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To the editors of Nature Communications:

We have enclosed our revised manuscript entitled *Text embedding models yield high-resolution insights into conceptual knowledge from short multiple-choice quizzes* (manuscript submission ID: NCOMMS-23-10640B). We appreciate the reviewers' insightful comments on our previous submissions. We also appreciate your patience as we worked to complete this most recent revision. In addition to taking time to adequately address Reviewer 2's questions and feedback, over the past few months authors Heusser and Manning have both welcomed new children to their families, which further delayed our efforts on this revision. Nonetheless, we have now had the opportunity to carefully consider and respond to the reviewer's comments, and have revised our manuscript accordingly.

Prior to our most recent submission, Reviewers 1 and 2 had both indicated that they were satisfied with our manuscript. Reviewer 3 raised some additional concerns, but because they did not provide comments on our revised manuscript, you had invited Reviewer 2 to comment on how we addressed Reviewer 3's concerns. Reviewer 2 raised a concern regarding a statistical bias we had identified in the analysis we implemented at Reviewer 3's request, and its impact on the clarity and interpretability of our results. As detailed in our responses below, we have now made multiple refinements to the analysis in question, including correcting for this bias, and have revised our manuscript accordingly. The reviewer also suggested moving some content from our *Discussion* section to our *Supplementary Information* file, which we have now done. Finally, they posed several questions about the generalizability of our text embedding approach, which we have responded to in detail below.

We have carefully addressed each of the comments from the reviewer, and provide point-by-point responses on the following pages. The reviewer's comments are *italicized* and our responses are in **bold**.

Thank you for considering our revised manuscript.

Sincerely,

Jeremy R. Manning