The title

One or two sentences providing a **basic introduction** to the field, comprehensible to a scientist in any discipline.

Two to three sentences of **more detailed background**, comprehensible to scientists in related disciplines.

One sentence clearly stating the **general problem** being addressed by this particular study.

One sentence summarizing the main result (with the words “**here we show**” or their equivalent).

Two or three sentences explaining what the **main result** reveals in direct comparison to what was thought to be the case previously, or how the main result adds to previous knowledge.

One or two sentences to put the results into a more **general context**.

Two or three sentences to provide a **broader perspective**, readily comprehensible to a scientist in any discipline.

# Seed for random number generation  
set.seed(42)  
knitr::opts\_chunk$set(cache.extra = knitr::rand\_seed)

# 1 Packages

#install.packages("needs")  
  
# suppress "summarize" info.   
# if this line is ommitted, each table using the summarize function will be accompanied with a warning from the console  
options(dplyr.summarise.inform = FALSE)  
  
library(needs)  
  
needs(tidyverse,  
 lubridate,  
 viridis,  
 grid,  
 gridExtra,  
 cowplot,  
 readxl,  
 ARTofR)

# 2 Methods

We report how we determined our sample size, all data exclusions (if any), all manipulations, and all measures in the study.

## 2.1 Participants

Table 2.1:

Demographic Information and Teaching Experience

| Group | *N* | Gender  female | *M* (*SD*)  Age | Age  Rage | *M* (*SD*) Exp.  in years | Exp. Range  in years |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Expert | 7 | 71% | 45 (12.05) | 27-59 | 18 (14) | 3-37 |  |  |
| Novice | 18 | 61% | 23 (1.60) | 20-26 | 0 (0) | 0 |  |  |

## 2.2 Material

## 2.3 Procedure

## 2.4 Data analysis

We used R (Version 4.1.2; R Core Team 2020) and the R-packages *ARTofR* (Version 0.3.3; Zhang 2021), *cowplot* (Version 1.1.1; Wilke 2020), *dplyr* (Version 1.0.8; Wickham et al. 2020), *forcats* (Version 0.5.1; Wickham 2020a), *ggplot2* (Version 3.3.5; Wickham 2016), *gridExtra* (Version 2.3; Auguie 2017), *lubridate* (Version 1.8.0; Grolemund and Wickham 2011), *needs* (Version 0.0.3; Katz 2016), *papaja* (Version 0.1.0.9997; Aust and Barth 2020), *purrr* (Version 0.3.4; Henry and Wickham 2020), *readr* (Version 2.1.1; Wickham and Hester 2020), *readxl* (Version 1.3.1; Wickham and Bryan 2019), *rlang* (Version 1.0.1; Henry and Wickham 2021), *stringr* (Version 1.4.0; Wickham 2019), *tibble* (Version 3.1.6; Müller and Wickham 2020), *tidyr* (Version 1.2.0; Wickham 2020b), *tidyverse* (Version 1.3.1; Wickham et al. 2019), *tinylabels* (Version 0.2.3; Barth 2022), *viridis* (Version 0.6.2; Garnier 2018a, 2018b), and *viridisLite* (Version 0.4.0; Garnier 2018b) for all our analyses.

# 3 Results

# 4 Discussion

# 5 References

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