Eng & CS Seminar: Data Structures + Algorithms Due date: 10/19 by 3pm

Unit 2: File Handling Assessment [Dr. Ortiz]

*Throughout this unit, you have learned how to import and export data through files. In this project, you will use what you have learned to answer questions that relate to you and are of your choosing.*

1. Head over to these two websites:
   1. <http://www.electproject.org/home/voter-turnout/voter-turnout-data>
   2. <https://www.census.gov/data/tables/time-series/demo/voting-and-registration/p20-580.html>
2. Thinking about the data sets that exist and are provided at those two sites, choose two questions to answer that relate to your own identity. This might be as a Connectican, as a Fairfield resident, as a young person, as a person of your race, etc. It might relate to voter turnout or number of voters registered for specific parties. It’s your choice. Choose two questions that *you’d* like to know the answer to!
3. Find and download the appropriate data sets and get to work answering your questions!
4. Report your findings clearly and succinctly, including the following sections:
   1. Introduction. What are the questions you tried to answer?
   2. Explain your choice of data sets. How will they help you answer your questions?
   3. Explain your process. How did you go about answering the questions? What specific pieces of information did you need from each data set and how did you combine things to arrive at your answer? How did you approach the questions in your code?
   4. Data. What did the data show? Here is where plots might be helpful, depending on your question.
   5. Run into any roadblocks? How did you solve them?
   6. Conclusions. Bring everything together here. What are your takeaways?

Grading Rubric:

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|  | Points [28 pts total] |
| Your questions relate to you. | 2 |
| Your choice of data sets help you answer your question. | 2 |
| Process | 8 |
| Data dissemination | 5 |
| Setbacks/Solutions | 3 |
| Conclusions | 3 |
| Code runs as expected | 5 |