

Interactive comment on “Evaluation of bias-correction methods for ensemble streamflow volume forecasts” by T. Hashino et al.

Anonymous Referee #1

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General comments

This paper evaluates the quality of ensemble probability forecasts of river flow volumes, comparing three different model bias correction methods. The paper is very well written, precise, complete in its bibliography and clear in describing the approach and the techniques used. The final summary and discussion is complete and reaches sound conclusions based on the data considered. It is in general a well constructed and useful paper which I recommend for publication after the minor issue raised below has been addressed or replied to.

Specific comments

The authors often use the words "significant skill" or no skill when comparing the

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scores. This could be assessed quantitatively, for example using some bootstrap technique. (An example can be found in Zhang and Casey, *Weather and Forecasting* 15, 1999) In particular fig 8 would benefit from such an analysis.

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