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 presented methodology combines the Generalized Extreme Value (GEV) regression model with bootstrapping for variable selection and model assessment, aiming to develop a predictive model for rare and extreme events. While the approach appears promising, there are several points that needs to address.

1. There are many mistakes are note in the language of the manuscript. need improvement.

2. Why are you considering only GEV model? Is it posible to consider any other exteme value models in place of GEV?

3. The text mentions using a significance threshold ($\alpha = 0.05$) for variable selection in bootstrapping. How was this threshold is chosen, and is it universally applicable, or should it be adjusted based on the dataset or problem at hand? What are the consequences of varying this threshold?

4. The text assumes that the GEV distribution is appropriate for modeling rare events. There are other extreme models existing in litrature that also work for rare events. What are the key assumptions underlying this choice, and how robust is the methodology to deviations from these assumptions?

5. Is this approach is applicable in large demision?, for instance use it a tool for dimension in high dimensional data. Surely, due to bootstraping, this approach is computationaly expensive. Write the detail in manuscript.

6. You need to conducted a comparative analyses to evaluate the performance of the GEV regression model with bootstrapping in comparison to alternative modeling approaches for rare events.

7. Abstract should be rewritten to exlpain the finding as well

8. What are the limitation of this proposal, need to explain in manuscript