

Internship Report

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1 Summary

During my internship experience with Ubroker, I have developed my own data mining project from scratch, developing the necessary skills and knowledge. The main objective of the project was to retrieve data about employees, company devices and their usage, and to create reports that would be useful for the company.

The project was developed in Python, language that I learned thanks to the constant support of my colleagues.

The key points of the project could be summarized as follows: data retrieval from Microsoft Azure, through the use of Microsoft Graph APIs, data cleaning and manipulation, data storage in an internal database, and the creation of reports.

Although I found the project to be a challenging experience, I found it to be valuable in developing my skills in Python programming, data manipulation and database management.

2 Company

Ubroker srl was founded in 2015 with the goal of providing clean energy to their clients, without neglecting the need of a competitive price.

More information can be found in their [website](#).

2.1 Mission

The company's mission is to improve the life quality of its clients by granting them a simple management system that allows them to control their energy consumption and a cost saving service, providing competitive prices below the market average. Moreover, Ubroker is constantly striving to maintain the social responsibility by choosing providers who follow policies that safeguard the environment and cultures involved in the energy distribution process.

2.2 Market strategy

Ubroker is an electricity and gas provider, that collocate itself at the last link of the energy distribution chain. Their working area is indeed the sales to the final client.

The company sales target is the domestic market, the majority of their customers are private citizens. The most recent data report 85,000 active clients, who subscribed 52,000 electricity contracts and 32,000 gas contracts. The peculiarity of Ubroker's market strategy is the system called "scelgo zero". Each client can join the zero project through their [platform](#) and start to reduce to zero their electricity and gas bill.