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# LESSON PLAN

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## LESSON #6

**Aim:** Data manipulation and sorting 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:** Who uses student data? <https://www.youtube.com/watch?v=v1uj0JkCpgM>

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

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

9-12. CT.10 Computational Thinking, Algorithms, and Programming

### Mini-Lesson:

1. Review yesterday's lessons
  - a. Filtering data.
  - b. Handling Missing data
2. Student's will use at least two 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 two of the datasets you selected last Monday. You must use the first dataset and at least one from your earlier choice.
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?