

# Dynamics of Audiovisual Representations in the Adult Brain Using a Child-Friendly Stimulus Set

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## SUBMISSION DETAILS

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**Presentation Abstract Summary** Multivariate approaches are rarely used to analyze EEG data acquired in children or infants. Here we replicate and extend several effects relative to the neural dynamics of object and/or spoken word perception in adults (N = 35) with a child-appropriate stimulus set of 4 animal and 4 body items. We consider the time-course of visual, auditory, and audiovisual stimulus decoding; associated activation patterns; generalization over time, and category-specific information. In particular, we find no evidence of higher accuracy for the cross-category (e.g. “dog” versus “hand”) than for the within-category (e.g. “foot” versus “hand”) classification of auditory items, i.e. a lack of cross-category advantage.

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