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Lab 5

11/28/2023

Title: Electroencephalography & Reaction Time

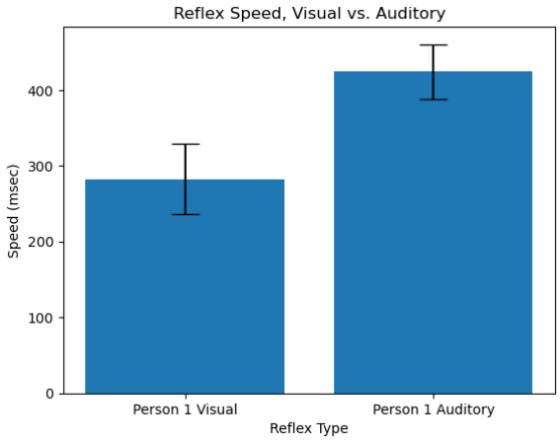
Purpose: To record auditory time using prompts and predicted cues.

Procedure:

1. For prompted auditory cues, repeat the procedures for 5-B on the previous page, but add an additional step. While still clicking the Event Marker button next to the subject's ear at irregular intervals, this time for each of the ten trials, give one word warning just before the click is about to happen. For example, the lab partner could say, "Soon" then click; wait 5 seconds, then say "Soon" then click; wait 7 seconds, then say "Soon" then click, and so on for ten trials.
2. For predicted auditory cues, repeat the procedures for 5-B on the previous page, but alter Step 4. While still clicking the Event Marker button next to the subject's ear, this time for each of the ten trials, the lab partner should click the Event Marker button at regular intervals every five seconds.
3. Compare these classroom results with that from 5-B. Were the times generally shorter? Were the results for 5-C generated by the reflexes alone or could have higher cognitive functions/behaviors (such as anticipation or even simply having good rhythm) influenced

the reaction times? Were there any invalid results in the class (e.g., the subject actually pressed the “Enter” key before the cue was given)?

Results:



Discussion: While my lab partner and I had trouble getting our IWX/214 unit to work, this was still a fun lab. Once we were able to find a working unit the rest of the lab ran smoothly. Lab scribe was a little difficult for me to use at first but, once I got the hang of it, it was fun. It was interesting to hear the sounds at different levels.

Conclusion: After getting a working IWX/214 unit lab 5 ran smoothly. My lab partner was the one controlling the switch while I listened. We were able to see the auditory results by using the “Visual” in Labscribe3. In Lab 5, I was clearly able to see my auditory reaction time and enjoyed the lab.