



# Index

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Table 1. Demographic and clinical characteristics of the study sample.

Characteristic	Mean (SD)	Range
Age (years)	55.36 (14.4)	46.58 - 15.58
Gender (M/F)	32.86 (4.2)	30.38 - 4.20
Education (years)	7.70 (2.2)	5.45 - 0.86
SES (%)	7.5 (1.65)	1
SES (n)	6.3 (4.3)	1
SES (n)	5	1
SES (n)	2	
SES (n)	4	
SES (n)	2.7 (0.7)	4.3 - 3.3
SES (n)	2.5	3.0
SES (n)	5.55 (4.3)	7.24 - 8.68
SES (n)	0.88 (0.50)	1.14 - 1.05
SES (n)	1.77 (0.41)	2.00 - 0.78
SES (n)	2.01 (0.58)	1.71 - 0.57
SES (n)	55.2 (25.2)	1
SES (n)	-0.13 (0.60)	1
SES (n)	2.60 (0.74)	3.22 - 0.52
SES (n)	2.7 (0.63)	3.27 - 0.52
SES (n)	2.48 (0.58)	2.71 - 0.57
SES (n)	2.34 (0.66)	2.23 - 0.60
SES (n)	1.74 (0.68)	1.73 - 0.54

SES = Socioeconomic Status; M = Male; F = Female; n = number of subjects.

### Physical and psychological measures

Physical and psychological measures were collected from all participants. The Beck Depression Inventory (BDI) (Beck, 1978) is a self-rated questionnaire that assesses the current and longest episode of major depression. The BDI consists of 21 items, each rated on a scale from 0 to 4, with a total score ranging from 0 to 63. Higher scores indicate more severe depression. The BDI is a widely used measure of depression in clinical and research settings. The BDI is a self-rated questionnaire that assesses the current and longest episode of major depression. The BDI consists of 21 items, each rated on a scale from 0 to 4, with a total score ranging from 0 to 63. Higher scores indicate more severe depression. The BDI is a widely used measure of depression in clinical and research settings.

Stimuli were presented to participants in a randomized order. The stimuli consisted of 36 images, each presented for 15 seconds. The images were categorized into two groups: 20 images of faces and 16 images of objects. The images were presented in a randomized order. The stimuli consisted of 36 images, each presented for 15 seconds. The images were categorized into two groups: 20 images of faces and 16 images of objects. The images were presented in a randomized order.

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Experimental procedure. The experimental procedure consisted of two main parts: a practice run and a main run. The practice run consisted of 10 trials, and the main run consisted of 20 trials. The stimuli were presented in a randomized order. The experimental procedure consisted of two main parts: a practice run and a main run. The practice run consisted of 10 trials, and the main run consisted of 20 trials. The stimuli were presented in a randomized order.

fMRI data acquisition. The fMRI data were acquired using a 3T MRI scanner. The data were acquired using a 3T MRI scanner. The data were acquired using a 3T MRI scanner. The data were acquired using a 3T MRI scanner.



31.  $(p < 0.1)$   $(p < 0.1)$

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Table 2. The effect of the different levels of the independent variables on the dependent variables. The dependent variables are the mean values of the dependent variables.

Independent Variable	Level 1			Level 2			Level 3											
	Mean	SD	n	Mean	SD	n	Mean	SD	n									
Dependent Variable 1	3.0	0.21	3.44	150	-3.3	3.57	3.7	0	-24	36	-21	4.22	57	6	12	-3	3.08	162
	48	0	4.37	135	-3.6	3.2	3.2	36	-36	27	-21	3.12	417	21	-3	27	3.26	63
	48	-12	0	3.42	108	-3.6	3.2	36	-36	27	-21	3.12	417	21	-3	27	3.26	63
Dependent Variable 2	-48	-15	-3	2.7	15	-3.6	3.2	36	-36	27	-21	3.12	417	21	-3	27	3.26	63
	12	30	-18	3.11	111													
	30	-6	6	2.8	4815													

$(r = 0.8)$   $(r = 0.6)$   $(r = 0.6)$   $(r = -0.7)$   $(r = -0.78)$   $(r = -0.78)$   
 32, 33 18, 34, 35 32, 33, 36, 37  
 (3, 2, 1) (3, 2, 1) (3, 2, 1)

$(r = 0.8)$   $(r = 0.6)$   $(r = 0.6)$   $(r = -0.7)$   $(r = -0.78)$   $(r = -0.78)$   
 32, 33 18, 34, 35 32, 33, 36, 37  
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 32, 33 18, 34, 35 32, 33, 36, 37  
 (3, 2, 1) (3, 2, 1) (3, 2, 1)



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