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Thursday lab

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Lab 5: Visual and Sound Reaction

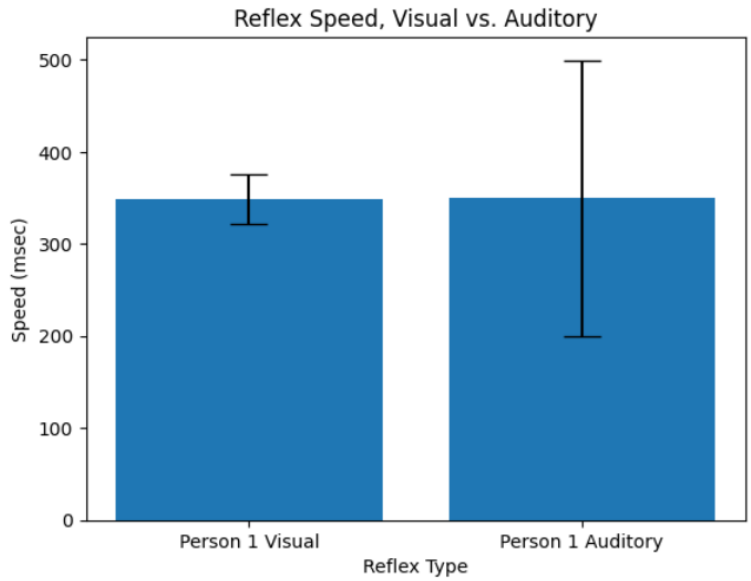
Purpose

The purpose of this lab is to test our reaction speed to visual and auditory stimuli. Me and my partner performed this experiment remotely.

Procedure

First, we accessed two websites to test each of our visual and auditory reaction speed. We followed the links sent to us on our canvas page by our professor. Me and my lab partner tested our visual reactions first. The website asked us to click on the screen when it turned the color green. Then it would give us the speed at which it took us to react, in milliseconds. I performed this task 10 times and recorded my speed each time. Next me and my partner tested our auditory reaction speed. This website prompted us to click the spacebar on the computer every time we heard the noise. It also gave us the speed at which we responded in milliseconds. I performed this task 10 times and recorded my speed each time. Once completed we found the average and standard deviation of all ten of our visual reaction speeds and did the same for all ten of our auditory reaction speeds.

Results



Visual Reaction Average: 348.5

Visual Reaction Stdev: 26.75

Auditory Reaction Average: 349.4

Auditory Reaction Stdev: 47.45

Discussion

From the results that I gathered; I can conclude that my visual reaction to the stimuli was consistent through all 10 times that I did it. My results ranged from 306 ms to 367 ms, which was on the slower side according to the website. From what I can see from my auditory rection results, I had a much larger range for my reaction speed. My fastest speed was 204 ms and my slowest speed was 649 ms. I was much more successful in my visual reaction than my auditory reaction.

Conclusion

In conclusion, I can see that when you consistently practice reacting to visual and auditory stimuli it can improve your reaction time because your brain adapts to the pattern, and you can get a better idea of when it will happen. It's true what they say, practice makes perfect. I believe I could have been more successful with the auditory experiment if I was in a quiet environment, but I'm not concerned with my results.