# python-challenge

Repo to submit Python Homework

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**PyBank**

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\* In this challenge, you are tasked with creating a Python script for analyzing the financial records of your company. You will give a set of financial data called budget\_data.csv. The dataset is composed of two columns: Date and Profit/Losses. (Thankfully, your company has rather lax standards for accounting so the records are simple.)

\* Your task is to create a Python script that analyzes the records to calculate each of the following:

o The total number of months included in the dataset

o The net total amount of "Profit/Losses" over the entire period

o The average of the changes in "Profit/Losses" over the entire period

o The greatest increase in profits (date and amount) over the entire period

o The greatest decrease in losses (date and amount) over the entire period

\* As an example, your analysis should look similar to the one below:

\* Financial Analysis

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\* Total Months: 86

\* Total: $38382578

\* Average Change: $-2315.12

\* Greatest Increase in Profits: Feb-2012 ($1926159)

Greatest Decrease in Profits: Sep-2013 ($-2196167)

\* In addition, your final script should both print the analysis to the terminal and export a text file with the results.

**PyPoll**

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\* In this challenge, you are tasked with helping a small, rural town modernize its vote-counting process. (Up until now, Uncle Cleetus had been trustfully tallying them one-by-one, but unfortunately, his concentration isn't what it used to be.)

\* You will be give a set of poll data called election\_data.csv. The dataset is composed of three columns: Voter ID, County, and Candidate. Your task is to create a Python script that analyzes the votes and calculates each of the following:

o The total number of votes cast

o A complete list of candidates who received votes

o The percentage of votes each candidate won

o The total number of votes each candidate won

o The winner of the election based on popular vote.

\* As an example, your analysis should look similar to the one below:

\* Election Results

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\* Total Votes: 3521001

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\* Khan: 63.000% (2218231)

\* Correy: 20.000% (704200)

\* Li: 14.000% (492940)

\* O'Tooley: 3.000% (105630)

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\* Winner: Khan

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