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October 23, 2020

Dear Dr. Schiffer:

We have enclosed our revised manuscript entitled *Geometric models reveal behavioral and neural signatures of transforming experiences into memories* (submission NATHUMBEHAV-18094982A).

We have made the requested changes to our submission:

- We have updated the requested axis labels in Figure 8
- We have added additional explanation about the analyses represented in Figure 8 to our Supplementary Materials (“Additional comments on the searchlight analyses (Fig. 8)”)
- We have added additional discussion about the “music presence” features to our Supplementary Materials (sub-section header: “Binary features”), along with a note about “indoor vs outdoor” annotations that are treated similarly (those features also comprise a single word that can take on one of two values).
- We have addressed the remaining items in the checklist

We are also enthusiastic about the option to publish the reviews, responses, and decision letters along with our paper. We wish to participate in transparent peer review. No redactions to the reviews or our responses are needed.

Finally, we have compiled a brief summary statement to accompany our paper:

Heusser, Fitzpatrick, and Manning use geometric models to show the idiosyncratic ways people preserve or distort the “shapes” of their experiences when they encode them into memories.

Our twitter handles are @andyheusser (Heusser), @paxt0n4 (Fitzpatrick), and @jeremyRmanning (Manning).

Sincerely,

Jeremy R. Manning  
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