LESSON PLAN

LESSON #10

Aim: Ranking and plotting data part 2

Objective: After a lesson on reading and selection of data, students will be able to use Python to perform the same procedures on two other datasets.

Do Now: What is a data science? https://www.youtube.com/watch?v=X3paOmcrTjQ

Standards: 9-12. IC.7 Computational Thinking, Algorithms, and Programming

      9-12. CT.2 Computational Thinking, Data Analysis, and Visualization

      9-12. CT.3 Computational Thinking, Data Analysis, and Visualization

      9-12. DL.5 Digital Literacy, Digital Use

Mini-Lesson:

1. Review yesterday's lessons
   a. Grouping data
   b. Rearranging data
2. Student's will use at least three datasets and/or websites on which they will perform the same data procedures illustrated in class on Friday, while working in groups of 2s or 3s. Each group must continue processing the datasets they selected on Wednesday of this week. You may not use the first dataset; instead, you must select another dataset in its place.
   Note: Play with the "kind" parameter in your plot function.
3. Conclusion and summary
   Discussion:
   » What are some of the problems or challenges you encountered?
   » How did you resolve them?
   » What did you learn from this lesson?
   » Do you have any lingering questions on today's lesson or data science in general?