Goal 2.2

For my first artifact for goal 2.2: being able to analyze data quantitatively and develop testable models of that data I chose my introduction for Cell biology 326 with Dr.Beach which is editing the yeast genome in an attempt to influence flocculation by overexpressing the gene SFL1. I was fairly excited about this project mainly because we were working with beer. This helped with goal 2.2 because a fair amount of research had to be done and considering the topic and experimental design the research involved a lot of understanding quantitative data which helped with my learning process. For my second artifact I chose my animal behavior class biology 475 with Dr.Znosko where we did research on green anoles and subjected them to external stresses. We then put the data through multiple formulas to be able to tell if our data was significant. This helped my learning process because we had to learn how to use and apply several methods of quantitative data analysis. For my third artifact I chose chose my research proposal for biology 488 capstone class where I had to do extended research into the main threats to marine life and then come up with projects to help fight these main threats. This helped with my learning process and the goal because I had to analyze and interpret many experiments with quantitative data.