

↳ Kines-257

Measurement Lab – Kinesiology 257

- The report for this lab should follow the same general format as the Digi-Net98 lab report
- **DO NOT** just copy and past the introduction and methods from the website!!! Your grade will be automatically reduced by half and then other deductions taken from there!!!
- Intro-- outside sources you can include in your introduction include the lab print out from the website; Magill (pp. 27-29) from the class book; Schmidt & Lee chapter (pp. 15-40) on reserve in the library. Intro should include background information on types of error, how they are used in performance, etc. The last sentence should be the purpose of the lab.
- Reference for Schmidt chapter:
Schmidt, R. A. & Lee, T. D. (1999). Methodology for studying motor performance. In *Motor control and learning: A behavioral emphasis* (pp. 15-40). Champaign, IL: Human Kinetics.
- Use the lab printout, Digi-Net lab format, and Measurement handout I gave you as guides for the methods section and what you should include in the different sections (subjects, tasks and apparatus, procedures, data analysis)
- Results—you should refer to and include 4 Figures (**label them as Figures, not graphs) along with the corresponding Tables. Make sure you connect points by hand with straight line if you can't get the computer to do it. You should refer to each figure and table in sentence format, describing to the reader exactly what happens. Each figure should have at least one sentence describing it. (i.e. By using the data in *Table 1*, it can be seen that Subject D's VE decreased over time (see *Figure 1*).The decrease in VE over time can be attributed to.....).
 - *Figure 1*. Constant error scores for Subject A versus Group Mean by Trial versus Group Mean by Block of 5. **you will have 3 lines on this chart
 - *Figure 2*. Absolute error scores for Subject A versus Group Mean by Trial versus Group Mean by Block of 5. ** you will have 3 lines on this chart
 - *Figure 3*. Variable error scores for Subject A. **you will have one line on this chart; use the far right column from the VE table and select all 6 numbers to be in the chart by holding down the Ctrl button as you highlight the 6 cells
 - *Figure 4*. Hand calculation of variable error for trials 1-5 for Subject A.
- Refer to and include 3 Tables – CE, AE, VE and label tables the same way as figures.
 - i.e.) *Table 1*. Constant error scores for the bean bag toss.
- In the Discussion section, there should be at least 4 paragraphs answering the questions from the lab printout on the web. Paragraphs 1-3 should answer each of the questions asked in the website lab. In paragraph 4, discuss why your results may have turned out the way they did (i.e. is block 4 VE really high compared to the others? Why?) and any possible reasons your data may be inconsistent (i.e. the ring rolling and bouncing off walls in ringette).
- Reference page – should include at least the lab printout and the 2 other sources if used

- The conclusion section should be a brief generalization of the whole lab and what was concluded from it (purpose, results, etc).
- **If you need help using Excel, there are free workshops through CCSO. For more information visit www.ccsso.uiuc.edu. You can also enter all of your data (scores) into Excel and save it to a disk and then make an appointment with me for some help. Please do not wait until the last minute for help with Excel!!!**

*****DO NOT WAIT UNTIL THE LAST MINUTE TO ASK FOR HELP !!!*****

E-mail: terando@uiuc.edu or stop by Room 241 Freer if you have questions

Good Luck!
