Comment on essd-2021-442
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Community comment on "GPRChinaTemp1km: a high-resolution monthly air temperature dataset for China (1951–2020) based on machine learning" by Qian He et al., Earth Syst. Sci. Data Discuss., https://doi.org/10.5194/essd-2021-442-CC1, 2021

Thank you for your work, you have provided valuable long-term monitoring data, and I have a few questions to ask for answers here, as follows:

1. Line 190, ask the machine learning dataset is How to build it, specifically, what are the independent and dependent variables of the input model. Here I understand that you extracted the independent variables (i.e. latitude and longitude and elevation) related to the location of the corresponding meteorological stations in the training set section, and then extended them to all the space after you trained the model. Is the machine learning model trained every month or is it a model that covers the entire study period?

2. Can we open-source the core machine learning code, specifically the model building and training section, so as to deepen our understanding of the article method?