Account Tool

Analysis of account movements from multiple banks

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Current Problems with the Multibanking
Analysis of account movements from multiple banks

- Companies usually have several bank accounts. The bank statements for companies usually cannot be effectively combined with an online multibanking service in order to be able to evaluate all account movements over complete history on one place.

- The clear name of the counterpart account is often not filled in or not traceable in the account transactions. Subsequent identification of the name of the partner (e.g. due to addition of missing invoices) is then problematic.

- Even professional accounting programs often cannot automatically identify the missing free text name of the contra account.

- The account statements in csv. Format are available for download only few years back.

Concept

A simple program with the following functions is to be created

Import and addition of different bank statements into standardized database

Correction of different column names

removal of duplicates

creation of a plain text identifier for each contra account, which combines all unique text references from the past related to the contra account

export of a final document that includes all account transactions and identifies all contra accounts with the complete plain text identifier.

Solution in Python and Pandas

1. Import of all csv. Account transactions in pandas located in the import folder.

2. Correction and standardization of data (different banks, different), removal of duplicates.

3. Unification of data from all bank accounts in a final dataframe,

4. creation of plain text labels for each contra account.
    - Concatenation of all names and notes in whole bank history per contra account.
    - Removal of duplicates and numbers.
    - creation of unique plaintext keys

5. addition of plain text labels to the final dataframe and export to .xlsx

Example

Import Bank 1

Export result

Import Bank 2

Multiple Files Import