

Attitudes Toward a Virtual Smoking Cessation Coach: Relationship and Willingness to Continue

Overview of Steps to Reproduce Analyses

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This is the overall README-file to give you an overview of reproducing our analyses from the paper "Attitudes Toward a Virtual Smoking Cessation Coach: Relationship and Willingness to Continue."

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Requirements

First, please download our dataset from this repository:

<https://doi.org/10.4121/19934783.v1>. Place the folder

"Dataset_Acceptance_Virtual_Coach" into the folder this README-file is in.

Types of Analyses

Below we describe how you can reproduce our results for the different types of analyses.

Data Preprocessing

Run the file "preprocess_data.py" to:

- re-create the file "preprocessed_data.csv" needed for the analyses.

Participant Characteristics

Navigate to the folder "Participant_Characteristics" and follow the instructions in the corresponding README-file to reproduce our results regarding:

- the participant characteristics reported in the "Participants"-section.

Qualitative Analysis

Navigate to the folder "Qualitative_Analysis" to:

- see the codes assigned by the two coders,
- reproduce our average Cohen's Kappa values from the "Analysis strategies"-section,
- see the final coding schemes,
- see the final coding for the two attitude questions, and
- reproduce the theme frequencies from the "Results"-section.

Note that the participant numbers in the paper (e.g., P1) refer to the rows in the files with the final assigned codes.

Mean Attitude Ratings

Navigate to the folder "Mean_Ratings" and follow the instructions in the corresponding README-file to reproduce our results regarding:

- the mean attitude ratings reported in the "Results"-section.

Bayesian Analysis of Correlations

Navigate to the folder "Correlations" and follow the instructions in the corresponding README-file to reproduce our results regarding:

- the correlations between user variables and attitude ratings reported in the "Results"-section.

Explanation of Files and Folders

This directory contains the following files and folders:

- Correlations: To reproduce our Bayesian analysis of correlations between user variables and attitude ratings,
- Mean_Ratings: To reproduce our mean attitude ratings from the "Results"-section,
- Participant_Characteristics: To reproduce the reported participant characteristics from the "Participants"-section,
- Qualitative_Analysis: Information on the qualitative analysis (e.g., final coding schemes),
- preprocess_data.py: To preprocess the gathered data for use in the analyses, and
- README.md/README.pdf: This README-file.