

Interactive comment on “Crops’ sensitivity and adaptive capacity to drought occurrence” by Catarina Alonso et al.

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The current study is on drought vulnerability assessment through an index based approach and has relevance to the requirements of long term drought management. There are some important points for Authors to clarify in order to make this paper fit for publication in any international journal. Title of the paper covers only sensitivity and adaptive capacity aspects although the research work includes exposure aspect also! Any specific reason? The study has compared two methods of computing weights generation for the input indicators namely Principal Component Analysis (PCA) and Categorical method (as named by Authors). It is not categorical method – it is Variance method. It is also a statistical method and not a subjective and non-automatic method, as mentioned by the Authors. It needs to be mentioned that in both the meth-

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ods weights are data driven. PCA adopts a linear approach for weights generations. Detailed information on these two methods needs to be furnished while drawing any conclusion. Why the input indicator at s.no 14 “Aridity Index” in Table 1 is shown under Adaptive Capacity (AC)? Aridity index signifies exposure to drought. Adaptive Capacity is the inherent strength of the ecosystem to cope with the drought conditions and it is generally represented by static variables.

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