

Dataset description

1_behav

DataAll.csv (behavioral data from all trials):

Variable	Units	Description
subj_idx	-	Participant number
stim	-	% scene of the image -1.5 = 33%; -0.5 = 43%; 0 = 48%; 0.5 = 53%; 1.5 = 63%
response	-	0: participant categorized the image as containing more face 1: participant categorized the image as containing more scene
rt	seconds	Response time
condition	-	block type -1: Face-bonus block; 0 = Neutral block; 1 = Scene-bonus block
MotCon	-	-1: participant categorized the image as the category
block		Block number in experiment

DataAll_pupil.csv (behavioral data from all trials with valid pupil measurements):

Variable	Units	Description
subj_idx	-	Participant number
stim	-	% scene of the image -1.5 = 33%; -0.5 = 43%; 0 = 48%; 0.5 = 53%; 1.5 = 63%
response	-	0: participant categorized the image as containing more face 1: participant categorized the image as containing more scene
rt	seconds	Response time
condition	-	block type -1: Face-bonus block; 0 = Neutral block; 1 = Scene-bonus block
MotCon	-	-1: participant categorized the image as the category
block		Block number in experiment
pupil	z-score	Evoked pupil response: change in average pupil diameter from baseline 1s prior to time of response
baseline	z-score	Baseline pupil diameter: average pupil diameter 500ms prior to stimulus onset

2_pupil/behavPupil_zscore

SubjX.mat (matlab data containing pupil timecourse of participant x)

Data{1,x} (data for block no. x)

Variable	Units	Description
pupilTC	zscore	25 x 1750 matrix; pupil diameter from 500ms before stimulus onset to 2 seconds after stimulus onset for the 25 trials in the block
pupilTC_Response	zscore	25 x 2000 matrix; pupil diameter from 2s to 2s for the 25 trials in the block
baseline	zscore	25 x 1 vector; baseline pupil diameter for the 25 trials in the block