

# A Novel Neuromonitoring Guided Cognitive Intervention for Targeted Enhancement of Working Memory

## Statistical Analysis Plan

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The statistical analysis was computed in RStudio (R version 4.3.0) and the linear mixed-effect models for each behavioral dataset were constructed in lmer package to handle the missing data points. The analysis incorporated the interaction between group and session as a fixed effect, accounting for age, sex, and medication effects, while subject IDs were treated as a random effect in the model.