**Data Documentation**

**shape(string=>’square’, ‘diamond’):**  
Part of the expInfo variables.  
Defines the orientation of the experiment’s squares.  
‘square’ - applies no orientation (0 deg).  
‘diamond’ - applies orientation (45deg).  
  
  
**shapeBoolean(int=>0, 1):**Defines the orientation of the experiment’s squares.  
0 - There is no orientation (0 deg).  
1 - There is an orientation (45deg).

**number of years in education(float):**  
Part of the expInfo variables.  
Defines the number of years the participant has in education.

**handedness(string=>’right-handed’, ‘left-handed’):**  
Part of the expInfo variables.  
Defines the dominant hand of the participant.

**handednessBoolean(int => 0, 1):**  
Defines the dominant hand of the participant.  
0 - Right-Handed  
1 - Left-Handed

**age(float):**Part of the expInfo variables.  
Defines the age of the participant.

**gender(string => ‘male’, ‘woman’, ‘other’):**Part of the expInfo variables.  
Defines the gender of the participant.  
  
  
**genderBoolean(int => 0, 1, 2):**  
Defines the gender of the participant.  
0 - ‘woman’  
1 - ‘male’  
2 - ‘other’  
  
**routineNumber (int):**

Defines the current number of the loop.

The number of loops is determined using the `num\_of\_trials` variable.

It can be mutated inside the `trials` function, inside the `create\_data` routine.

**imagesVariationSign (string => ‘!=’, ‘==’):**

Defines the current variation of the images.

When `imagesVariationSign` equals '==', the images are identical.

When `imagesVariationSign` equals '!=', the images are not identical.

**imagesVariation (int => 0, 1):**

Defines the current variation of the images.

When `imagesVariationSign` equals 1, the images are identical.

When `imagesVariationSign` equals 0, the images are not identical.

**totalNumOfTrials (int):**

Defines the current number of loop.  
Equals to the `num\_of\_trials` variable.  
Printed at the end of the experiment.

**numOfLoops (int):**

Defines the current number of loop.  
Each time the participant presses ‘r’, ‘numOfLoops’ increases by 1.  
At the end of each routine, ‘numOfLoops’ resets to 0.

**totalNumOfLoops (int):**

Defines the total number of loops in the entire experiment.  
Printed at the end of the experiment.

**trialsOrder (list):**

A list containing the order of the trials after randomization.  
Printed at the end of the experiment.

For example: ['!=', '==', '!=', '==', '==', '==', '!=', '!=']

**pressedKey (string => ‘q’, ‘p’, ‘space’):**

Defines the keyboard key that was clicked on each trial.

Only records the keys ‘q’, ‘p’, and ‘space’.

**correctAnswerBoolean (boolean):**

Defines the answer of the participant regarding the identity of the image.

A correct answer will result in 'True'.

A wrong answer will result in 'False'.

**correctAnswer (int):**

Defines the answer of the participant regarding the identity of the image.

A correct answer will result in 1.

A wrong answer will result in 0.

**numOfCorrectAnswers (int):**

Counts the total number of correct answers during the experiment.

**numOfWrongAnswers (int):**

Counts the total number of wrong answers during the experiment.

**singleRoutineRT (float):**

Defines the duration of each trial.

Starts when the second image appears.

End when the participant presses on 'p', 'q', or ‘space'.

**fullRoutineRT (float):**

Defines the duration in which the participant made a final decision.

Starts when the first image appears.

Ends when the participant presses `p' or `q'.

**locations (list):**

Defines the location of each square.  
The order of locations is the same as the list of colors.

**imgColors1(list):**

Defines the colors of each square in the first image.  
For example: ['blue', '#ff94c0', 'orange', 'red']

**imgColors2(list):**

Defines the colors of each square in the second image.  
For example: ['cyan', 'green', 'blue', 'yellow'].