Data Pre-processing

Script written by Emiko Muraki and adapted by Veronica Diveica

**Participants** The participants were recruited via the online platform Prolific (www.prolific.co). Responders were restricted to those who had a 100% approval rate on Prolific and self-reported being fluent in English and having no language disorders. Participants completed the study in 20 minutes on average and were compensated with GBP £4. We collected data from a sample of 73 participants, with ages ranging from 18 to 65 (*M* = 33.32, *SD* = 10.94). Of the participants, 33 were female, 38 male, 1 non-binary and 1 unknown. On average, participants completed 15.95 years (*SD* = 2.51) of formal education.

**Data Cleaning** We collected a total of 19564 observations. We excluded data from 0 participants with below-chance accuracy. In addition, 4 words were excluded because less than 50% of participants provided correct responses. Finally, 251 of the experimental trials (2.57%) were identified as RT outliers and were excluded from the analyses. Thus, the analyses reported are based on 9531 experimental observations, out of which 8621 are correct trials.

**Session Info**

xfun::session\_info()

## R version 4.2.0 (2022-04-22)  
## Platform: x86\_64-apple-darwin17.0 (64-bit)  
## Running under: macOS Mojave 10.14.6  
##   
## Locale: en\_GB.UTF-8 / en\_GB.UTF-8 / en\_GB.UTF-8 / C / en\_GB.UTF-8 / en\_GB.UTF-8  
##   
## Package version:  
## askpass\_1.1 assertthat\_0.2.1 backports\_1.4.1   
## base64enc\_0.1.3 bit\_4.0.4 bit64\_4.0.5   
## blob\_1.2.3 broom\_0.8.0 bslib\_0.3.1   
## callr\_3.7.0 cellranger\_1.1.0 cli\_3.3.0   
## clipr\_0.8.0 colorspace\_2.0-3 compiler\_4.2.0   
## cpp11\_0.4.2 crayon\_1.5.1 curl\_4.3.2   
## data.table\_1.14.2 DBI\_1.1.2 dbplyr\_2.2.0   
## digest\_0.6.29 dplyr\_1.0.9 dtplyr\_1.2.1   
## ellipsis\_0.3.2 evaluate\_0.15 fansi\_1.0.3   
## farver\_2.1.0 fastmap\_1.1.0 forcats\_0.5.1   
## fs\_1.5.2 gargle\_1.2.0 generics\_0.1.2   
## ggplot2\_3.3.6 glue\_1.6.2 googledrive\_2.0.0   
## googlesheets4\_1.0.0 graphics\_4.2.0 grDevices\_4.2.0   
## grid\_4.2.0 gtable\_0.3.0 haven\_2.5.0   
## highr\_0.9 hms\_1.1.1 htmltools\_0.5.2   
## httr\_1.4.3 ids\_1.0.1 isoband\_0.2.5   
## jquerylib\_0.1.4 jsonlite\_1.8.0 knitr\_1.39   
## labeling\_0.4.2 lattice\_0.20.45 lifecycle\_1.0.1   
## lubridate\_1.8.0 magrittr\_2.0.3 MASS\_7.3.56   
## Matrix\_1.4.1 methods\_4.2.0 mgcv\_1.8.40   
## mime\_0.12 modelr\_0.1.8 munsell\_0.5.0   
## nlme\_3.1.157 openssl\_2.0.2 parallel\_4.2.0   
## pillar\_1.7.0 pkgconfig\_2.0.3 plyr\_1.8.7   
## prettyunits\_1.1.1 processx\_3.5.3 progress\_1.2.2   
## ps\_1.7.0 purrr\_0.3.4 R6\_2.5.1   
## rappdirs\_0.3.3 RColorBrewer\_1.1.3 Rcpp\_1.0.8.3   
## readr\_2.1.2 readxl\_1.4.0 rematch\_1.0.1   
## rematch2\_2.1.2 reprex\_2.0.1 rlang\_1.0.2   
## rmarkdown\_2.14 rstudioapi\_0.13 rvest\_1.0.2   
## sass\_0.4.1 scales\_1.2.0 selectr\_0.4.2   
## splines\_4.2.0 stats\_4.2.0 stringi\_1.7.6   
## stringr\_1.4.0 sys\_3.4 tibble\_3.1.7   
## tidyr\_1.2.0 tidyselect\_1.1.2 tidyverse\_1.3.1   
## tinytex\_0.39 tools\_4.2.0 tzdb\_0.3.0   
## utf8\_1.2.2 utils\_4.2.0 uuid\_1.1.0   
## vctrs\_0.4.1 viridisLite\_0.4.0 vroom\_1.5.7   
## withr\_2.5.0 xfun\_0.31 xml2\_1.3.3   
## yaml\_2.3.5