

Interactive comment on “Recognition of spatial framework for water quality and its relation with land use/cover types from a new perspective: A case study of Jinghe Oasis in Xinjiang, China” by Fei Zhang et al.

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This is a solid work that combines field sampling and statistical analysis to reveal the correlation between water quality and LULC types. While the experiments have been designed properly and the results been presented reasonably, I have some specific comments to this manuscript for discussion. 1. “Spatial framework” in the title and in the content sounds a little bit weird, maybe replaced with spatial pattern or spatial distribution? 2. Line 132, repeated sentence. 3. Figure 3, it seems there is only one sample in cluster 3? How much significance would the results of this cluster have?

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Should this cluster be deleted and keep only 5 clusters? 4. Table 1, it seems there is no difference between cluster 1 and cluster 2? Then, what makes them two clusters? 5. Table 2, it would be better to add lines to separate each clusters. 6. Line 239, “combined with” should be “according to”. 7. Line 245-246, how was the accuracy derived for land cover maps in Figure 6?

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