LESSON PLAN

LESSON #2

Aim: Data reading and selection 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 at least two other datasets.

Do Now: Big data statistics? https://www.youtube.com/watch?v=GKLu8Oq5BXY

Standards: 9-12. IC.7 Impacts of Computing, Career Paths

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

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

9-12. CT.7 Computational Thinking, Algorithms, and Programming

Mini-Lesson:

1. Review yesterday's lessons
   a. Creating a data frame
   b. Reading data
   c. Selecting data
2. Student's will choose at least three datasets and/or websites on which they perform the same data procedures, while working in groups of 2s or 3s. Each group must choose dataset #1.
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?