Review of: "Variable selection in generalized extreme value regression model using Bootstrap method"

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Potential competing interests: No potential competing interests to declare.

The content of the paper aligns with the scope of the journal, but significant revisions are required. Several concerns need to be addressed by the authors before a decision can be made regarding its publication. I have provided my comments below:

1. Please provide more updated references.
2. I suggest you to use the following update papers in your investigation:

Masood, Fawad, et al. "Novel approach to evaluate classification algorithms and feature selection filter algorithms using medical data." *Journal of Computational and Cognitive Engineering*2.1 (2023): 57-67.

Dariane, Alireza B., and Mohamadreza M. Behbahani. "Development of an efficient input selection method for NN based streamflow model." *Journal of Applied Water Engineering and Research*11.1 (2023): 127-140.

Klickstein, Isaac, and Francesco Sorrentino. "Selecting energy efficient inputs using graph structure."*International Journal of Control* 96.4 (2023): 987-999.

Mazarei Behbahani, Mohammad Reza, and Amin Mazarei. "A new criteria for determining the best decomposition level and filter for wavelet-based data-driven forecasting frameworks-validating using three case studies on the CAMELS dataset." *Stochastic Environmental Research and Risk Assessment*(2023): 1-16.

3. Line 17 page 2: remove the space between fi t. In addition, there are similar typing problems in other parts of the paper that I highlighted them. Please correct them.

4. Please categorized introduction in a better way. I suggest you to use Model free and Model based categorization.

5. As you are focusing on regression-based prediction, it would be beneficial to provide an explanation regarding the absence of correlation-based input selection methods in your approach. I suggest considering the inclusion of a correlation-based model, such as Partial Mutual Information, in your feature selection process for comparative analysis. This addition is recommended to further enhance the robustness of your study.

6. I added some comments to the attached pdf. Please consider the mentioned issues.

7. Your conclusion is not enough. Please more describe your key findings in the last part (Discussion and perspectives).

Also, change the topic to "Conclusion".