**Global Temperature Change in the 21st Century**

Students were required to read the introduction of the module and answer questions about it and data analysis the night before the class. They submitted their responses in a google form, and I graded them (primarily on completion) before class, in order to identify confusing ideas and misconceptions.

In class, each pair of students were assigned a different latitude, and we worked through the assignment as a class. The students made graph and then used Vassarstats to determine if the slope of the line was significantly different from zero. I spent quite a bit of time talking about what information is provided by the equation of the line, the R2 value, and the p-value.

In the second class, we combined the data from each student’s latitude to determine how the change in temperature was expected to vary with season and latitude.

Students were required to turn in a graph from each day and answer a series of questions about their methodology and the meaning of their results. Also, two multiple choice questions about a graph very similar to the one the students created were included on the following test.