1. Write approximately 200 words describing what you want to learn in this class and what you are most excited to learn.

In this class I would like to learn how to generate novel code, or alter existing code for my specific needs for analyzing large data sets. I would also like to gain a more intricate knowledge of how to analyze big data sets as well as how to correlate those data sets with data from literature or journals that can be accessed via the internet. Being able to quickly pull data or even qualitative information from various publications and drop the relevant information into a concise package would be extremely useful. Data science is a growing field and most, if not all companies in my field have data scientists and being able to communicate with them is a must.

I am most excited about being able to generate data and plots or diagrams for the given data to present to a client, supervisor or colleague. I am also looking forward to learning new ways to create code that could potentially reduce my workload for some everyday items. Learning about various techniques in the data science field and to be able to add those skills to my resume is also very exciting as I look to explore the field of data science, whether that is in my current field or another field, as I continue my career.

1. Write approximately 100 words describing how the skills you'll learn in this class will help your career. If you don't have a career in this field yet, no problem! Write about how these skills will help you reach your goal.

I currently work in the biotech industry as a Field Application Scientist. Knowledge of data science techniques and being able to apply those skills coupled with my biochemistry background allows me to have a unique position in the biotech sector; a bridge between data science and biology. I interface with customers on a daily basis and about half of the time it is in regards to their data and how to interpret it. I should be able to immediately apply the skills that I learn in this course to my current position and I have already reached out to our data science team to determine how best to apply these new skills towards being able to achieve the overall goals of the company.