Diana Valencia

Lab 5 Report- Recording Visual & Auditory Reaction Times.

Purpose: The purpose of this lab is to perform visual & auditory reaction times test, and record the time in milliseconds. This experiment will be repeated 10 times for both visual & auditory, as this will give us an average reaction time. In this lab we will learn if we are a visually dominant learner, or an auditory dominant learner. Subsequently, we will also be learning how to successfully create error graphs.

Procedure:

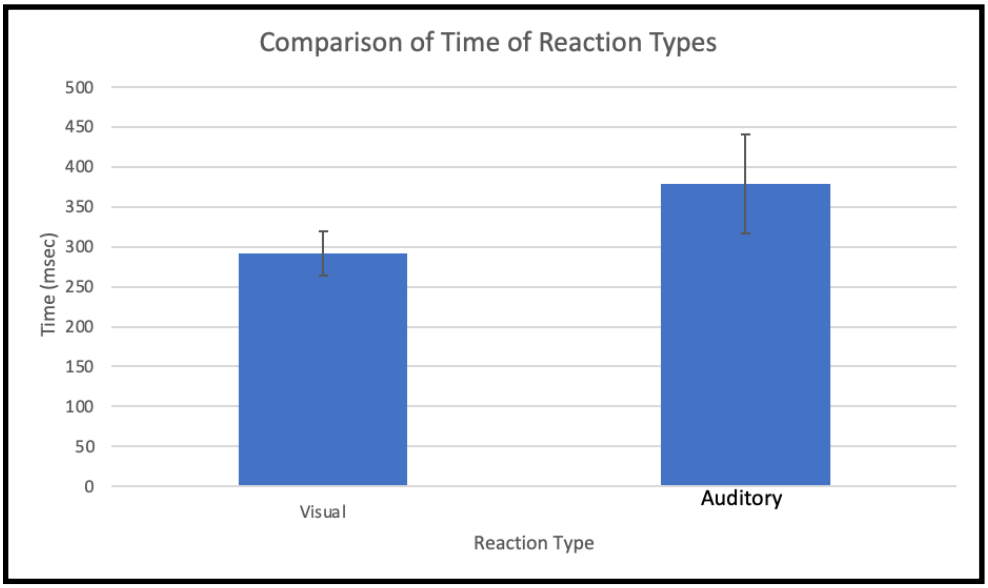
Visual Reaction time-For remote lab

1. Use this activity to measure visual reaction time: *https://humanbenchmark.com/tests/reactiontime*
2. *When the red box turns green, click as quickly as you can.*
3. *Click anywhere to start*
4. *Wait for green, as this is the visual prompt*
5. *Quickly press the spacebar/click the screen to get reaction time (in milliseconds)*
6. *Click to keep going*
7. *Record the given time and repeat 10 times.*

Auditory Reaction time-For remote lab:

1. Use this activity to measure auditory reaction time: https://playback.fm/audio-reaction-time
2. Click, touch, or spacebar to begin
3. When the bell sounds on orange window, click, touch, spacebar as soon as you can, to *get reaction time (in milliseconds)*
4. *Record the given time and repeat 10 times.*

Results:



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Visual Reaction Time	Auditory Reaction Time
300	384
356	353
281	428
293	308
316	367
296	527
282	350
267	331
262	346
269	391

average	292.2 (visual)	378.5(auditory)
stdev	27.94359398	61.97356067
0.0008134	p value	

anything less than 0.05p value is considered significant.

Discussion:
From the the data above, I can see that I am a visually dominant learner. This means that I learn and retain information better when it is presented in, pictures, diagrams, charts, examples etc… I find this to be true because I find it a lot more easier to understand the lecture, when it is being written on the board, or doing hands on experiments.

Conclusion:
In conclusion, in this lab we learned that everyone learns differently. We learned the range of reaction times found in large groups. We also learned how to create error graphs.