

Users' needs for a digital smoking cessation application and how to address them: A mixed-methods study

Figures of Code Frequencies

Author: Nele Albers **Date:** June 2022

This file is meant to guide you through the steps needed to reproduce our Figure 2 and Figure S9 of the paper that depict the code frequencies.

Steps to Reproduce Figures

The reproduction of our code is based on Docker and Jupyter Notebook. Take the following steps:

1. Make sure that you have Docker installed. You can check whether you do by running `docker -v`.
2. Now choose from the following two options:
 - In the directory of this README-file, build the Docker image via `docker build . -t gbna4/user_needs_paper_code_frequencies`, or
 - In the directory of this README-file, pull the Docker image from Dockerhub via `docker pull gbna4/user_needs_paper_code_frequencies`.
3. Run the Docker container via `docker run -p 8888:8888 -e JUPYTER_ENABLE_LAB=yes -v <this_working_directory>:/home/jovyan/work gbna4/user_needs_paper_code_frequencies`, where `<this_working_directory>` is the path to the directory that this README-file is in.
4. Go to one of the links presented in the terminal upon running the Docker container to access Jupyter Notebook.
5. Open the "work"-folder in Jupyter Notebook.
6. Open the "code_frequencies.ipynb"-workbook in the "work"-folder. This workbook will allow you to reproduce Figure 2 and Figure S9 from the paper.

Explanation of Files

This directory contains the following files:

- Data: pre-processed data required for this analysis,
- Figures: contains Figure 2 and Figure S9 of the paper as created by us,
- code_frequencies.ipynb: workbook for reproducing Figure 2 and Figure S9 of the paper,
- Dockerfile: Dockerfile for building the Docker image yourself, and
- README.md/README.pdf: this README-file.