

***Interactive comment on* “Consumption of safe drinking water in Pakistan: its dimensions and determinants” by Naeem Akram**

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Thank you indeed for the valuable comments and based on these I would revise my paper. I would like to answer two very important issues raised:

It seems that author treat predictor variable as continuous in multinomial logit but then categorical in logit and this means that the analysis is wrong. Because if the predictors are categorical, table 2 should look like table 3 (all levels in the predictor variables have their own results or they are dummy variables). Please correct me if I am wrong. if I am correct but please re-do the analysis or update the table if I am correct.

Reply: Basically, in table 2 we have six categories of water sources (multiple categories) so the multinomial model has been adopted. A household will use water from

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one of these six categories. Here first category i.e. water from filtration is a base category and we are comparing the coefficient (Relative risk ratios) of other variables with them. Wherein in table 3 we had only a dummy variable that either household is using water treatment method or not. So here the logit model is adopted.

5. The statistical analysis looks doubtful. Usually researcher use p value < 0.05 , but author also consider p value < 0.1 as significant. Please give your reason for this in the methods section.

Reply: In the analysis, I had used the p-value of 0.05 only because if you see both the table there is only 3 occasions where variables are significant at 0.01 level. It would not affect the results to a great extent. So in the revised draft I would restrict the criteria to only $P < 0.05$.

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