**Data Key**

**PPT Manual Reaching**

Grouping Variables

1. ppid: Participant ID
2. trial\_num\_in\_block: The block-relative trial the data was recorded in.
3. prepost: The time (before or after tool-use) the data was recorded from.
4. order: Whether the block occurred in the pre-test, first after post-test, or second after post.
5. tracked: The tracker (thumb, index finger, or wrist) the data was recorded from.
6. tracking (study 3): Whether the data was recorded via a PPT tracker, or a SteamVR tracker.

Outcome Variables

1. vel\_m: The (unfiltered) peak velocity of the “out” stage of movement.
2. acc\_m: The (unfiltered) peak acceleration of the early stages of movement.
3. dec\_m: The (unfiltered) peak deceleration of the “out” stage of movement.
4. vel\_lat: The timestamp of peak (unfiltered) velocity (in milliseconds).
5. acc\_lat: The timestamp of peak (unfiltered) acceleration (in milliseconds).
6. dec\_lat: The timestamp of peak (unfiltered) deceleration (in milliseconds).
7. vel\_m\_filt: The (10hz butterworth filtered) peak velocity of the “out” stage of movement.
8. acc\_m\_filt: The (10hz butterworth filtered) peak acceleration of the early stages of movement.
9. dec\_m\_filt: The (10hz butterworth filtered) peak deceleration of the “out” stage of movement.
10. vel\_lat\_filt: The timestamp of peak (10hz butterworth filtered) velocity (in milliseconds).
11. acc\_lat\_filt: The timestamp of peak (10hz butterworth filtered) acceleration (in milliseconds).
12. dec\_lat\_filt: The timestamp of peak (10hz butterworth filtered) deceleration (in milliseconds).
13. acc\_m\_filtvel: The (unfiltered; velocity filtered) peak acceleration of the early stages of movement.
14. dec\_m\_filtvel: The (unfiltered; velocity filtered) peak deceleration of the “out” stage of movement.
15. acc\_lat\_filtvel: The timestamp of peak (unfiltered; velocity filtered) acceleration (in milliseconds).
16. dec\_lat\_filtvel: The timestamp of peak (unfiltered; velocity filtered) deceleration (in milliseconds).
17. acc\_m\_filtfilt: The (filtered; velocity filtered) peak acceleration of the early stages of movement.
18. dec\_m\_filtfilt: The (filtered; velocity filtered) peak deceleration of the “out” stage of movement.
19. acc\_lat\_filtfilt: The timestamp of peak (filtered; velocity filtered) acceleration (in milliseconds).
20. dec\_lat\_filtfilt: The timestamp of peak (filtered; velocity filtered) deceleration (in milliseconds).