#### **Supplemental Material for:**

First Impressions or Good Endings? Preferences Depend on When You Ask Sinclair, Wang, & Adcock (2024)

Supplementary Table 1. Results from a binomial generalized mixed-effects model predicting trial-wise object recognition accuracy (correct or incorrect) in Study 1. The model included random intercepts for subjects and random slopes for object value, box type, and learning trial number.

Fixed Effects					
Term	Wald Chisq	DF	<i>p</i> -value		
Object Value	14.14	1	< 0.001***		
Вох Туре	0.74	2	0.692		
Learning Trial Number	30.04	1	< 0.001***		
Object Value * Box Type	2.24	2	0.327		

Object Value * Box Type Contrasts							
Object Value Box Type Estimate SE z-stat p-value							
low - high	early	-0.216	0.131	-1.652	0.099		
low - high	even	-0.326	0.130	-2.510	0.012*		
low - high	late	-0.463	0.131	-3.537	< 0.001***		

Supplementary Table 2. Results from a binomial generalized mixed-effects model predicting trial-wise object-value memory accuracy (correct or incorrect identification of high-value objects as high-value) in Study 1. The model included random intercepts for subjects and random slopes for the learning trial number.

Model Information	
N Observations	1064
N Subjects	52
Marginal R <sup>2</sup> / Conditional R <sup>2</sup>	0.02 / 0.29
ICC	0.28

Fixed	Effects				
Term Wald Chisq DF p-value					

Box Type	15.55	2	0.000
Learning Trial Number	0.08	1	0.779

Box Type Contrasts							
Box Type Estimate SE z-stat p-value							
early - even	-0.464	0.179	-2.587	0.026*			
early - late	-0.697	0.180	-3.868	<0.001***			
even - late	-0.233	0.180	-1.295	0.398			

Supplementary Table 3. Results from a binomial generalized mixed-effects model predicting trial-wise object-box association memory accuracy in Study 1. The model included random intercepts for subjects and random slopes for the box type and object value.

Fixed Effects						
Term Wald Chisq DF p-value						
Вох Туре	2.67	2	0.263			
Object Value	3.83	1	0.050			
Learning Trial Number	4.52	1	0.034			
Box Type * Object Value	3.90	2	0.142			

Box Type Contrasts								
Box Type Estimate SE z-stat p-value								
early - even	-0.062	0.130	-0.474	0.884				
early - late	0.262	0.132	1.988	0.115				
even - late	0.324	0.148	2.190	0.073				

Box Type * Object Value Contrasts							
Object Value Box Type Estimate SE z-stat p-value							
low - high	early	-0.401	0.151	-2.655	0.008**		
low - high	even	-0.164	0.147	-1.116	0.264		
low - high	late	0.017	0.160	0.104	0.917		

Supplementary Table 4. Results from a linear regression model predicting average box value estimation error (continuous variable) in Studies 1-6, comparing box types and task versions. \* p < .05, \*\* p < .01, \*\*\* p < .001

Omnibus Tests						
Term F-stat DF p-value						
Вох Туре	29.66	2, 582	< 0.0001***			
Task Version	0.75	10, 582	0.676			

Box Type Contrasts							
Contrast Estimate SE t-stat p-value							
Early – Even	0.36	0.06	6.29	< 0.0001***			
Early – Late	0.41	0.06	7.05	< 0.0001***			
Even – Late	0.04	0.06	0.76	0.729			

Task Version * Box Type Contrasts						
Task Version	Contrast	Estimate	SE	t-stat	<i>p</i> -value	
Active	Early – Even	0.53	0.15	3.67	0.0008***	
Active	Early – Late	0.54	0.15	3.69	0.0007***	
Active	Even – Late	0.00	0.15	0.02	0.999	
Interleaved	Early – Even	0.17	0.14	1.21	0.448	
Interleaved	Early – Late	0.20	0.14	1.41	0.336	
Interleaved	Even – Late	0.03	0.14	0.20	0.978	
Middle	Early – Even	0.24	0.14	1.75	0.188	
Middle	Early – Late	0.39	0.14	2.82	0.014*	
Middle	Even – Late	0.15	0.14	1.07	0.535	
Original	Early – Even	0.41	0.14	2.96	0.009**	
Original	Early – Late	0.50	0.14	3.65	0.0008***	
Original	Even – Late	0.09	0.14	0.69	0.772	
Passive	Early – Even	0.49	0.14	3.41	0.002**	
Passive	Early – Late	0.36	0.14	2.50	0.034*	
Passive	Even – Late	-0.13	0.14	-0.91	0.637	
Value-Info	Early – Even	0.34	0.15	2.36	0.049*	
Value-Info	Early – Late	0.46	0.15	3.17	0.005**	
Value-Info	Even – Late	0.12	0.15	0.81	0.696	

Supplementary Table 5. Results from a binomial generalized mixed-effects model predicting trial-wise object recognition accuracy (correct or incorrect) in Studies 1-6, comparing task versions. The model included random intercepts for subjects and random slopes for object value, box type, and learning trial number. \* p < .05, \*\* p < .01, \*\*\* p < .001

Fixed Effects							
Term	Wald Chisq	DF	<i>p</i> -value				
(Intercept)	123.75	1	< 0.001***				
Object Value	96.41	1	< 0.001***				
Box Type	4.99	2	0.083				
Task Version	6.12	5	0.295				
Learning Trial Number	216.00	1	< 0.001***				
Object Value * Box Type	7.83	2	0.020*				
Object Value * Task Version	2.44	5	0.785				
Box Type * Task Version	20.87	10	0.022*				
Object Value * Task Version * Box Type	7.85	10	0.643				

Object Value	Box Type	Estimate	SE	z-stat	<i>p</i> -value
low - high	early	-0.262	0.054	-4.870	< 0.001***
low - high	even	-0.456	0.055	-8.346	< 0.001***
low - high	late	-0.362	0.054	-6.693	< 0.001***
	Box Type	* Task Versio	n Contras	sts	
Task Version	Box Type	Estimate	SE	z-stat	<i>p</i> -value
Active	early - even	0.008	0.108	0.077	0.997
Active	early - late	-0.151	0.107	-1.418	0.332
Active	even - late	-0.159	0.109	-1.466	0.307
Interleaved	early - even	-0.110	0.104	-1.063	0.537
Interleaved	early - late	0.071	0.101	0.703	0.762
Interleaved	even - late	0.182	0.103	1.762	0.182
Middle	early - even	-0.136	0.106	-1.283	0.405
Middle	early - late	-0.024	0.103	-0.235	0.970
Middle	even - late	0.112	0.105	1.073	0.531
Original	early - even	-0.141	0.105	-1.345	0.370
Original	early - late	-0.128	0.103	-1.236	0.432
Original	even - late	0.013	0.105	0.127	0.991
Passive	early - even	-0.012	0.111	-0.111	0.993
Passive	early - late	0.297	0.108	2.740	0.017*

**Object Value \* Box Type Contrasts** 

Passive	even - late	0.310	0.108	2.853	0.012*
Value-Info	early - even	-0.189	0.112	-1.688	0.210
Value-Info	early - late	-0.249	0.111	-2.242	0.064
Value-Info	even - late	-0.060	0.113	-0.528	0.857

	Object Value * Box Type * Task Version Contrasts							
Task Version	Object Value	Box Type	Estimate	SE	z-stat	<i>p</i> -value		
Active	low - high	early	-0.30	0.13	-2.30	0.022*		
Active	low - high	even	-0.36	0.13	-2.68	0.008**		
Active	low - high	late	-0.32	0.13	-2.39	0.017*		
Interleaved	low - high	early	-0.15	0.13	-1.17	0.240		
Interleaved	low - high	even	-0.48	0.13	-3.72	0.0002***		
Interleaved	low - high	late	-0.18	0.13	-1.44	0.151		
Middle	low - high	early	-0.21	0.13	-1.64	0.102		
Middle	low - high	even	-0.58	0.13	-4.48	< 0.0001***		
Middle	low - high	late	-0.34	0.13	-2.66	0.008**		
Original	low - high	early	-0.22	0.13	-1.74	0.082		
Original	low - high	even	-0.35	0.13	-2.71	0.007**		
Original	low - high	late	-0.47	0.13	-3.66	0.0003***		
Passive	low - high	early	-0.47	0.14	-3.47	0.0005***		
Passive	low - high	even	-0.50	0.14	-3.69	0.0002***		
Passive	low - high	late	-0.38	0.13	-2.86	0.004**		
Value-Info	low - high	early	-0.22	0.14	-1.61	0.108		
Value-Info	low - high	even	-0.46	0.14	-3.36	0.0008***		
Value-Info	low - high	late	-0.48	0.14	-3.44	0.0006***		

Supplementary Table 6. Results from a binomial generalized mixed-effects model predicting trial-wise object-box association memory accuracy in Studies 1-6, comparing task versions. The model included random intercepts for subjects and random slopes for object value, box type, and learning trial number. Note that although there is an interaction between object value and box type, these are driven by a generalized primacy effect (object-box association memory is better for the first few items in each box, regardless of box type) and a generalized reward effect (object-box association memory is better for high-value objects, regardless of box type). \* p < .05, \*\* p < .01, \*\*\* p < .001

Fixed Effects							
Term	Wald Chisq	DF	<i>p</i> -value				
Box Type	2.39	2	0.302				
Object Value	13.23	1	< 0.001***				
Task Version	6.16	5	0.291				
Learning Trial Number	15.86	1	< 0.001***				
Box Type * Object Value	36.82	2	< 0.001***				
Box Type * Task Version	10.27	10	0.417				
Object Value * Task Version	2.54	5	0.770				
Box Type * Object Value * Task Version	11.81	10	0.298				

Box Type * Object Value Contrasts						
Object Value	Box Type	Estimate	SE	z-stat	<i>p</i> -value	
low - high	early	-0.49	0.07	-6.97	< 0.001***	
low - high	even	-0.05	0.07	-0.69	0.493	
low - high	late	0.03	0.07	0.39	0.696	

Box Type * Object Value * Task Version Contrasts							
Task Version	Object Value	Box Type	Estimate	SE	z-stat	<i>p</i> -value	
Active	low - high	early	-0.51	0.16	-3.32	0.001***	
Active	low - high	even	-0.21	0.15	-1.33	0.183	
Active	low - high	late	0.23	0.16	1.44	0.151	
Interleaved	low - high	early	-0.64	0.15	-4.25	< 0.001***	
Interleaved	low - high	even	-0.36	0.15	-2.47	0.014	
Interleaved	low - high	late	-0.11	0.16	-0.73	0.464	
Middle	low - high	early	-0.36	0.16	-2.62	0.024	
Middle	low - high	even	0.04	0.16	0.26	0.792	
Middle	low - high	late	-0.02	0.16	-0.12	0.904	

Original	low - high	early	-0.37	0.14	-2.60	0.009
Original	low - high	even	-0.14	0.14	-1.00	0.317
Original	low - high	late	0.05	0.15	0.32	0.753
Passive	low - high	early	-0.59	0.15	-4.06	< 0.001***
Passive	low - high	even	0.24	0.15	1.62	0.106
Passive	low - high	late	-0.04	0.16	-0.27	0.788
Value-Info	low - high	early	-0.57	0.15	-3.72	<0.001***
Value-Info	low - high	even	-0.21	0.15	-1.42	0.155
Value-Info	low - high	late	0.16	0.16	1.02	0.308

Supplementary Table 7. Results from a binomial generalized mixed-effects model predicting high-value hits (object-value association memory accuracy) in Studies 1-6, comparing task versions. The model included random intercepts for subjects and random slopes for learning trial number. \* p < .05, \*\* p < .01, \*\*\* p < .001

Fixed Effects							
Term Wald Chisq DF p-value							
Вох Туре	50.76	2	< 0.001***				
Task Version	8.15	5	0.148				
Learning Trial Number	8.94	1	0.003**				
Box Type * Task Version	13.49	10	0.197				

Box Type Contrasts							
Вох Туре	Estimate	SE	z-stat	<i>p</i> -value			
early - even	-0.25	0.08	-3.28	0.003**			
early - late	-0.56	0.08	-7.12	< 0.001***			
even - late	-0.31	0.08	-4.02	< 0.001***			

Task Version * Box Type Contrasts							
Task Version	Вох Туре	Estimate	SE	z-stat	<i>p</i> -value		
Active	early - even	-0.52	0.20	-2.65	0.022*		
Active	early - late	-0.72	0.20	-3.61	0.001***		
Active	even - late	-0.21	0.20	-1.05	0.545		

Interleaved	early - even	-0.05	0.18	-0.25	0.967
Interleaved	early - late	-0.50	0.19	-2.63	0.023*
Interleaved	even - late	-0.45	0.19	-2.42	0.041*
Middle	early - even	0.146	0.19	0.79	0.710
Middle	early - late	-0.45	0.20	-2.32	0.053*
Middle	even - late	-0.60	0.19	-3.21	0.004**
Original	early - even	-0.483	0.18	-2.71	0.019*
Original	early - late	-0.700	0.18	-3.91	0.0003***
Original	even - late	-0.217	0.18	-1.21	0.445
Passive	early - even	-0.24	0.18	-1.35	0.369
Passive	early - late	-0.27	0.19	-1.44	0.322
Passive	even - late	-0.03	0.19	-0.16	0.987
Value-Info	early - even	-0.35	0.19	-1.82	0.164
Value-Info	early - late	-0.70	0.20	-3.59	0.001***
Value-Info	even - late	-0.35	0.19	-1.80	0.170

Supplementary Table 8. Results from a binomial generalized mixed-effects model predicting trial-wise object recognition accuracy (correct or incorrect) in Studies 1, 7, and 8, comparing task versions. The model included random intercepts for subjects and random slopes for box type and learning trial number. \* p < .05, \*\* p < .01, \*\*\* p < .001

Fixed Effects							
Term	DF	<i>p</i> -value					
(Intercept)	2.22	1	0.136				
Object Value	3.85	1	0.0498*				
Вох Туре	5.76	2	0.056				
Task Version	43.97	2	< 0.0001***				
Learning Trial Number	12.63	1	0.0004***				
Object Value * Box Type	7.05	2	0.029*				
Object Value * Task Version	21.83	2	< 0.0001***				
Box Type * Task Version	4.76	4	0.313				
Object Value * Task Version * Box Type	4.14	4	0.388				

Object Value * Box Type Contrasts							
Object Value	Box Type	Estimate	SE	z-stat	<i>p</i> -value		
low - high	early	0.04	0.07	0.62	0.538		
low - high	even	-0.06	0.07	-0.89	0.375		
low - high	late	-0.20	0.07	-3.13	0.002**		
Object Value * Task Version Contrasts							
<b>Task Version</b>	Object Value	Estimate	SE	z-stat	<i>p</i> -value		
Original	low - high	-0.31	0.07	-4.76	< 0.0001		
Next Day	low - high	0.11	0.07	1.65	0.100		
Middle							
(Next Day)	low - high	-0.01	0.06	-0.22	0.825		
C	Object Value * Box Type * Task Version Contrasts						

Object Value \* Box Type \* Task Version Contrasts

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Task Version	Object Value	Box Type	Estimate	SE	z-stat	<i>p</i> -value
Original	low - high	early	-0.22	0.11	-1.94	0.053
Original	low - high	even	-0.31	0.12	-2.74	0.006
Original	low - high	late	-0.41	0.12	-3.54	0.0004
Next Day	low - high	early	0.33	0.11	2.92	0.004
Next Day	low - high	even	0.01	0.11	0.11	0.913
Next Day	low - high	late	-0.02	0.11	-0.22	0.829
Middle						
(Next Day)	low - high	early	0.01	0.11	0.07	0.942

Middle						
(Next Day)	low - high	even	0.13	0.11	1.15	0.250
Middle						
(Next Day)	low - high	late	-0.18	0.11	-1.61	0.108

Supplementary Table 9. Results from a binomial generalized mixed-effects model predicting trial-wise object-box association memory accuracy in Studies 1, 7, and 8, comparing task versions. The model included random intercepts for subjects and random slopes for object value, box type, and learning trial number. Note that although there is an interaction between object value and box type, these are driven by a generalized primacy effect (object-box association memory is better for the first few items in each box, regardless of box type) and a generalized reward effect (object-box association memory is better for high-value objects, regardless of box type). \* p < .05, \*\* p < .01, \*\*\* p < .001

Fixed Effects							
Term	<i>p</i> -value						
Вох Туре	0.47	2	0.791				
Object Value	0.04	1	0.862				
Task Version	70.83	2	< 0.0001***				
Learning Trial Number	2.62	1	0.105				
Box Type * Object Value	2.24	2	0.327				
Box Type * Task Version	9.49	4	0.0499*				
Object Value * Task Version	4.59	2	0.101				
Box Type * Object Value * Task Version	9.29	4	0.054				

Box Type * Object Value Contrasts							
Object Value	Вох Туре	Estimate	SE	z-stat	<i>p</i> -value		
low - high	early	-0.02	0.12	-0.16	0.871		
low - high	even	-0.09	0.11	-0.79	0.430		
low - high	late	0.14	0.11	1.28	0.202		

Box Type * Object Value * Task Version Contrasts									
Task Version	Task Version Object Value Box Type Estimate SE z-stat p-value								
Original	low - high	early	-0.39	0.14	-2.76	0.006**			
Original	low - high	even	-0.14	0.14	-1.00	0.320			
Original	low - high	late	-0.06	0.15	0.39	0.694			

Next Day	low - high	early	0.47	0.25	1.90	0.057
Next Day	low - high	even	-0.30	0.22	-1.39	0.156
Next Day	low - high	late	0.02	0.20	0.11	0.914
Middle (Next Day)	low - high	early	-0.13	0.20	-0.66	0.508
Middle (Next Day)	low - high	even	0.17	0.21	0.83	0.409
Middle (Next Day)	low - high	late	0.34	0.21	1.62	0.105

Supplementary Table 10. Results from a binomial generalized mixed-effects model predicting high-value hits (object-value association memory accuracy) in Studies 1, 7, and 8, comparing task versions. The model included random intercepts for subjects and random slopes for learning trial number. \* p < .05, \*\* p < .01, \*\*\* p < .001

Fixed Effects						
Term Wald Chisq Df p-value						
Box Type	6.03	2	0.049*			
Task Version	74.47	2	<0.0001***			
Learning Trial Number	0.69	1	0.405			
Box Type * Task Version	8.39	4	0.078			

	Box Type * Task Version Contrasts							
Вох Туре	Task Version	Estimate	SE	z-stat	<i>p</i> -value			
early - even	Original	-0.48	0.17	-2.80	0.014*			
early - late	Original	-0.71	0.17	-4.11	< 0.001***			
even - late	Original	-0.23	0.17	-1.34	0.374			
early - even	Next Day	0.24	0.25	0.97	0.595			
early - late	Next Day	0.01	0.25	0.03	1.000			
even - late	Next Day	-0.24	0.24	-0.98	0.588			
early - even	Next Day Middle Cluster	-0.28	0.26	-1.10	0.516			
early - late	Next Day Middle Cluster	-0.26	0.25	-1.05	0.543			
even - late	Next Day Middle Cluster	0.02	0.24	0.07	0.997			

Supplementary Table 11. Results from a binomial generalized mixed-effects model predicting trial-wise object recognition accuracy (correct or incorrect) in Study 9. The model included random intercepts for subjects and random slopes for box type and learning trial number.

Fixed Effects								
Term Wald Chisq DF <i>p</i> -value								
Object Value	4.63	1	0.031					
Вох Туре	6.39	2	0.041					
Learning Trial Number	9.82	1	0.002					
Object Value * Box Type	2.52	2	0.283					

Object Value * Box Type Contrasts							
Object Value Box Type Estimate SE z-stat p-value							
low - high	early	-0.15	0.06	-2.41	0.016		
low - high	even	-0.01	0.06	-0.17	0.868		
low - high	late	-0.07	0.06	-1.15	0.252		

Supplementary Table 12. Results from a binomial generalized mixed-effects model predicting trial-wise object-box association memory accuracy in Study 9. The model included random intercepts for subjects and random slopes for box type.

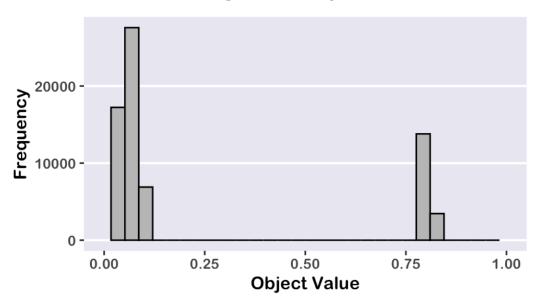
Fixed Effects							
Term	Wald Chisq	DF	<i>p</i> -value				
Вох Туре	0.66	2	0.718				
Object Value	0.02	1	0.888				
Learning Trial Number	0.05	1	0.822				
Box Type * Object Value	3.78	2	0.151				

Box Type Contrasts									
Box Type	Estimate	SE	z-stat	<i>p</i> -value					
early - even	-0.05	0.09	-0.63	0.806					
early - late	0.06	0.09	0.64	0.801					
even - late	0.11	0.09	1.25	0.422					

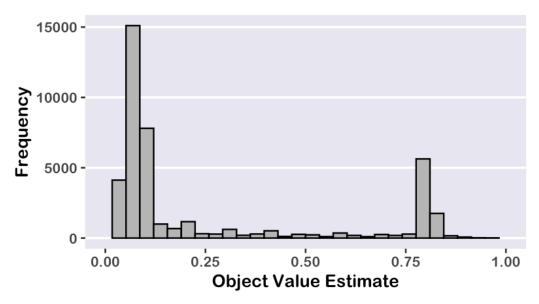
Box Type * Object Value Contrasts								
Object Value	Вох Туре	Estimate	SE	z-stat	p-value			
low - high	Early	-0.08	0.11	-0.68	0.496			
low - high	Even	-0.09	0.11	-0.80	0.427			
low - high	Late	0.19	0.12	1.64	0.101			

Supplementary Figure 1. Distributions of object values (top) and participants' estimates of the object values (bottom), combined data from Studies 1-9.

## **Histogram of Object Values**

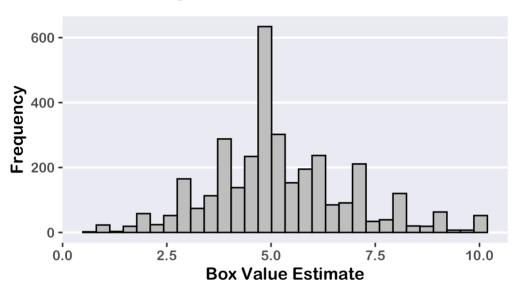


# **Histogram of Object Value Estimates**



Supplementary Figure 2. Distribution of box value estimates, combined data from Studies 1-9. Although the distribution was approximately centered on the true value of the boxes (\$5, the midpoint of the sliding scale), participants used the full range of the scale and only 14% of responses were between the range of \$4.95 and \$5.05.

## **Histogram of Box Value Estimates**



### **Supplemental Text**

### **Object-Value and Box-Value Associations**

Across Studies 1-6, we observed that participants overestimated the value of Early boxes (relative to Even and Late boxes), but were less likely to remember which objects from Early boxes were high-value. We interpreted this finding in terms of value information at the beginning of an episode being associated with the box rather than the objects. In an exploratory analysis, we investigated whether there was an inverse association between these two measures (box valuation and object-value memory); such an association would imply a within-subjects trade-off between these two processes.

Using linear regression, we predicted *object-value association memory accuracy* (i.e., proportion of "high-value hits") from *box value estimates*, *task version*, and the interaction term. This analysis was applied selectively to data from Early boxes in Studies 1-6, as we only observed significant effects for box-value and object-value measures in the same-day task versions. There was no significant association between object-value memory accuracy and box value estimation (F = 0.06, p = 0.800,  $\eta_p^2 = 0.0002$ ), nor a main effect of task version (F = 0.83, p = 0.527,  $\eta_p^2 = 0.01$ ). There was a trending interaction (F = 1.95, p = 0.085,  $\eta_p^2 = 0.03$ ), but follow-up tests did not indicate any significant effects within any task version.

### **Comparing Active and Passive Task Versions (Studies 3 and 4)**

As the task versions in Studies 3 and 4 were designed to contrast with each other (emphasizing or removing agency, respectively), we directly compared these studies on all measures. These tests are reported below; model designs and parameters are all consistent with the tests reported in the main text and in Supplementary Tables 4-7. Here, we focus on testing for differences between the Active (Study 3) and Passive (Study 4) task versions rather than reporting all effects of interest within each task version. However, all effects of interest are reported separately within each task version in preceding tables (refer to pairwise contrasts reported within Supplementary Tables 4-7).

**Box Preference:** The distributions of box preferences observed did not significantly differ between the Active and Passive task versions ( $\chi^2$  (2) = 5.16, p = 0.076, Cramér's V = 0.16, 95% CI [0.04, 0.32]). Plots for the two task versions are provided in Figure 2C and 2F.

**Box Value Estimation Error**: There was no significant difference between the Active and Passive task versions ( $F_{(1,94)} = 0.03$ , p = 0.866,  $\eta_p^2 = 0.0003$ , 95% CI [0.00, 0.03]), nor an interaction between box type and task version ( $F_{(1,188)} = 0.37$ , p = 0.692,  $\eta_p^2 = 0.12$ , 95% CI [0.04, 0.21]).

**Object Recognition**: There were no overall differences in object recognition accuracy between the Active and Passive task versions ( $\chi^2$  (1) = 1.83, p = 0.176). There was no significant interaction between object value and task version ( $\chi^2$  (1) = 0.99, p = 0.320), However, there was a significant interaction between box type and task version ( $\chi^2$  (2) = 11.28, p = 0.004). Follow-up

pairwise comparisons indicated that participants in the Passive task version tended to show better object recognition memory for objects in Even boxes ( $\beta = 0.43$ , z = 1.97, p = 0.049) and Early boxes ( $\beta = 0.42$ , z = 1.84, p = 0.066), relative to participants in the Active task. There was no difference between tasks in object memory performance for Late boxes ( $\beta = 0.04$ , z = 0.16, p = 0.869). The three-way interaction among object value, box type, and task version was not significant ( $\chi^2$  (2) = 0.25, p = 0.883).

**Object-Value Association Memory:** There was no significant difference between Active and Passive task versions for object-value association memory (correctly identifying a high-value object as high-value),  $\chi^2(1) = 0.03$ , p = 0.856. There was no interaction between box type and task version ( $\chi^2(2) = 2.49$ , p = 0.288).

**Object-Box Association Memory:** There was no significant difference between Active and Passive task versions for object-box association memory ( $\chi^2$  (1) = 1.27, p = 0.261), nor an interaction between box type and task version ( $\chi^2$  (2) = 1.15, p = 0.563) or between object value and task version ( $\chi^2$  (1) = 0.04, p = 0.842).