

0.1 Common Mistakes

Here is a list of common mistakes you may or may not have done.

- Use the wrong date (often use date they do write-up rather than date of the lab)
- Forget their lab partners last name
- Wrong format for name, lab, etc
- Introduce the lab rather than simply state their objective
- In the objective they start their sentence with "To" which is not a complete sentence
- Forget to define equation variable in the theory
- Forget to relate theory to experiment
- Forget to put units (or wrong units)
- Not state general equations
- Error not 1 sig fig or rounded down
- Value corresponding to error has more decimal places than the decimal place of the error
- Forget to put title on the graph or have x vs y instead of y vs x
- max/min lines not encompass all of the points and their error
- b_{min} not on the graph
- Not labeling the y-intercepts and/or the slopes (or labeling incorrectly)
- Majority of the graph space left unused
- Use data points instead of graph points to find m_{best} , etc
- Forget to compare equation of a line with theory equation

- Not restate results to prove statements in discussion and conclusion
- Use human error such as "I may have calculated wrong" or "human reaction time" in the sources of error.