

Introduction to Python (Fall 2024)

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## **Class 2 In-Class Exercises**

### **Exercise 1**

Create a new dataframe called `SAFI_subset` from the `SAFI_results.csv` that contains the columns `C01_respondent_roof_type`, `C02_respondent_wall_type`, `C02_respondent_wall_type_other`, and `C03_respondent_floor_type`. Calculate the percentage of cells in the dataframe that are null.

### **Exercise 2**

1. Read in the `SAFI_results.csv` dataset.
2. Get a list of the different `C01_respondent_roof_type` values.
3. Groupby `C01_respondent_roof_type` and describe the results.
4. Create a new dataframe which is the result of an outer join of the grades and students dataframes using only the student ID column to join on. What do you notice about the column names in the new Dataframe?