EGUsphere, author comment AC1
https://doi.org/10.5194/egusphere-2022-764-AC1, 2023
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Reply on RC1

Abby Morgan et al.

Author comment on "A user perspective on the avalanche danger scale – insights from North America" by Abby Morgan et al., EGUsphere, https://doi.org/10.5194/egusphere-2022-764-AC1, 2023

We would like to thank the anonymous reviewer and Dr. Frank Techel for taking the time to review our manuscript and providing such detailed and constructive comments.

Overall, the reviewer comments can be summarized into the following five main themes:

- Better highlighting the intent and potential shortcomings of our danger rating questions, particularly the perception question.
- A more transparent description of how we selected the 7-class solution for the analysis of the danger rating level perception question and how it relates to solutions with different numbers of latent classes.
- More intuitive labels and a better color scale for the latent classes to make it easier to read the text and interpret the figures.
- Shortening the manuscript, particularly the results section.
- Summarizing the results with respect to self-reported avalanche bulletin user types.

We are planning to address all of the concerns in our revisions except the last one as we believe that presenting the results with respect to self-reported avalanche bulletin users is outside of the scope of this study and would add considerable text to an already long paper. Please see the attached document for our detailed responses to each reviewer comment.

We thank the reviewers for helping us improve the manuscript.

On behalf of the authors

Pascal Haegeli
Simon Fraser University.

Please also note the supplement to this comment:
https://egusphere.copernicus.org/preprints/2022/egusphere-2022-764/egusphere-2022-764-AC1-supplement.pdf