minor revision.
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.