Hydrology and Earth System Sciences Discussions

Interactive
Comment

Interactive comment on "Behavior analysis of convective and stratiform rain using Markovian approach over Mediterranean region from meteorological radar data" *by* M. Lazri et al.

M. Lazri et al.

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Dear Referee #2

We would like to thank you very much for the constructive comments. We found indeed that your demonstration shows that stationary probabilities determined by the Markov chain are close to the actual probabilities and these should be identical at all.

Therefore, to validate the method, we verify our model on data from other periods that have not been used to determine the transition matrix. The methodology is to perform the prediction by using the transition matrix. Also, we compare the actual probabilities

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of the forecast period and those determined by prediction. Thank you again

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