Using the LIBINSIGHTS-2\_modified.py Script to Clean CSVs

The `LIBINSIGHTS-2\_modified.py` script is a tool designed to help you clean CSV files based on a reference CSV. This document provides a detailed guide for beginners on how to use this script on both Mac and Windows operating systems.

# Prerequisites

Before you start, make sure you have the following prerequisites in place:

1. Python installed on your system. If not, download and install it from Python's official website: https://www.python.org/downloads/

2. Pandas library for Python. Once Python is installed, open your terminal or command prompt and run the command: `pip install pandas`

# Steps to Use the Script

1. Save the Script: First and foremost, ensure that you've saved the `LIBINSIGHTS-2\_modified.py` script to a familiar location on your computer,   
such as your Documents or Desktop folder. This will make it easier to navigate to in subsequent steps.  
  
2. Open the Terminal (Mac) or Command Prompt (Windows):  
 - Mac: Navigate to Applications > Utilities > Terminal.  
 - Windows: Press the `Windows + R` keys simultaneously. In the Run dialog box, type `cmd` and hit Enter.  
  
3. Navigate to the Script’s Location: To run the script, you first need to navigate to its location using the terminal or command prompt.   
 - Mac: Use the `cd` command followed by the path to the script’s directory. For example, if you saved the script to your Desktop: `cd ~/Desktop`  
 - Windows: Use the `cd` command followed by the path to the script’s directory. For example, if you saved the script to your Desktop: `cd %USERPROFILE%\Desktop`  
  
4. Run the Script: Now that you’re in the correct directory, you can run the script. Use the following command, replacing the placeholders with the actual paths to your files:  
 `python LIBINSIGHTS-2\_modified.py path\_to\_input\_csv path\_to\_reference\_csv path\_to\_output\_csv`

**HERE IS AN EXAMPLE COMMAND THAT RUNS CORRECTLY: (USE EXACTLY THE SAME FORMAT AS THE CODE PROVIDED):**

python LIBINSIGHTS-2\_modified.py “/Users/Downloads/LIB/FirstName.csv” “/Users/Downloads/LIB/SecondName.csv” “/Users/Downloads/LIB/ThirdName.csv”

**Here’s what each placeholder means:  
 - `path\_to\_input\_csv`: The full path to the CSV file you want to clean.  
 - `path\_to\_reference\_csv`: The full path to the reference CSV file.  
 - `path\_to\_output\_csv`: The full path where you want the cleaned CSV file to be saved.**  
  
5. Check the Results: Once you run the script, the terminal or command prompt should process it without any errors. After completion, you can navigate to the specified output location to find the cleaned CSV file.

# Troubleshooting

If you run into any issues while using the script, here are some common problems and their solutions:  
- Command not found: If you see an error like "python is not recognized as an internal or external command", it might mean that Python isn't in your system's PATH. Try using `python3` in place of `python`.  
- Permission Denied: On Mac, if you get a permission error, try prefixing your command with `sudo`. You'll be prompted to enter your password.  
- Library not found: Ensure you've installed the required libraries (like Pandas) as specified in the prerequisites section.