

Interactive comment on “An improved statistical bias correction method that also corrects dry climate models” by Fabian Lehner et al.

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As the changes to the climate change signal induced by quantile mapping and other bias adjustment methods are still a matter of debate, this paper could be a worthy addition to the literature.

However, I would like to ask if the authors are aware of the paper by Vrac et al. (2016). This paper builds on Themeáždil et al. (2012) by introducing the SSR method, which is a flexible precipitation occurrence-bias-adjusting method that can also correct a negative wet day bias. This is the only advanced method deliberately constructed to adjust models with too few wet days, yet this is not discussed in the paper. It would be interesting to read at least a discussion on the differences between this method (based

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on, but not limited to, the CDF-t method) and the one proposed in the paper, or maybe even see a quantitative comparison.

Reference:

Vrac, M., Noël, T., and Vautard, R.: Bias correction of precipitation through Singularity Stochastic Removal: Because occurrences matter, *Journal of Geophysical Research: Atmospheres*, 121, 5237–5258, <https://doi.org/10.1002/2015JD024511>, 2016

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