s gsts ave g vest gate t e ass e - a s st a et tet ast e e e e. te (2004, 2005) test at s gsts ave g e t e e s at e e at gt e e te e - e ea e a as e a s s gat g. e eve s ev e e s g, s a a g, a u s e et a gu et att et a t a s g a t e es gat g, a t e e e vatt t e te e e et at u es st gat g eve a e (.6). te eve s ev e e s a - a g t su tt e a t at ge e a te e e e , eta e et sa a te at e at s gtte. at u a e test at e - a e es, u ea esa ate a ea e at e t e ug, eate e g a e a tat ate a ea e e et e ug. e a gu est att s esu ts t e a se e eta e et . sat e e ts a e stu es g e t u esta t e e a s st at u e - et e e g a e a tat se ve u et e ue e e a e es.

tu es us g e a e es, su as a e a (a - u) a a a a (a a), as e as a , ave ee use t u ete a ate g a e a esa. - at ese te ate gest gt s ugte s tt e e a e ; eve, at a qu e t gest -

a et a e de e et te s as a u - t t et e te s ea e s et . d g a e a ta es ts a e u e ate e a- t s et ,t et e a aqu e s u t e essa atte. A ate a ve a u t t a e se st st a t e a ta t e te sa qu e e et es ts a e u t te ee e a e t a a ease t ea t t s ate.

ee e et e te ee a est ese - t s s gt e ug *midazolam*, a e a e et a u est a s e t ate g a ea es a. t s a as -at g a t use ut e e a e u es, u - g eta a e a su ge es. a ue - e a tas , de t a s s u e t ug et s - a e t e a e a s s u e t a - et sa e. ee e et uses a u e- , t -su ets es g (su ets g sa e e a a a a t e). u ets s u as, a t e ue - e a a u a a ate et es ses s eas u e . at u a te est s e a e t e te a s t e s g ve t t e et (s 1) as a u t ug t .

e a s t e t et . t st e s et t ea e t t a e e t a est e . e-

A A A A A N N A A ?

ug t a a t e as s g at [$F(1,30) = 9.0, p < .05$] . ese esuts e et e ve t at e e- g a e a ta te s ea e t a et a a sg eatest t sete st a u t e- se su e s e te e e.

DISCUSSION

e ause t s utt a u ate ge e a te e- e e, a at stu es ave te e t us s e te e e, *cue overload*. e e e a et a u ate ge e a te e e e t ut t u g u s e- sut g a u t see ,t e a, ea. at as et u stu as a e at t e esea t at e a e t ee ets ge e a te e e e as us ga ugt at u est a s et ate g a e a esa. at se u stu a at st e att a e a e t e e g a e a ta te u e t ea se e ge- e a te e e e t t e a ta te u e t ea- se e t s e a ge e a te e e e;t at s, u s e te e e e t as ta e t e sa e ge e a te tua te e e e t e t t . e u s g at e e g a e a ta t e t t ta te u e t s e te e e a ge e a te e e et a t e t t , stu e e ge e a te tua te e e e . a- ta as assesse a g e et ate stu g u e a a ve sus u e sa e. e a s ee stu e u e sa e, e a e as se t e s e-

Figure 3. Mean time to correctly respond on the final test as a function of type of pair, list, and drug condition.

$$P(\text{encoding}) = 1 - C \cdot 2^{-\frac{t_{\text{injection}}}{t_{hl}}},$$

gt g a g gte t e eg eet e esea es ave g e ts t ut s e as get ag ue t at e e ue ve a asa e a s es - s e gt g s ve ate . As e ts ut, u at s ea e s gtte , eve e s e te e- e e as e gt g. N e ess, t s tat t tet at te (2004) st g ag eest at e a e u e sa e e se a t t t s u es te ee et a a t t e. ee e, u gs ae t s stet t s st . e ee e e ee te ug t s ge e a te ee e ass a e u stu a e t t e est at te (2004) es e . s a u e e au se u e e et use ue e a at e t a ee e a , a atte u e u e t. A stst at t ue e at ee sa a t as u e at vat t a et ee s e e a ess e, t e e g te e t ege e a e e eta tet. u s u a- t s e a ve s a a vatage a a t ege e a tet t , ut A u e t a age e e e ee ug t s ge e a - te ee e, t ee ee ue st v e a a - t as gs u e at vat ; t at s, t e e e e t e a u t et t ege e a tet e u a a a age e a ee- e a a a g . e e a te ee e s a tat s u e gt- t g, ut t s eat at s e te ee e s a te , a t at t s u es te ee e ae e s u t vet a e. At ug a e a at et ga e a tat t e a e est at s ase ess s u t te s at ess s au s e, t e esu ts u e e et at et at s u a a u t s u e essa .[5]

AUTHOR NOTE

s as su te ats 2- 0615(A.615(A 15(A.52(10184( )10()10(4

APPENDIX

e A equa suse t et e ue - ea ata (a u a , ate , a t e e s) a e ste a e A1. e e ete t s e us g e a t e et a tst ese ata a e u eat .a e . u .e u/use / e e / e _ ts/ A a a .t , a as a ts . g/a ve. A e t e equa sa e - e e au/set e e s a ess et a sus a e ete s a et a e gt a s u t e a e equ stet e a gt e e, e set et st e e (st equa sa e eas es e) s t a u e u e e a ess e.

Table A1
SAC Model Parameter Descriptions, Fixed Constants and Model Equations

a a ete Na e	u t	a ue
A_s	u et at va e etua st	40
d_n	e - a e a stat ase eve at va	0.175
d_l	e - a e a stat st e g	0.12
c_n	t e g stat a e	25
e a	Ave age et e e a e ee stu a tes	100
B_0	ase eve at va (Yu če a & a s, 1967; equa ave age 90)	$90^{0.4}$
F_0	ee st g a e et (Yu če a & a s, 1967; equa ave age 90)	$90^{0.7}$
$\sigma_{e\ s\ e}$	s e (e et) at va sta a eva a	0.357*
$\tau_{e\ s\ e}$	s e (e et) at va t es	4.517*
C_m	et ve ess a a e ate ate et	1*
T_{hl}	ate e ugges st a te (e a e ets)	31
P_s	a t s u us e et	0.499*
A_a	At va a	89.3*

* e ve a a ees t ast e s s ee tte t t ese ata. e t es ee te ev us es.

At va s ea s ee es va s. e u et at va eve a e a se e v eta st u- at at va e e ve ass ate es. e ease at va a e e v g e R, as e e ve at va te es, s ute su gt eat va t s e e v g a s u e es; eve , u ea s u e ese s e e s (1) t at s u e e's st e g , a (2) u et t e et t R as te sass ate t t at s u e. e e g sa st ge e g s, ea vet te st e g te ta , ea t ess at va ea gt e e e v g e. s et g vest e et ea t ts u ate a e ets (e.g., A es , 1974; e e & ss, 1983).

As as g ass u t , e ass u et ata es sete e e a e te et at st e asses t es . et a e e s e e s a ve t es a g ve te (e.g., t e te e e e t te e a e st at g t ut e e s e es), e ass u et att e es se s sse te a te s- s e e s se es t equa a a t . us, t e e ss ete e t e at e g es se a te e e e a ; eve , t e e te s e e s e e t gd ve t es e au/set as a t as u e at va- t , a e t e st ue (1, 2, 3). t e te e a , t e e, sas s ete e t a ve te t u e a t a ts t e at e as (e v gt e ass at t e g st ut st g vest e et es se). set equa sa et e est at a e ate a s u e e a e t e e s ea as e t e e ste.

e as ass u et ata e s t st e g e e e ts u et at va sa ve as e eve . s ass u t s ve e as a a t u at , s t at e t esa e at se e e e ve a ve t ge att ats as u att et a es t ga st e g e te .

Table A2
SAC Model Parameter Descriptions, Fixed Constants, and Model Equations

equa	es t
(1) $B = B_0 + c_n$ e a $^{-d_n}$	ase eve at va as a u t at ves t e g a e a
(2) $S =$ e a $^{-d_l}$	st e g e a ga sa u t e a
(3) $A_{u e} = B + A_s$	ue e at va as a u t ase eve a u et st
(4) $A_{\text{input}} = \sum_{\text{cue}} \left(A_{\text{cue}} \cdot \frac{S_{\text{cue,episode}}}{\sum S_{\text{cue}}} \right)$	st e s e e's u et st e g ue t s e a gat va ues at tes t
(5) $A_{\text{episode}} = \ln\left(B + A_{\text{input}}\right)$	u et at va st e a u a gat t es u ase eve at va- t a e e ve s e a gat va
(6) $P(\text{episode}) = N\left(A_{\text{episode}} \middle\| \delta_{\text{episode}}, \tau_{\text{episode}}\right)$	a t t ee s e e e ga ve t es as a u t t e u u at ve a st u t at ts at va
(7) $P(\text{encoding}) = 1 - C \cdot 2^{-\frac{t_{\text{injection}}}{t_{hl}}}$	a t ga e u e a a

ve a a ees e e va e t tt e ate es ses (et e), ta e 42 ata ts, a 0.046 a a R^2 .94 (gu es A1 a A2). se a a e e va ues e e e va u ate aga st t e tes a u a ata ta g 14 ata ts a 0.061 a a R^2 .94 (gu e 3). e ata e e t t t a- t a a a e e st at t as ate e at va va ues st us gt e equa va t ga va t t : = $C * e^{(-D * A_i)}$, e e C a D a e tte a a e e s a A st e at va va ue e ve tt gt e a u a ata. e t as equ te g t t t eset a t a a a e e s a 433.8 (se) a a R^2 .83.

Figure

(a us t e e ve a ua 18, 2006;
evs a e te u a 11, 2006.)