Financier_8825

This Python script is designed to analyze a CSV file of financial transactions. It calculates the total amount spent, determines the date range of the data, and computes the average daily spending, while intelligently excluding specific types of transactions.

Features

- **Transaction Analysis:** Calculates the total amount spent from a CSV file.
- **Exclusion Logic:** Automatically excludes specific transactions, such as transfers to investment accounts and online transfers, to provide a more accurate picture of direct spending.
- **Date Range Calculation:** Identifies the earliest and latest transaction dates in the dataset.
- **Average Daily Spending:** Computes the average amount spent per day over the entire period.
- **User-Friendly Interface:** Prompts the user to enter the name of the CSV file and prints a clear summary of the results.

How to Use

1. **Save the Script:** Save the provided Python code as a file named Financier_8825.py.
2. **Prepare the Data:** Ensure your financial transaction data is in a CSV file in the same directory as the script. The script assumes the CSV has the following structure:
    - **Column 1 (Index 0):** Date of the transaction (MM/DD/YYYY format).
    - **Column 2 (Index 1):** Transaction amount (negative for debits/spending).
    - **Column 5 (Index 4):** A description of the transaction (used for filtering).
3. **Run the Script:** Open your terminal or command prompt, navigate to the directory where you saved the files, and run the script using the following command:
   python Financier_8825.py

4. **Enter File Name:** The script will prompt you to "Enter the name of the CSV file:". Type the name of your CSV file (e.g., Checking1.csv) and press Enter.

Example Output

If you run the script on a file named Checking1.csv, the output will look something like

this:

Enter the name of the CSV file: Checking1.csv
Earliest Date: 05/03/2025
Latest Date: 08/08/2025
Total Spent: $1500.25
Days Between: 97
Average Spent Per Day: $15.47

Note: The dates and totals in the example output are for illustrative purposes and will vary based on your data.

Customization

The script's logic can be easily modified to suit your needs:

- **Excluded Terms:** To change which transactions are filtered out, edit the ExcludedTerms list in the TotalSpent function.
- **Date Format:** If your CSV uses a different date format, update the DateFormat variable in the DaysBetweenDates and ExtractDateRange functions.
- **Column Indices:** If the columns in your CSV are different, adjust the index numbers (e.g., Row[0], Row[1]) to match your data.