

Senior Finance BI - Case Exercise

Instruction

This case is confidential and must not be disclosed to any party without previous consent from the Finance team at Wildlife Studios.

All numbers in this exercise were made up and do not reflect any metrics related to the company's actual performance.

Please solve these tasks in python and send back a notebook with all code, the unified table in a CSV file, and the report/dashboard (preferably made in DataStudio) in a zip file to suzana.claudino@wildlifestudios.com with the main insights that you discover while analyzing the data.

Good luck!

Context

We are building a Data Warehouse and we need to load information from the accounting team and build a report with the company results. Each month the General Ledger report (GL MMYYY.csv) is extracted from our BPO and we need to load this data into our DW.

Notes:

- The currency of the original report is BRL, but all reports in the company are reported in USD, use the file mcur.csv to get the exchange rate.
- Each type of account uses a different exchange rate. Balance Sheet's accounts should use the exchange rate of the end of the month and P&L's accounts should use the average exchange rate of the month. To know the category of each account you can use the file DIM_Account.csv
- The balance of each entry is calculated by: $Balance = Credit - Debit$

Your task is to extract and transform the data from GL files, create a unified table and create a P&L report/dashboard about the company performance and explain the main variations Month over Month. You can use the account attributes "MFR" and "Managerial" to create the report.

The unified table should present the following fields:

Field	Example
Account	51216021
Account description	EVENTOS
Cost center	1.0.0.00
Counterpart account	11112015
Entry description	DEV. PGTO A MAIOR FT 000283683 RUBENS

	SERGIO SALFER #285189
External reference	1100000000000000
Internal reference	1
Date	29/01/2021
Balance	<i>Balance = Credit - Debit</i>
Credit	23,95209581
Debit	0
Currency	'BRL'