



## The Glucometer: A Study in Uncertainty– Prelab Quiz

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Answer these questions after reading the “The Glucometer: A Study in Uncertainty” assignment.

You are encouraged to do your work in a Jupyter Notebook. You can submit your pre-lab quiz to Blackboard as either a .pdf or a .ipynb file.

Work the following problems from Taylor, J. R. (1997) *An Introduction to Error Analysis*. Sausalito, CA: University Science Books

Please note that it is perfectly okay to use Python functions to compute your answers. For example, numpy offers the `mean()` and `std()` functions to calculate mean and standard deviation of an array.

1. **[4 points]** Problem 4.10 (page 113).
2. **[6 points]** Problem 4.16 (page 114).