

Lab 5: Auditory and Visual Reaction

Purpose: The purpose of this lab was to test our reaction speed to visual and auditory stimuli. We performed this experiment remotely.

Procedure: First, we went on canvas to access the links that Professor Oak assigned. My lab partner and I tested our visual reactions first. The website asked us to click on the space key when the screen turned green. Then it would give us the speed at which it took for us to react to it in milliseconds. We both performed this task 10 times and recorded the reaction speed each time. Next, my lab partner and I tested our auditory reaction speed. This website prompted us to click the space bar each time we heard the sound. We then recorded each speed time. Once we both completed the tasks, we found the average response and standard deviation of all ten of our visual and auditory speeds.

Results:

VIS1_MEAN = 265

AUD1_MEAN = 231.7

VIS1_STD = 29.13

AUD1_STD = 39.41

Discussion: From the results I gathered from this lab, I can see that my visual stimuli improved throughout the 10 times I did it. I started at 330ms and ended at 276ms. In between these times I had both improvement and slower times. From what I can see in my auditory results, I can see an extreme drastic change in my results. I started at 296ms, almost 300ms, and ended at 212ms. In this experiment I saw mostly improvement rather than slower times.

Conclusion: In conclusion from this lab, I can see that when you consistently look and hear a sound or a visual you improve your reaction time. I believe it is due to your brain catching on to a pattern and having an idea of when it is going to come up.