

Request #: 624 - KHS - Publication/Article

Choice of end-state comfort is dependent upon the time spent at the beginning-state and the precision requirement of the end-state

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Background

We used GLIMMIX and the reviewers want to know more about it. I met with you before (a few years ago, like in 2019). Have used this same analysis on two papers now. Need to run power analysis using odds ratios as my effect size.

Sample

Data collected already. In revise and resubmit of this manuscript.

Hypothesis

The purpose of this current study was to examine the trade-off between precision at the end-state and time spent at the beginning-state. In this experiment, we looked at how the time spent in the beginning-state of a sequential movement influenced the choice of posture when precision requirements at the end-state were either low (large target) or high (small target). We hypothesized that if being precise at the end-state is more important than overall comfort, individuals will choose comfortable end-states when precision is high even if the beginning-state is held for a longer time. Alternately, if individuals prefer to be in comfortable postures for the majority of the movement, a greater ratio of beginning-state comfort should be seen as the duration of time to hold the beginning-state increases regardless of the precision required at the end state.

Progress

Written up already.

Request

Power analysis and better description of Proc Glimmix per reviewers request: "Since I am not familiar with SAS and the GLIMMIX procedure, please provide more details on the statistical model, e.g., underlying distribution, fixed and random effects structure, fitting procedure etc."

Timeline

October 27th - sorry, that's the deadline they gave me.