Through the eyes of the teacher

This document is a supplement to the paper and shows first graphs findings from the pilot study.

# 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 | Male | M Age | Min Age | Max Age | SD Age | M Exp. | Min Exp. | Max Exp. | SD Exp. |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Expert | 7 | 2.00 | 45.14 | 27.00 | 59.00 | 12.05 | 18.14 | 3.00 | 37.00 | 14.08 |
| Novice | 19 | 8.00 | 23.32 | 20.00 | 27.00 | 1.80 | 0.00 | 0.00 | 0.00 | 0.00 |

## 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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