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Mr. Speice

Independent Study and Mentorship 3B

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Back in Business

Weekly Report 3/19/18 to 3/25/18

School has been back in session for one week since the end of spring break and things are definitely back in full swing. Between regular classwork, my job, orchestra concert season, and my final product, I am feeling extremely overwhelmed.

This week, I met with my mentor to work on my final product. I was excited for this mentor visit because I was looking forward to hearing Professor Meyer's advice about my final product. Professor Meyer recommended that I begin the data analysis and begin my paper. This was a very productive visit and I learned a lot from Professor Meyer about the importance of using Google Sheets to analyze and collect empirical data. Before the next visit, I will need to score all of the personality tests, create a 13x13 correlation matrix for all of my r-values, find the p-values for each correlation number, create the t-test charts, finish reading and annotation about 30 research sources, and write the introduction to my paper in addition to my normal classwork, a job, and upcoming rehearsals and concerts for orchestra.. Needless to say, I am feeling quite stressed.

Despite the immense amount of work required for my final product, I am still pleased with my product selection. Already I have learned so much about my topic and about the research process. Had I been completing this product on my own, I would never have thought to

use a correlation matrix and p-values. A p-value is the likelihood out of 100 percent that a correlation is coincidental. A low p-value, typically $p < 0.05$, indicates a significant finding and a high likelihood of a similar correlation if the study were to be completed with an entirely different sample. Professor Meyer has taught me a lot about the psychological research process and I am extremely grateful for her help.

Over the course of the next week, I plan to continue my research for my final product and finish the data analysis. Once these tasks are complete, I will begin my data analysis paper that I hope to eventually get published. I also hope to solidify my final presentation night invitations and presentation room. Additionally, I am going to focus on time management in order to help myself complete all assignments in a timely manner to limit my stress levels.

Accomplished this week:

- 8th mentor visit with Professor Meyer
- Completed the textbook reading and notes about trait theory and personality
- Completed research about children and education in affluent vs. low income areas
- Closed my survey for completion
- Reverse scored specific questions in my survey
- Graded the personality tests in my survey
- Created 13x13 correlation matrix

Goals for next week:

- Adolescent sleep studies
- Study habits research
- Birth order research
- Siblings research
- Extracurriculars research
- AP/Advanced classes research
- Favorite subject research
- Gifted program research
- Find p-values
- Create t-test charts
- Consolidate extracurriculars into 2-4 groups
- Find a presentation room for FPN

- Assessment 20
- Finish final presentation night invitations