

# Project 4 | SQL + Data Analysis

## Introduction

The goal of this project is to apply your SQL, Python and Visualization skills that you have learned so far to real-world data both to practice and to add to your portfolio.

## Tasks

For this project, you will create a SQL database to store the data, you will connect to this SQL database with python to query the data you want, you will build a GUI to visualize your findings.

## Technical Requirements

The technical requirements for this project are as follows:

- You must propose a SQL database schema according to the data.
- You must create the database and fill it with your data.
- You must list the KPIs you want to explore.
- You must obtain data from the database and clean it using Python using Python.
- You must visualize your findings for the KPIs using either Tableau/PowerBi or Streamlit.
- You must prepare a presentation (**7 minutes**). This presentation can include GUI and slides.
- Your code should be saved in a Github Repository and Tableau Public when applies.
- You should include a README.md file that describes the steps you took and your thought process for obtaining data from the API and web page.

## Deliverables

- Code
- Presentation

## Deadline

**Approval of the database** by 5th of May 2023  
**Presentation** Friday 15th of May 2023 around 2pm.

## Database

Please find the dataset [here](#).