|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | Habituation | | Acquisition | | Extinction | | 24hrs | | 7days | |
|  | | CS- | CS+ | CS- | CS+ | CS- | CS+ | CS- | CS+ | CS- | CS+ |
| VAS | Condition | M (SD) | M (SD) | M  (SD) | M  (SD) | M  (SD) | M  (SD) | M  (SD) | M  (SD) | M  (SD) | M  (SD) |
| Disgust | No exposure | 33.8 (25.8) | 40 (29.6) | 47.6 (29.5) | 58.2 (33.9) | 31.2 (25.6)u,x | 54.3 (29.8)u,x | 37.4 (21.8)v,y | 50.9 (30.2)v,y,7 | 35 (20.3)w,z | 52.7 (25.9)w,z,5,7 |
|  | BAT | 31.2 (23.3) | 29.9 (29.5) | 49.2 (33.3) | 51.3 (32.4) | 30.4 (26.6)u | 44.6 (29.1)u | 33.3 (27.9)v | 50.5 (31.5)v | 33.2 (27.2)w | 43.5 (26.9)w,6 |
|  | Inactive enforcer | 35.7 (24.7) | 29.9 (26.1) | 41.8 (29.1) | 51.4  (28) | 33.8 (26.4) | 46.2 (31.3) | 35 (25.4) | 40 (28.7) | 31.5 (23.9) | 40.1 (31.8) |
|  | Active enforcer | 38.4 (31.4) | 39.3 (27.6) | 52.6 (33.5) | 62.1  (31) | 45.8 (30.8)x | 53.5 (30.8)x | 47.7 (30.7)y | 56.4 (29.4)y,8 | 48.5 (29.3)z | 58.9 (25.6)z,8 |
|  | Total | 34.7 (26.4)c | 34.4 (28.6)c | 47.8 (31.4)d,g,3 | 55.8 (31.6)d,g,4 | 35.2 (27.9)h,m,1 | 49.7 (30.4)h,m,2 | 38.3 (27.0)n,1 | 49.4 (30.4)n,2 | 36.9 (26.0)o,1 | 48.8 (28.4)o,2 |
| Willingness to eat | No exposure | 47.5 (24.7) | 44.3 (25.4) | 45.8 (31.8)s | 16.6 (19.3)s | 49.3 (31.2)t,u | 23.9 (21.8)t,u,5 | 45.3 (24.6)v | 30.5 (23.3)v | 49.1 (23.7)w | 35.3 (23.3)w,5 |
|  | BAT | 46.0 (30.2) | 49.0 (30.6) | 47.8 (32.8)s | 18.7 (20.4)s | 49.5 (32.4)t,u | 42.4 (30.3)t,u,6 | 47.4 (29.2)v | 38.1 (30.2)v | 51.7 (27.5)w | 44.8 (27.1)w,6 |
|  | Inactive enforcer | 47.6 (24.7) | 54.2 (28.6) | 41.3 (25.4) | 28.6 (26.3) | 44.4 (27.4) | 40.8 (31.0) | 43.7 (27.7) | 44.3 (30.3) | 48.1 (29.1) | 43.1 (30.1) |
|  | Active enforcer | 45.9 (29.4) | 43.9 (26.2) | 35.5 (31.1) | 23.0 (29.0) | 37.1 (28.7) | 29.3 (29.3) | 40.8 (28.9) | 31.7 (26.2) | 41.3 (26.6) | 34.3 (25.3) |
|  | Total | 46.8 (27.2)a | 47.8 (27.9)a | 42.7 (30.6)b,e,i,1 | 21.6 (24.3)b,e,i,2 | 45.2 (30.3)f,j,p,1 | 34.0 (29.2)f,j,p,2 | 44.4 (27.6)q,1 | 36.1 (28.0)q,2 | 47.6 (26.9)r,1 | 39.4 (26.8)r,2 |
| Valence | No exposure | 48.2 (21.8) | 45.9 (20.9) | 56.7 (22.6)s | 25.1 (21.0)s | 55.1 (23.8)t | 33.1 (21.1)t,5 | 48.8 (21.8) | 30.6 (19.8) | 51.4 (19.3) | 37.7 (21.3) |
|  | BAT | 52.8 (22.4) | 52.6 (27.6) | 58.7(26.4)s | 28.8 (25.2)s | 58.1 (24.9)t | 47.7 (27.4)t,6 | 52.2 (26.0) | 41.0 (28.8) | 55.7 (23.9) | 48.8 (26.2) |
|  | Inactive enforcer | 48.4 (20.6) | 54.5 (26.8) | 51.7 (21.0) | 37.2 (27.1) | 51.5 (23.5) | 47.5 (26.5) | 48.7 (23.9) | 46.8 (26.2) | 50.1 (24.6) | 48.2 (29.7) |
|  | Active enforcer | 45.6 (27.3) | 45.8 (23.6) | 48.1 (28.2) | 25.4 (25.1) | 45.1 (24.9) | 34.3 (26.7) | 43.9 (27.0) | 33.8 (26.7) | 44.5 (24.9) | 36.1 (25.3) |
|  | Total | 48.7 (23.1)a | 49.7 (25.0)a | 53.9 (24.9)b,e,k,1 | 29.1 (25.0)b,e,k,2 | 52.5 (24.6)f,l,1 | 40.6 (26.3)f,l,2 | 48.4 (24.7)1 | 37.9 (26.1)2 | 50.5 (23.4)1 | 42.7 (26.2)2 |

Table S1: Title S1. VAS scores per Phase per CS Type

Table S1: Legend S1. Subjective evaluation for each of the 5-phases (i.e., habituation, acquisition, extinction, 24hrs, 7 days) on the 3-dimensions (i.e., disgust, willingness-to-eat, and valence) as measured on the VAS per condition (1, no exposure, 2, BAT, 3, active enforcer, 4, inactive enforcer). Different letters in superscript indicate significant interactions based on RM-ANOVA:

CS\*Phase interaction disgust learning, a,b: p < .001; c,d: p = .007; CS\*Phase interaction disgust unlearning, e,f: p < .001, g,h: p=.024; CS\*Phase\*Condition disgust unlearning: i,j: p < .001; k,l: p = .045; CS\*Phase\*Condition long-term: m,n,o: p <.001; p,q,r: p = .03; CS\*Phase\*Condition disgust unlearning (no exposure vs. BAT): s,t p ≤ .006; CS\*Phase\*Condition long term (no exposure vs. BAT), u,v,w: p ≤ .008; CS\*Phase\*Condition long term (no exposure vs. active enforcer), x,y,z: p = .015.

Different numbers in superscript indicate significant differences based on t-test:

CS- vs. CS+ within phase, 1,2: p < .001; 3,4 p = .002; difference CS+ across conditions no-exposure vs. BAT: 5,6 p ≤ .008; difference CS+ across conditions no-exposure vs. active enforcer: 7,8 p ≤ .034.