

Appendix 1: Summary of participant characteristics

Table S 1. Characteristics of on-site participants.

Lab ID	N(Number of Females)	Average age (years)
AUT_002	102(77)	21
CAN_020	93(52)	20
CHN_005	51(29)	19
CHN_019	31(13)	25
COL_001	68(39)	21
ECU_001	63(31)	22
GBR_005	52(39)	20
GBR_006	50(37)	20
GBR_014	51(42)	19
GBR_043	29(15)	26
GRC_002	100(8)	33
HUN_001	110(2)	21
IND_003	78(51)	21
ISR_001	148(81)	23
MYS_003	47(37)	22
MYS_004	88(59)	20
NOR_003	49(1)	24
NOR_004	77(0)	22
POL_001	51(1)	24
PSA_001	55(45)	19
SVK_001	97(1)	21
SVK_002	60(0)	22
THA_001	50(39)	22
TUR_007	88(0)	21
TUR_007E	9(6)	20
TUR_025	99(0)	22
TWN_001	61(48)	21

Lab ID	N(Number of Females)	Average age (years)
TWN_002	30(21)	21
USA_020	305(235)	19
USA_032	51(30)	19
USA_033	45(34)	20
USA_065	49(31)	19
USA_173	3(0)	20

Table S 2. Characteristics of online participants.

Lab ID	N(Number of Females)	Average age (years)	Proficiency accuracy(%)
ARE_001	52(0)		59
ARE_002	54(42)	27	79
AUS_091	160(127)	26	86
AUT_005	108(80)	22	88
BRA_003	50(36)	31	92
DEU_020	26(18)	24	87
NGA_001	52(24)	24	90
NOR_002	21(12)	30	87
NZL_005	320(244)	23	91
POR_001	55(26)	31	87
PSA_002	64(49)	20	89
SRB_002	82(67)	21	94
SRB_002B	48(41)	22	86
TUR_023	79(36)	23	83
TWN_002	57(19)	21	88
TWN_002E	12(6)	21	89
USA_011	63(30)	22	88
USA_020	26(16)	20	85
USA_030	27(20)	21	87
USA_033	47(33)	20	89

Note. No participants from ARE_001 reported their birth year.

Table S 3. Number of participants completed the experimental tasks.

Language	Lab ID	on sites		online	
		SP	PP	SP	PP
Arabic	ARE__001			16	52
Arabic	ARE__002			52	54
Brazilian Portuguese	BRA__003			49	50
English	AUS__091			159	160
English	NGA__001			48	52
English	NZL__005			311	320
English	PSA__002			64	64
English	TWN__002E			12	12
English	USA__011			60	63
English	USA__020	23	23	25	26
English	USA__030			26	27
English	USA__033	31	31	45	46
German	AUT__005			108	108
German	DEU__020			26	26
Norwegian	NOR__002			21	21
Portuguese	POR__001	5	5	54	55
Serbian	SRB__002			81	82
Serbian	SRB__002B			47	48
Traditional Chinese	TWN__002	33	33	57	57
Turkish	TUR__023			76	79
English	CAN__020	93	97		
English	GBR__005	50	52		
English	GBR__006	25	25		
English	GBR__014	50	50		
English	GBR__043	25	25		
English	MYS__003	44	47		
English	MYS__004	99	100		
English	PSA__001	40	41		
English	TUR__007E	5	8		
English	USA__032	49	50		
English	USA__065	32	32		

SP: Sentence-picture verification task; PP: Picture-picture verification task

Language	Lab ID	on sites		online	
		SP	PP	SP	PP
English	USA_173	29	31		
German	AUT_002	99	99		
Greek	GRC_002	97	98		
Hebrew	ISR_001	145	145		
Hindi	IND_003	78	78		
Hungarian	HUN_001	129	129		
Norwegian	NOR_003	51	51		
Norwegian	NOR_004	72	70		
Polish	POL_001	50	50		
Simplified Chinese	CHN_005	50	50		
Simplified Chinese	CHN_019	30	30		
Slovak	SVK_001	90	91		
Slovak	SVK_002	47	47		
Spanish	COL_001	67	69		
Spanish	ECU_001	54	58		
Thai	THA_001	48	50		
Traditional Chinese	TWN_001	59	60		
Turkish	TUR_007	83	84		
Turkish	TUR_025	97	98		

SP: Sentence-picture verification task; PP: Picture-picture verification task

Table S 4. Number and proportion of outliers by laboratory.

Lab ID	Numbers of excluded participants	Proportion of excluded participants
ARE_001	13	0.25
ARE_002	14	0.26
AUS_091	0	0.00
AUT_002	25	0.25
AUT_005	0	0.00
BRA_003	0	0.00
CAN_020	24	0.25
CHN_005	13	0.26
CHN_019	8	0.26
COL_001	17	0.25
DEU_020	7	0.27
ECU_001	15	0.26
GBR_005	13	0.25
GBR_006	6	0.24
GBR_014	13	0.26
GBR_043	6	0.24
GRC_002	25	0.26
HUN_001	32	0.25
IND_003	20	0.25
ISR_001	37	0.25
MYS_003	12	0.26
MYS_004	25	0.25
NGA_001	13	0.25
NOR_002	5	0.24
NOR_003	13	0.25
NOR_004	18	0.25
NZL_005	80	0.25
POL_001	13	0.26
POR_001	15	0.25
PSA_001	10	0.24
PSA_002	0	0.00
SRB_002	0	0.00
SRB_002B	0	0.00

Lab ID	Numbers of excluded participants	Proportion of excluded participants
SVK_001	23	0.25
SVK_002	12	0.26
THA_001	13	0.26
TUR_007	21	0.25
TUR_007E	2	0.25
TUR_023	20	0.25
TUR_025	25	0.25
TWN_001	15	0.25
TWN_002	23	0.26
TWN_002E	0	0.00
USA_011	16	0.25
USA_020	12	0.24
USA_030	0	0.00
USA_032	13	0.26
USA_033	19	0.25
USA_065	8	0.25
USA_173	8	0.25