

AML Project Explanation

Monitor the transaction data from Berka dataset to determine which account should the bank investigate.

The Berka dataset is a collection of financial information from a Czech bank. The dataset deals with over 5,300 bank clients with approximately 1million transactions. Additionally, the bank represented in the dataset has extended close to 700 loans and issued nearly 900 credit cards, all of which are represented in the data.

Translated the federal laws into the following roles:

2a. transactions have amounts over \$10,000 and in multiples of \$100

3a. transactions have amounts between \$9000 and \$10000

2b. accounts have at least 2 transactions with amounts over \$10,000 and in multiples of \$100

3b. account shave at least 3 transactions with an amount between 9,000 and 10,000

2c. Of the transactions identified in 2a, which ones had an account identified in 2b?

3c. Of the transactions identified in 3a, which ones had an account identified in 3b?

2d. Which are the transactions that have BOTH

- amounts over \$10,000 and in multiplies of \$100 from May 1998 AND

- a user id associated with at least two transactions of that type?

3d. Which are the transactions that have BOTH

- amounts between \$9,000 and \$10,000 from May 1998 AND

- a user id associated with at least three transactions of that type?

2e. For the users which have at least 2 transactions with amounts over \$10,000 and in multiples of \$100 in any one calendar month, which are the transactions to flag?

3e. For the users which have at least 3 transactions with an amount between 9,000 and 10,000 in any one calendar month, which are the transactions to flag?