DIS Summary

* Learned introductory R coding
  + Completed introductory level of R coding classes on DataCamp
  + Began intermediate R coding classes on DataCamp
  + Focus on data analysis for tutorials on other websites
    - Data analysis involved pulling data from matrixes, plotting graphs and comparing data
* Learned github/unix shell
  + Completed tutorials to learn both github and the unix shell
  + Weekly lab notes were pushed to github as a way to share documentation
    - Tracking of progress and when steps were taken in research is vital for understanding how the outcome came about and to retrace steps or as an explanation for other individuals
    - Received practice in weekly reports that are required when working in industry or on research
    - Completed tasks on a weekly basis and reported the outcome and progress to the head of the lab
* Learned introductory model making
  + Completed tutorials and gained an introductory understanding of InsightMaker
  + Worked with the EnviroTyping Model
    - Gained the understanding of communicating plant breeding in a way that introductory students and plant breeders can comprehend
    - Connected environments and their factors to plant genotypes and how they are affected
* Communication and work with multiple members to achieve a learning outcome
  + During the semester it was necessary on multiple occasions to meet with another member of the lab to help further understand a project
    - Met with Austin on multiple occasions to be introduced to Github, Markdown and InsightMaker
    - Spoke with computer science friends when working with Read the Docs and Markdown to comprehend Python packages
      * Have discovered how talking through a coding/programming issue is an effective way to achieve an outcome in a shorter amount of time
* Achieved a greater understanding of plant breeding programs
  + Through received articles from Dr. Stapleton, my understanding of plant breeding programs has increased significantly
    - Articles regarding apple breeding – how the honeycrisp apple was bred and articles on bull breeding although seem very different are both looking for the best possible genes to optimize their environment
* Read the Docs and Markdown
  + Started working on a Read the Docs for the EnviroTyping Model
    - This read the docs is completed using MarkDown