Distraction and Inhibition in ADHD - Code Book

\*\*\* All analyses are conducted on **log-transformed response times** \*\*\*

The csv file contains the following relevant variables:

**Practice** (practice/main) - Saves practice and test blocks. For analysis, we use only "main".

**distPresence** (absent/present) - Indicates whether or not the singleton distractor appeared in the search display.

**block** (0/1/2/3) - indicates block number (1-3 in each experimental session). 0 represents the practice block.

**session** (1/2) - the experimental session (first/second).

**RespRT** (ms) - response time.

**Response.corr** (0/1) - indicate whether the participants' response to the target was correct (1) or incorrect (0).

**Participant** – Subject number

**trials.thisN –** trial number from 0 to 143 (that is, trial # counter in each session)

In addition, we calculated the following relevant variables in the R-code:

**trial** (1-48) - trial number by block.

\*\* There are two experimental sessions, each with 3 test blocks. Each block contains 48 trials \*\*

RelevantData %>% group\_by(participant,session, block)%>%

mutate(trial = row\_number()) %>% ungroup()

**block\_half**(1/2) - indicates the first or second half of each test block for split-block analysis.

\*\* Each block of trials was split into two halves by trial number (trials: 1-24=='first half'; 25-48=='second half') \*\*

**log\_respRT** - log trnsformed RespRT.