

You are working in a data science team in the fraud department of Groote Nationale Investeer Bank (GNI Bank). You got tipped off by FIOD that there is something fishy going on in your banking system. Management provided you with a recent excerpt of transaction logs, and it is your task to find out what is going on.

You have the following tasks:

- a Describe the dataset you received, in words and with supporting visualizations.
- b Check the dataset for consistency, and document any inconsistency you find, as well as reasons for these inconsistencies.
- c Identify all fraudulent activity within the dataset, and provide supporting evidence and visualizations.
- d Document your method and code used during the investigation.

The data sets that should be used:

- **transaction\_data.db:** An SQLite3 database holding transaction data
- **read\_db.py:** A small script printing out the dataset in CSV form

Produce a four-pager with your findings for the GNI bank before 21-Feb-2020 18:00 local time. Upload your draft report and all code you produced as a ZIP file to Brightspace. You will receive feedback on your work ASAP. Use this feedback to improve your work for the final version due on 24-April-2020 18:00.