Which two moments?

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It has recently been argued [Lombardo et al., HESSD-10-4627-2013], that two low-order moments could provide more robust estimations for the parameterization of hydrological stochastic processes. The present work is concerned with the use of low-order fractional moments in hydrological applications. An evaluation of their statistical behaviour is being performed, and being illustrated by means of a hydrological example.