

Interactive comment on “Examination of homogeneity of selected Irish pooling groups” by S. Das and C. Cunnane

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Received and published: 22 September 2010

As remarked by both reviewers, the manuscript requires substantial modifications for being acceptable for publication in HESS. Some of the relevant points raised by the reviewers have already been suitably considered by the Authors in their Response to referees, and should be properly accounted for in preparing the revised version of the manuscript. In other cases I found the responses of the Authors not fully convincing. Examples are given below:

- Response 2: not to use the kappa distribution as the parent is a strong assumption; Hosking and Wallis (1987, p.67) only use the generalized logistic distribution in very particular situations when the L-kurtosis coefficient is much larger than the L-skewness

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coefficient, which does not seem to be the case for Irish data;

- Response 29-30: the recommendations by the referee are very relevant in my opinion, and should be suitably accounted for by the Authors; I would not overlook these recommendations by saying that the paper is "primarily concerned about the homogeneity of pooling groups", because the novelty of the proposed approach regarding the homogeneity analysis is probably not sufficient in itself to justify publication in an international journal, as remarked by referee #1.

My personal recommendation to the Authors is therefore to carefully consider all of the reviewers' remarks in the revised version of the manuscript they prepare for submission in HESS. The revision will most likely be sent out for review again.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 7, 5099, 2010.

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