Review - revision

A double-sampling extension of the German National Forest Inventory for design-based small area estimation on forest district levels

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Reviewer 1:

I have only a single marginal question, and probably I am wrong: $Z_c(x)$ is introduced as a row vector in line 183 and Eqs. 9a and 9b, but it is used as column vector in Eqs. 12, 13 and 14. I would appreciate much if the authors could check whether this inconsistency really exists with respect to notation of $Z_c(x)$.

Answer:

Vectors are always column vectors, i.e $Z(x)$ and $Z_c(x)$ are column vectors. When they are used for predictions they have to be transposed in order to get a scalar product written as a matrix multiplication, i.e. $\boldsymbol{Z}_c^\top(x)\hat{\boldsymbol{\beta}}_{c,s_2}$. We added the information that $Z_c(x)$ is a column vector in line 183 to make this more clear for the reader.