

# Final Project Proposal

## Reproducible script for cleaning and analysis

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### Background

This project aims to create a comprehensive pipeline for validating the Sleep Acceptance Scale (SAS), an instrument designed to evaluate people's acceptance of sleep problems. The data for this project come from adults between 18 and 59 living in Brazil who were surveyed online using REDCap.

### Approach

The end product will consist of a `.qmd` file and a rendered `.html` file. These files will present every process step, from data cleaning to the final analysis. All analysis scripts, raw and transformed data, and external files will be organized in folders within the project directory. Our ultimate goal is to upload this project to an open platform such as [osf.io](https://osf.io) so other researchers can easily access and reproduce it.

### Motivation

This project is motivated by a collective effort to promote transparency in the field of psychology. Although we did not pre register the development of the SAS, we are sharing the analysis code and data to allow the scientific community to scrutinize the final stages of the process. Furthermore, the “`.html`” file that contains the protocol used in the analysis should make it easier for readers without R programming knowledge to understand.

## Challenges

This project involves multiple analyses that use different packages and create various objects in the work environment. The main challenge is creating a report file that can be seamlessly executed and easily understandable by machines and humans.