

Experimental Design: Campus temperature, 1-10-2012

Attached are the data.

Your assignment is to:

- look at these data and come up with an estimate of the campus temperature within 0.5 degrees C.
- put these data into a one page report that states the campus temperature as you elect to calculate it,
- pick and choose what data you wish to use to make your calculation, and reformat these data in a new table,
- copy and paste this table into your report, and
- include a list of the procedures that should be standardized by the group prior to repeating the experiment.

Give most of your thought to the standardized procedures, and have this list as complete as possible. A simple list of all the things you think we might standardize.

Print the report out and turn it in at the beginning of the lab. I will grade your report and record this grade as quiz number 1 for the lab. I will compare your report to the best in the group in determining your grade.

Next lab we will spend some time discussing these data and the standard procedures you wish to adopt. Then we will repeat the experiment.

I would expect you to spend not more than one hour preparing this report, but the time you put in is up to you.

To prepare for our discussion next time, look up the definition of "conformational bias."

If you have difficulty with Excel or any other aspect, we can discuss after lecture class or you can contact me by email or phone.

Bill wilcox