Abstract:

- Make sure it is a complete summary of the paper including: intro that gave a statement of purpose or why the study was conducted, or the methods where iWorx or Labscribe is mentioned, and a concluding statement. Some results were discussed about what was significant, but no conclusions formed.
- make sure it is concise, should be 150 words.
- P-values are an extremely common thing in science, when you say something is statistically significant, it is implied that the p-value is less than 0.05. Don't mention it in the abstract. Also, the statement that a t-test is performed should be omitted. That only needs to be mentioned in the methods section
- Do not say that future things will be discussed, it redundant and known

Introduction:

- Make sure you include pertinent background information
    - For example, how stimuli are registered in the ear vs the eye
- Integrate the research question and hypothesis into the text. Do not simply state The question was… The hypothesis was…

Methods:

- No pronouns should be in the methods section. I should not see "we did…"
- Should include the specific setting you are using, Auditory-VisualReflexes
- Should include how you calculated reaction times (T2-T1)
- Should conclude the methods section with the type of statistical analysis performed

Results:

- There was no significant difference. If you found significant differences make sure you used the group data and that you did a two-tailed t-test with unequal variance, refer to the excel tutorial from week 1. 0.09 is greater than 0.05 so it is not significant.
- Error bars should be standard error. Refer to excel tutorial for information.
- Make sure the p-values are reported in the text, not as a table. Do not report SD or SE in table format. Those are used to make standard error bars. You can report them as averages ± SE.
- Whether or not error bars overlap is not a true test for significance. The only test we are doing for significance is a t-test.
- Title should be descriptive of the trend being shown. It is not X vs Y
- Sample size should be reported in the figure legend of the graph

Discussion:

- Make sure you have a clear statement of rejecting or failing to reject your hypothesis
- Make sure you back up the claims with sufficient resources. Sufficient resources are more than one resource
- A source of error is not the small sample size. It is a limitation of the study, but not a source of error
- A future study of increasing the sample size, is not a proper future study. You need to take the study to the next level when proposing future studies.