Comment on hess-2021-382

Anonymous Referee #1

Referee comment on "Regionalization of hydrological model parameters using gradient boosting machine" by Zhihong Song et al., Hydrol. Earth Syst. Sci. Discuss., https://doi.org/10.5194/hess-2021-382-RC1, 2021

The manuscript is interesting and clearly written. I have a single comment; in particular, what are the practical reasons for regionalizing the parameters of the hydrological model using regression algorithms, given that available data cover uniformly the region of the study; therefore regionalization is not needed in my opinion (parameters are already available).