

## ***Interactive comment on “Development of a revised IHA method for the cumulative impacts of cascade reservoirs on flow regime” by Xingyu Zhou et al.***

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Received and published: 17 March 2020

The Principal Component Analysis is to find a way to replace the old variables with fewer new variables and keep as much information as possible, unfortunately, a small amount of information will be lost, which will affect the evaluation to some extent. The Projection Pursuit (PP) method is a technique of falling high dimension and the Real-coded Accelerated Genetic Algorithm (RAGA) is a method of optimum. Through combining the PP and RAGA, the high-dimensional data are easily changed into low-dimensional space and the characteristics of high-dimensional data can be summarized almost no loss of information.

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Interactive comment on Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2019->

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694, 2020.

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