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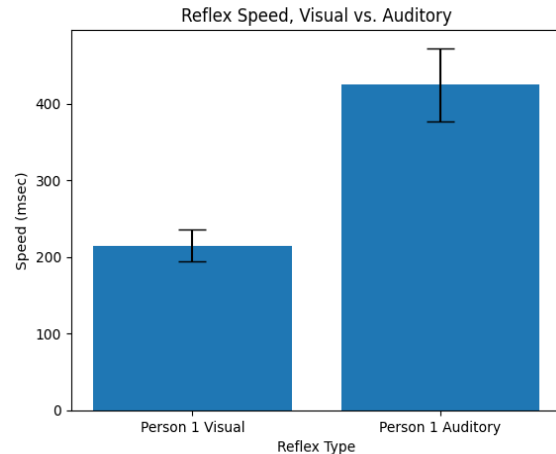
Physio Lab 5 Report

Sept 23 ,2023

Purpose: The purpose of this lab is to understand and measure visual and auditory reaction time. It is a simple tool to measure your reaction time. The average (median) reaction time is 273 milliseconds, according to the data collected so far. In addition to measuring your reaction time, this test is affected by the latency of your computer and monitor. Reaction time (RT) tests are known as simple and sensitive tests for detecting variation in cognitive efficiency. RT tests measure the elapsed time between a stimulus and the individual's response to it.

Procedures: For this activity we will be able to measure the visual reaction time then will record our reaction time, same for auditory. **For auditory time** we followed the link to the audio reaction test, then we start the test, when the audio prompt is heard, press the spacebar or click the screen right away to get the reaction time (in milliseconds), then record the given time and repeat 10 times to get auditory reaction time. **For visual reaction time we** followed the link to the visual reaction testing website, then we get ready to start the test, when the audio prompt is heard, press the spacebar quickly to get the reaction time (in milliseconds), then record the given time and repeat 10 times to get visual reaction time.

Results:



| <i>VISUAL RESPONSE TIME</i> | <i>AUDITORY RESPONSE TIME</i> |
|-----------------------------|-------------------------------|
| 208 | 426 |
| 196 | 398 |
| 203 | 373 |
| 275 | 421 |
| 215 | 411 |
| 177 | 416 |
| 259 | 488 |
| 184 | 397 |
| 225 | 434 |
| 205 | 480 |
| AVERAGE: 214.7 | AVERAGE: 424.4 |

Discussion: So, from the data I got I can see that I had a slower reaction time in auditory, with an average of 424.4 milliseconds, compared to the response time visual, which was at 214.7 seconds (about 3 and a half minutes)., Almost half of the response time when compared to auditory. I find those results interesting because usually auditory response is faster due to it being closer to the brain.

Conclusion: In conclusion, with this experience although I have a faster average visual response time, audio should be faster in normal circumstances. Looking at the group data shows that on average most people's auditory response time is faster than their visual response.