PROJECT REPORT

Nasdaq Financial Data Analysis

A data analysis project using Python and the Nasdaq Data Link API.

The project focuses on the **Accrued Expenses Turnover** metric and explores how it changes across companies and countries between 2010 and 2015.

What I did

- Retrieved financial data from the Nasdaq Data Link API
- Worked with JSON responses
- Converted the data into a Pandas DataFrame
- Selected and cleaned the relevant columns
- Filtered the dataset for Accrued Expenses Turnover
- Analyzed descriptive statistics
- Compared company trends over time
- Compared average values across countries
- Created visualizations with Matplotlib

Main findings

The Accrued Expenses Turnover values showed significant variation between companies.

The dataset had an average value of approximately **26.91**, while the median was approximately **13.75**, suggesting that some relatively high values influenced the average.

For the 2010-2015 period, the Bahamas had the highest average value in the analyzed dataset, followed by the United States and the United Kingdom.

Technologies

- Python
- Pandas
- Matplotlib
- Requests
- Nasdaq Data Link API

- Google Colab

Run the notebook

The analysis is available in `nasdaq_financial_data_analysis.ipynb` and can be opened directly in Google Colab.

To run it, a Nasdaq Data Link API key is required. In Google Colab, add the API key under **Secrets** using the name `NASDAQ_API_KEY`.

The API key is not stored in this repository.