**USER DOCUMENTATION**

**BACKEND:**

In order to make proper data analysis, we ought to use Python and all its necessary packages. The reason for that is because the best data analysis methods could be implied with this programming languages, due to its efficiency and user-friendliness. Also, if needed, it can be implemented into Power BI’s interface aswell for extra scripts.

<https://www.python.org/downloads/> - install 3.11 version of python

installation tutorial: <https://drive.google.com/file/d/1g818ybVrmrploAtpEn_CizspOSaNDaYz/view?pli=1>

Neccessary installations for backend-data:

* numpy
* pandas
* powerbiclient OR mysql-connection-python

All packages has to be downloaded to the same folder and environment aswell

To define the database connection parameters in the code, certain paramateres have to be replaced with the university’s database details

host = "localhost" (Replace with your database server's hostname or IP address)

user = "your\_username" (Replace with your MySQL username)

password = "your\_password" (Replace with your MySQL password)

database = "YourDatabaseName" (Replace with the name of your database)