```
library(tidyverse)
```

```
## -- Attaching packages --------------------------------------- tidyverse 1.3.2 --
## v ggplot2 3.3.6      v purrr   0.3.5
## v tibble  3.1.8      v dplyr   1.0.10
## v tidyr   1.2.1      v stringr 1.4.1
## v readr   2.1.3      v forcats 0.5.2
## -- Conflicts ------------------------------------------ tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
```

```
library(here)
```

```
## here() starts at /Users/caoanjie/Desktop/projects/CCRR_writeups
```

```
library(papaja)
```

```
## Loading required package: tinylabels
```

```
library(kableExtra)
```

```
## Warning in !is.null(rmarkdown::metadata$output) && rmarkdown::metadata$output
## %in% : 'length(x) = 2 > 1' in coercion to 'logical(1)'

##
## Attaching package: 'kableExtra'
##
## The following object is masked from 'package:dplyr':
##
##     group_rows
```

```
library(glue)

d1 <- read_csv(here("data/03_processed_data/exp1/tidy_main.csv"))
```

```
## New names:
## Rows: 37595 Columns: 8
## -- Column specification
## -------------------------------------------------------- Delimiter: "," chr
## (6): subject, culture, task_name, task_info, trial_info, resp_type dbl (2):
## ...1, resp
## i Use `spec()` to retrieve the full column specification for this data. i
## Specify the column types or set `show_col_types = FALSE` to quiet this message.
## * `` -> `...1`
```

```
d2 <- read_csv(here("data/03_processed_data/exp2/tidy_main.csv"))
```

```
## Warning: One or more parsing issues, call `problems()` on your data frame for details,
## e.g.:
##   dat <- vroom(...)
##   problems(dat)
```

```
## Rows: 40257 Columns: 7
## -- Column specification --------------------------------------------------------
## Delimiter: ","
## chr (7): subject, culture, task_name, task_info, trial_info, resp_type, resp
##
## i Use `spec()` to retrieve the full column specification for this data.
## i Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

get the sample size

```
d1_order <- c("RMTS", "FD", "EBB", "HZ", "SI", "CP", "CA", "RV")

d1_df_summary <- d1 %>%
  group_by(task_name,culture) %>%
  distinct(subject) %>%
  count() %>%
  ungroup() %>%
  pivot_wider(names_from = culture, values_from = n) %>%
  mutate(
    str = glue("CN:{CN}; US:{US}")
  ) %>%
  slice(match(d1_order, task_name))


d2_order <- c("RMTS", "FD", "CD", "SSI", "CA", "TD", "SeI", "RV")

d2_df_summary <- d2 %>%
  group_by(task_name,culture) %>%
  distinct(subject) %>%
  count() %>%
  ungroup() %>%
  pivot_wider(names_from = culture, values_from = n) %>%
  mutate(
    str = glue("CN:{CN}; US:{US}")
  ) %>%
  slice(match(d2_order, task_name))


sample_sizes <- c(d1_df_summary$str, d2_df_summary$str)
```

```
collapse_rows_dt <- data.frame(Experiment = c(rep("1", 8), rep("2", 8)),
                               Task = c("Ambiguous Relational Match-To-Sample (RMTS)",
                                        "Picture Free Description",
                                        "Ebbinghaus Illusion",
                                        "Horizon Collage",
                                        "Symbolic Self-Inflation (Family)",
                                        "Uniqueness Preference",
                                        "Child Causal Attribution",
                                        "Raven's Progressive Matrices",
                                        "Ambiguous Relational Match-To-Sample (RMTS)",
                                        "Picture Free Description",
```

```
                                    "Change Detection",
                                    "Symbolic Self-Inflation (Friends)",
                                    "Adult Causal Attribution",
                                    "Taxonomic-Thematic Similariy",
                                    "Semantic Intuition",
                                    "Raven's Progressive Matrices"),
                           `Relevant Citation` = c(
                             "Carstensen et al. (2019)",
                             "Imada, Carlson, & Ktakura (2013)",
                             "Imada, Carlson, & Itakura (2013)",
                             "Senzaki, Masuda, & Nand (2014)",
                             "Kitayama et al. (2009)",
                             "Kim & Markus (1999)",
                             "Seiver, Gopnik, & Goodman (2013)",
                             "Su (2020)",
                             "Carstensen et al. (2019)",
                             "Imada, Carlson, & Itakura (2013)",
                             "Mausda & Nisbett (2007)",
                             "Kitayama et al. (2009)",
                             "Morris & Peng (1994)",
                             "Ji, Zhang, & Nisbett (2004)",
                             "Li, Liu, Chalmers, & Snedeker (2018)",
                             "Su (2020)"
                           ),
                           `Task Description` = c(
                             "Infer whether an object or relation is causally relevant",
                             "Describe pictures from memory after a brief study period",
                             "Judge the size of circles in a context designed to bias size judgments",
                             "Make an image by dragging and dropping stickers onto a display",
                             "Draw self and family members as circles",
                             "Choose a sticker from five stickers, four of which are the same color",
                             "Watch short vignettes and explain the decisions of the characters
                              ",
                             "Use analogic reasoning to complete visually-presented patterns",
                             "Infer whether an object or relation is causally relevant",
                             "Describe pictures from memory after a brief study period",
                             "Find differences in the foreground or background of two images",
                             "Draw a sociogram with self and friends as nodes, relationships as edges",
                             "Read a crime story and explain the criminal's motivations",
                             "Match items based on taxonomic or thematic similarity (e.g., cow: chicken

                             "Decide whether a story refers to a named character (whose actions are mis
                             "Use analogical reasoning to complete visually-presented patterns"
                           ),
                           "Sample Size" = sample_sizes
                           )

kable(collapse_rows_dt, "latex", align = "l",
      row.names = FALSE,
       col.names = c("Experiment",
                     "Task",
                     "Relevant Citation",
                     "Task Description",
```

```
                    "Task Sample Size")) %>%
kable_styling(full_width = T,
              font_size = 6.5,
              bootstrap_options = c("condensed")) %>%
collapse_rows(columns = 1:2,
              row_group_label_fonts = list(list(bold = T), list(bold = T)))
```

Experiment	Task	Relevant Citation	Task Description	Task Sample Size
1	Ambiguous Relational Match-To-Sample (RMTS)	Carstensen et al. (2019)	Infer whether an object or relation is causally relevant	CN:167; US:169
	Picture Free Description	Imada, Carlson, & Ktakura (2013)	Describe pictures from memory after a brief study period	CN:167; US:169
	Ebbinghaus Illusion	Imada, Carlson, & Itakura (2013)	Judge the size of circles in a context designed to bias size judgments	CN:167; US:169
	Horizon Collage	Senzaki, Masuda, & Nand (2014)	Make an image by dragging and dropping stickers onto a display	CN:167; US:169
	Symbolic Self-Inflation (Family)	Kitayama et al. (2009)	Draw self and family members as circles	CN:141; US:110
	Uniqueness Preference	Kim & Markus (1999)	Choose a sticker from five stickers, four of which are the same color	CN:167; US:169
	Child Causal Attribution	Seiver, Gopnik, & Goodman (2013)	Watch short vignettes and explain the decisions of the characters	CN:167; US:169
	Raven's Progressive Matrices	Su (2020)	Use analogic reasoning to complete visually-presented patterns	CN:167; US:169
2	Ambiguous Relational Match-To-Sample (RMTS)	Carstensen et al. (2019)	Infer whether an object or relation is causally relevant	CN:174; US:293
	Picture Free Description	Imada, Carlson, & Itakura (2013)	Describe pictures from memory after a brief study period	CN:132; US:284
	Change Detection	Mausda & Nisbett (2007)	Find differences in the foreground or background of two images	CN:160; US:253
	Symbolic Self-Inflation (Friends)	Kitayama et al. (2009)	Draw a sociogram with self and friends as nodes, relationships as edges	CN:158; US:252
	Adult Causal Attribution	Morris & Peng (1994)	Read a crime story and explain the criminal's motivations	CN:114; US:293
	Taxonomic-Thematic Similariy	Ji, Zhang, & Nisbett (2004)	Match items based on taxonomic or thematic similarity (e.g., cow: chicken / grass)	CN:178; US:295
	Semantic Intuition	Li, Liu, Chalmers, & Snedeker (2018)	Decide whether a story refers to a named character (whose actions are mischaracterized) or the person who performed the actions (but had a different name)	CN:181; US:298
	Raven's Progressive Matrices	Su (2020)	Use analogical reasoning to complete visually-presented patterns	CN:181; US:298