

Review of: "Toward a comprehensive behavioral model of hurricane preparedness: The Protective Behavior Model"

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Potential competing interests: No potential competing interests to declare.

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- Very well written paper and interesting topic in which the author analyzed the heterogeneity of hurricane preparedness behaviors. He pointed out the different level of human engagement in protective measures against hurricanes.
- According to author, the main question asked in this paper: "Why do some people choose to take hurricane preparedness actions, while others do not?" remains answered only in part.

I recommend author to the literature review section by theoretical underpinnings about the choice under uncertainty (ex: Economics of Uncertainty; Behavioral Economics; Experimental Economics). Several theories and previous works have already explained the irrational human behaviors and the irrelevance of decision-making in uncertainty and disasters. In fact, individual's behaviors are impacted by several cognitive biases to deal with disastrous and catastrophic risks.

Enhancing the self-protective behaviors requires strengthening people's awareness about hurricanes' occurrence and boosting knowledge on their big losses (human and economic damages) for encouraging the preventive actions. In this field, I recommend the following two references:

- Jemli and Chtourou (2022) : <https://doi.org/10.1007/s13132-022-01027-5>
- Jemli (2021) : <https://doi.org/10.1108/IJDRBE-05-2020-0035>