Goal 2.2 Reflection

Data analyzation is a much-desired skill that is needed throughout the Longwood Biology curriculum . In earlier classes I was expected to read peer reviewed articles and analyze their data using other sources to help determine if there was a correlation between the two. In Genetics, we were left to design our own research project that would hopefully develop a brew of beer that had a unique aroma and taste. We genetically modified genes in yeast such as FAS2 and ELO3. Little was known about these genes and how they affected viability of the yeast.

Before cell biology I was not aware that databases like **YeastGenome.org** even existed. It amazes me that so much more data is available online and to the public that anyone could engage in genetic modification. Because the sciences are constantly evolving and something has likely been looked into before you got to it, I learned that it is acceptable to take information that others have already found as long they are cited. This can be done because collaboration is needed between scientist if major breakthroughs are going to occur.

I learned that if I become engaged or employed in a research lab, these online databases will certainly be implemented. The knowledge certainly relieves the amount of time because I wont have to do the experiments that have already been done by other scientist. My professors also introduced me to google scholar which seemed to help me located important databases and papers that are related to my area of research.