WHERE DID MY MONEY GO?

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INTRO

Many people in Ukraine use **PrivatBank.** According to the bank itself, 51.6% of Ukrainians over 16 have a personal account there, and 58.4% are legal entities.
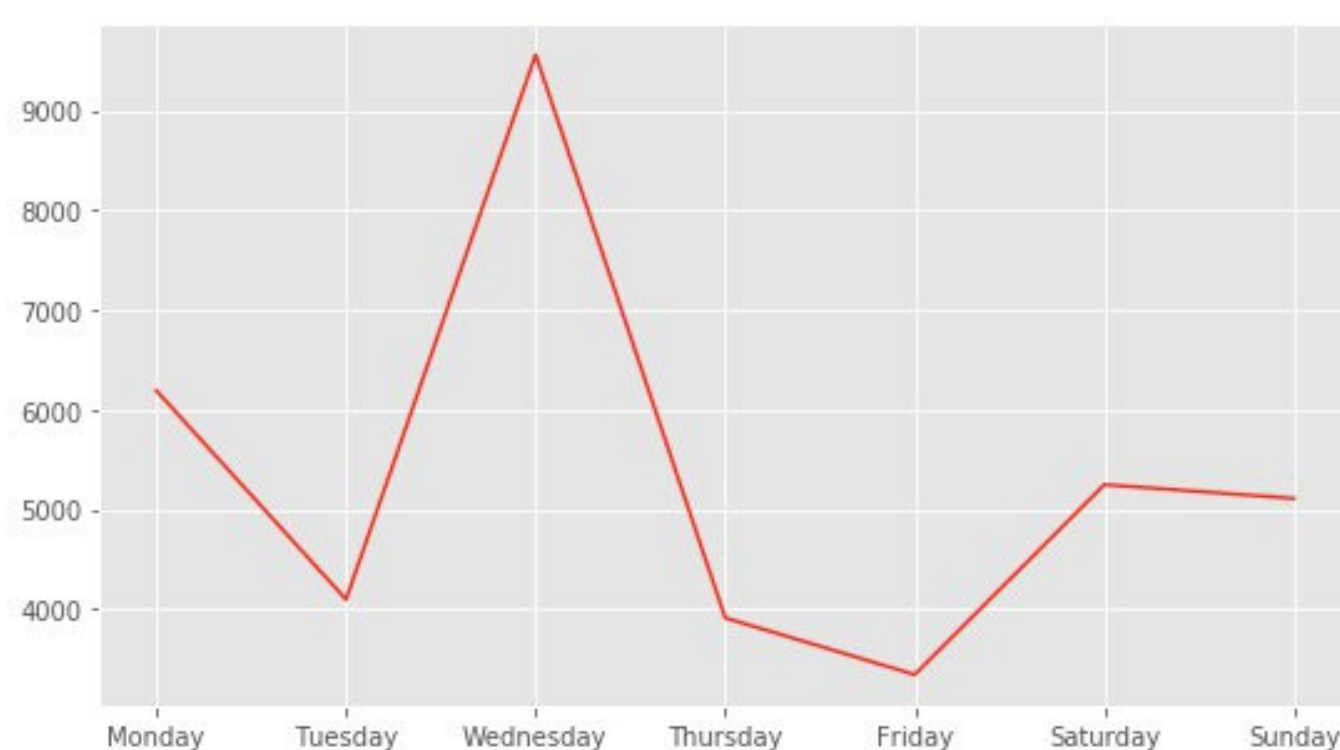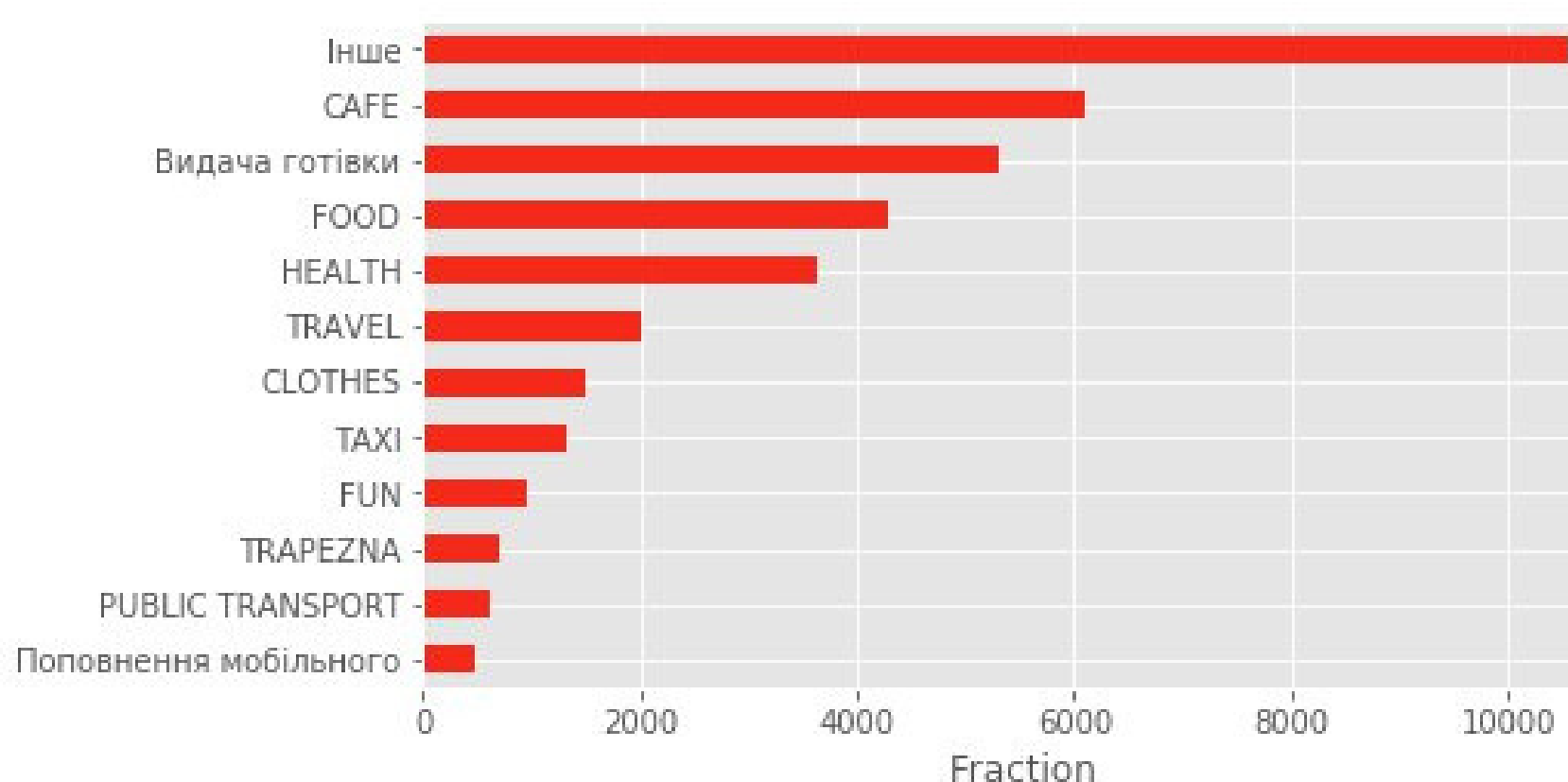
It means every second person uses PrivatBank.

But when it comes to tracking and understanding the expenses on your account, Privatbank doesn't offer a great solution.
It only suggests you to take a look at the categories, and lots of transactions remain unclassified.

This project aims to provide anyone with PrivatBank account with the detailed information of "where did the money go?"
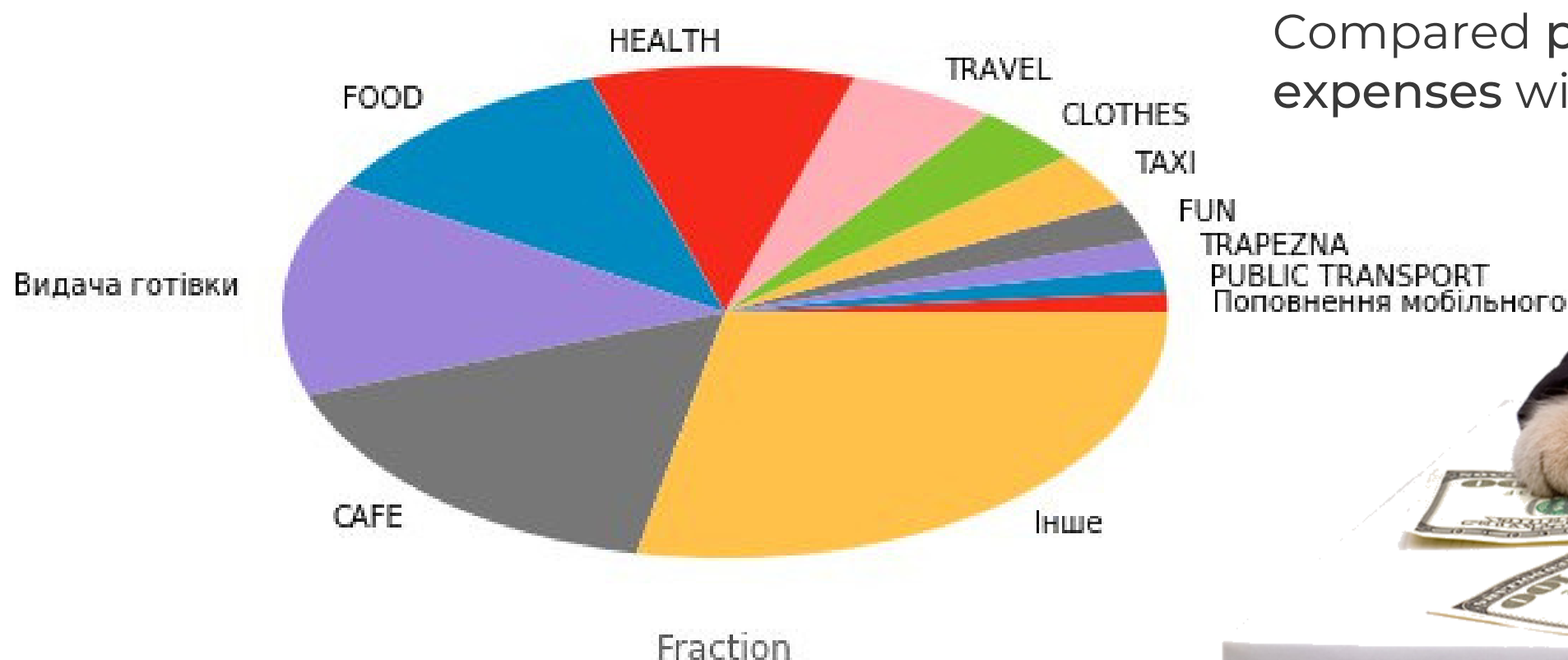
METHODOLOGY

The methodology implies the combined use of generating ideas on what could be interesting for user based on my personal preferences and exploring using **pandas, numpy and mathplotlib** to get insights from the data and build the conclusions on how good is the solution offered initially by PrivatBank.
Use scikit-learn to predict expences for next month.

EXPERIMENT SETUP

- predict missing categories by looking at the transaction description

- find out the most costly category

- find out the place with the biggest amount of transactions

- find out the weekday on which most money is spent

- predict spendings for the last month

RESULTS & CONCLUSIONS

Reduced undefined categories from 60 to 14, or from 24% to 5,6%

Reached the goals set at the beginning of the experiment.

Proved that **there is a lot of insights hidden inside the data,** so PrivatBank could have been doing their work better.

Compared **predicted expenses** with real ones.