Derformence index	Self-pa	aced	Forced-	paced	Wilcoxon test		
	Mean	SE	Mean	SE	Z-value	<i>p</i> -value	
Overall trials							
Final winnings (Japanese yen)	-35,000	16,497	-38,485	22,507	0.617	0.537	
Numbers of maximum penalty events	3.5	0.3	3.4	0.3	0.061	0.951	
Mean entropy (bit)	1.82	0.18	1.79	0.26	0.524	0.600	
High-risk deck							
Total selectivity (%)	34.3	2.7	30.7	2.5	0.804	0.422	
Continuous selectivity (%)	16.2	2.3	15.8	2.7	0.253	0.801	
Middle-risk deck							
Total selectivity (%)	19.8	1.1	19.5	1.5	0.175	0.861	
Continuous selectivity (%)	26.8	3.0	27.0	3.8	0.170	0.865	
Low-risk deck							
Total selectivity (%)	45.9	2.6	50.0	3.0	0.751	0.453	
Continuous selectivity (%)	52.5	3.9	58.1	4.4	1.108	0.268	

Supplementary Table 1. Comparisons of global decision-making outcomes between the self- and forced-paced conditions (n = 33).

	High-risk deck								Middle-	risk deck		Low-risk deck									
Trial phase	1st (<i>n</i>	1 st (n = 32)		2nd(n=30)		3rd(n=24)		1 st (n = 32)		2nd (n = 30)		3rd(n=24)		$1 { m st} (n = 32)$		2nd (<i>n</i> = 30)		3rd(n=24)			
	Mean	SE	Mean	SE	Mean	SE															
pre	43.8	6.0	37.3	5.0	47.5	5.9	22.5	3.4	22.0	3.6	18.3	3.2	33.8	5.1	39.4	3.8	31.5	5.1			
post 1	25.6	5.0	22.0	4.5	31.7	5.6	24.4	4.1	28.7	3.9	24.2	5.0	50.0	4.7	47.7	4.5	40.8	5.9			
post 2	30.0	3.7	39.3	5.5	36.7	6.0	17.5	2.8	13.3	2.4	18.3	4.2	52.5	4.1	42.6	5.5	37.7	5.8			
Friedman test	χ^2 -value	<i>p</i> -value	χ^2 -value	<i>p</i> -value	χ^2 -value	<i>p</i> -value															
	3.11	0.211	7.22	0.027*	3.95	0.139	2.99	0.224	10.02	0.007**	1.11	0.573	9.05	0.011*	1.84	0.399	1.98	0.373			
Wilcoxon test	Z-value	<i>p</i> -value	Z-value	<i>p</i> -value	Z-value	<i>p</i> -value															
pre vs.		-	-			0 221	0.020*					1 000	0.276			2 5 4 5	0.011*				
post 1	-			2.551	0.020	-	-	-	-	1.090	0.270	-	-	2.343	0.011	-	-	-	-		
pre vs.			0 3 2 3	0 747					2 124	0.034			2 011	0.00/**							
post 2	-		0.323	0.747	-	-	-	-	2.124	0.034	-	-	2.911	0.004	-	-	-	-			

Supplementary Table 2. Comparisons of selectivity (%) of the high-, middle-, and low-risk decks between pre- and post-penalty events in the self-paced condition.

1st: the first maximum penalty event; 2nd: the second maximum penalty event; 3rd: the third maximum penalty event; pre: five trials before the penalty event; post 1: the first-half five trials after the penalty event; post 2: the second-half five trials after the penalty event; *p < 0.05; **p < 0.01

	High-risk deck								Middle-ri	sk deck		Low-risk deck											
Trial phase	1 st (n = 30)		2nd (n = 30)		3rd(n=24)		$1 { m st} (n = 30)$		2nd (n = 30)		3rd(n=24)		$1 { m st} (n = 30)$		2nd (n = 30)		3rd(n=24)						
	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE					
pre	52.7	6.2	42.7	5.7	55.8	6.1	16.0	2.8	17.3	2.7	15.0	3.0	31.3	5.2	40.0	5.0	29.2	5.2					
post 1	34.0	5.4	24.0	5.8	23.3	6.1	23.3	4.0	29.3	5.6	21.7	4.2	42.7	5.8	46.7	6.4	55.0	6.2					
post 2	32.7	4.8	36.0	4.9	30.8	5.2	16.0	3.8	18.0	3.9	15.0	3.7	51.3	5.5	42.7	5.7	51.7	6.9					
Friedman test	χ^2 -value	<i>p</i> -value	χ^2 -value	<i>p</i> -value	χ^2 -value	<i>p</i> -value	χ^2 -value	<i>p</i> -value	χ^2 -value	<i>p</i> -value	χ^2 -value	<i>p</i> -value	χ^2 -value	<i>p</i> -value	χ^2 -value	<i>p</i> -value	χ^2 -value	<i>p</i> -value					
	5.61	0.061	7.67	0.022*	11.61	0.003**	2.86	0.239	1.82	0.403	1.27	0.529	3.2	0.202	0.02	0.990	9.07	0.011*					
Wilcoxon test	Z-value	<i>p</i> -value	Z-value	<i>p</i> -value	Z-value	<i>p</i> -value	Z-value	<i>p</i> -value	Z-value	<i>p</i> -value	Z-value	<i>p</i> -value	Z-value	<i>p</i> -value	Z-value	<i>p</i> -value	Z-value	<i>p</i> -value					
pre vs.		-	-	-				2 502	0.012*	2 000	0.002**											• • • • •	0 000**
post 1	-				2.502	0.012*	3.090	0.002**	-	-	-	-	-	-	-	-	-	-	2.666	0.008**			
pre vs.			1 000	00 0.217	2 652	0 000**											2 288	0.017*					
post 2		-	1.000	0.317	2.035	0.008	-	-	-	-	-	-	-	-	-	-	2.300	0.017					

Supplementary Table 3. Comparisons of selectivity (%) of the high-, middle-, and low-risk decks between pre- and post-penalty events in the forced-paced condition.

1st: the first maximum penalty event; 2nd: the second maximum penalty event; 3rd: the third maximum penalty event; pre: five trials before the penalty event; post 1: the first-half five trials after the penalty event; post2: the second-half five trials after the penalty event; *p < 0.05; **p < 0.01

Supplementary Figure 1. Cumulative histogram of dummy *p*-values in the permutation regression analyses for the model with the independent variable STAI-T for the numbers of maximum penalty events (n = 100,000). Cumulative frequencies of dummy *p*-values gradually increase from zero to one in the horizonal *p*-value axis. The actual *p*-value of the significant model was p = 0.049 in the self-paced condition. The values was within the lower 5% of the distribution (p < 0.0506) and was certified as significance-corrected for multiple testing.

