esmprep - An R package to prepare data from Experience-Sampling methods for statistical analysis
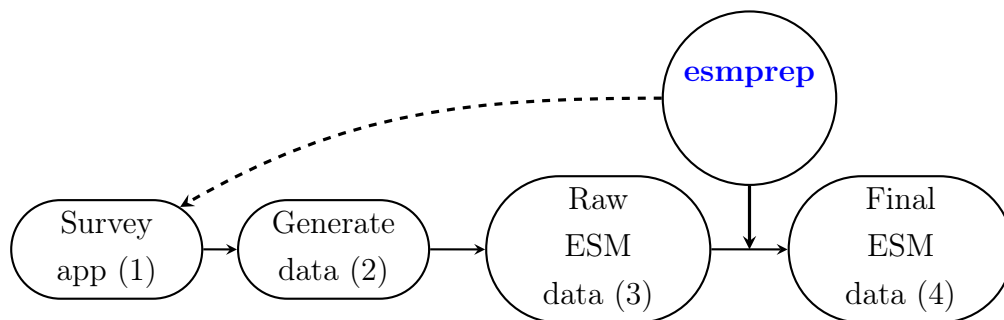# Quick Guide

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Summary

An ESM (**E**xperience **S**ampling **M**ethodology) project roughly contains 4 elements:

esmprep prepares raw ESM data for statistical analysis, i.e. it generates a single ESM dataset. Also it can help increasing the survey app quality, if required (dashed arrow).

1 Install and load 'esmprep'

After having installed R, open R with the IDE[1] of your choice, e.g. RStudio. With an R IDE open, first install the 2 packages lubridate and **esmprep** by entering into the console:

```
install.packages(c("lubridate","esmprep"))
```

This needs to be done only once, not every time!

From now on use the **esmprep** package just by entering at the beginning of each session:

```
library(esmprep)
```

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[1]IDE is short for integrated development environment.

For additional help and the most up to date version[2] of **esmprep** go to its GitHub page.

```
# In case you DON'T already have the package 'devtools' installed:
install.packages("devtools", dependencies=TRUE)
library(devtools)                  # Load the package devtools
install_github("mmiche/esmprep")   # Install esmprep via GitHub
```

2 Adapt 'esmprep' to YOUR project

ESM versions = 1 means that every day each participant answered the exact same questionnaire each time.
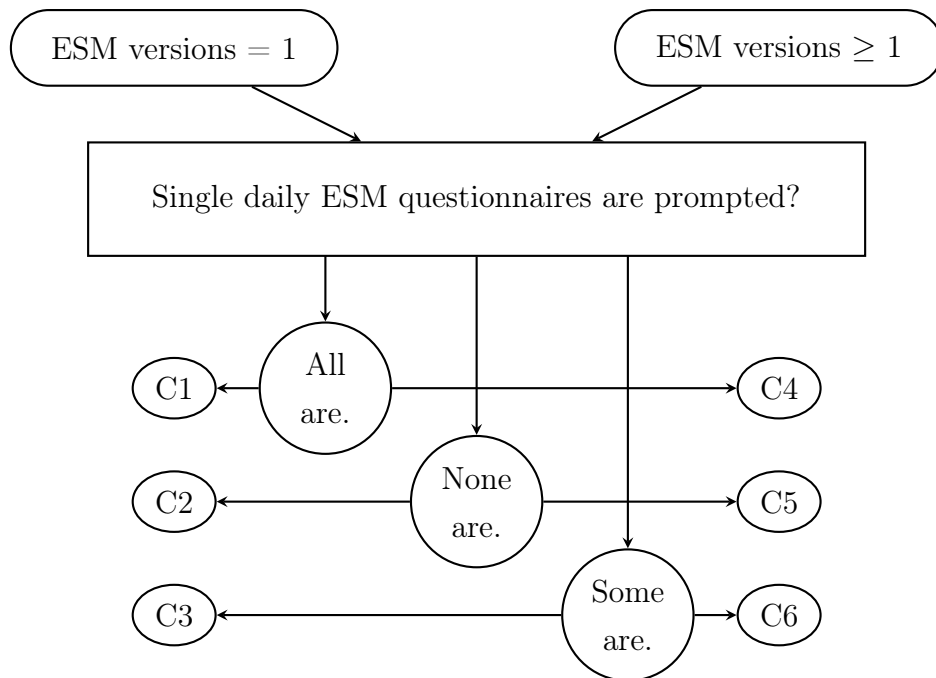

Figure 1: Combinations (C) of ESM variants that **esmprep** can be adapted to.

After having found the combination that fits to YOUR ESM project, select the corresponding R script from the folder `TemplateRscripts` on GitHub, e.g. for combination C1 select `esmprepScriptC1enT.R` (en = English, T = Template). Save the script with a right mouse click and then `save target as`. Choose the directory where you want to save the script. Open the script and delete or uncomment everything which stands above `# esmprep package`, i.e. the very first line of the script should be:

```
# esmprep package
```

In the script make a text search for `adaptToYOURproject` and then follow the instructions.

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[2]R policy recommend to update a package on CRAN no more than every 1–2 months.