

Python for Data Analysis and Visualization

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Class 2: Dictionaries and JSON

Class 2 Homework Exercises

1. Create a dictionary tracking the names of students in a class list and their majors, using the keys 'Name' and 'Major'. Include at least 5 students. Then write the code to print only the majors in your list, with no duplicates.
2. Using the code you learned in class one, on accessing data in files, and code for accessing dictionaries, write a program to count how many times each roof type is mentioned in the file 'SAFI_results.csv.' (Hint: All the commands you need are in the solution to Class 1 Exercise 1, and Class 2 Exercise 1)
3. In your Jupyter Notebook for class 2, print the first dictionary contained within the SAFI.json file. Find the key 'D_curr_crop' and write the code to print the value of this key.
4. Write the code to print a list of the unique land measurement types ('D03_unit_land') in the SAFI.json file.