



Corrigendum: Past Gaming Experience and Cognition as Selective Predictors of Novel Game Learning Across Different Gaming Genres

OPEN ACCESS

Evan T. Smith, Bhargavi Bhaskar, Alex Hinerman and Chandramallika Basak*

Edited and reviewed by:

Mark J. Campbell, University of Limerick, Ireland

*Correspondence:

Chandramallika Basak cbasak@utdallas.edu

Specialty section:

This article was submitted to Cognition, a section of the journal Frontiers in Psychology

Received: 29 March 2021 Accepted: 31 March 2021 Published: 10 May 2021

Citation:

Smith ET, Bhaskar B, Hinerman A and Basak C (2021) Corrigendum: Past Gaming Experience and Cognition as Selective Predictors of Novel Game Learning Across Different Gaming Genres. Front. Psychol. 12:687696. doi: 10.3389/fpsyg.2021.687696

Center for Vital Longevity, The University of Texas at Dallas, Dallas, TX, United States

1

Keywords: video games, genres, learning, life span, working memory, gaming habits

A Corrigendum on

Past Gaming Experience and Cognition as Selective Predictors of Novel Game Learning Across Different Gaming Genres

by Smith, E. T., Bhaskar, B., Hinerman, A., and Basak, C. (2020). Front. Psychol. 11:786. doi: 10.3389/fpsyg.2020.00786

In the original article, the analyses reported in **Tables 3**, **4**, and **5** were erroneously run on an incomplete dataset (n = 90). The revised analyses utilizing the entire dataset for this study (n = 107) are presented in the revised **Tables 3**, **4**, and **5**, as presented below. The pattern of results does not differ between our originally reported statistics and those presented here.

The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

Copyright © 2021 Smith, Bhaskar, Hinerman and Basak. This is an open-access article distributed under the terms of the Creative Commons Attribution License (CC BY). The use, distribution or reproduction in other forums is permitted, provided the original author(s) and the copyright owner(s) are credited and that the original publication in this journal is cited, in accordance with accepted academic practice. No use, distribution or reproduction is permitted which does not comply with these terms.

TABLE 3 | Results of stepwise regression across 3 steps.

		Action	LC Models			Strategy LC Models				
Model	R ²	ΔR^2	F	р	Model	R ²	ΔR^2	F	р	
1) Age + Gender	0.57	_	69.3	<0.01	1) Age + Gender	0.53	_	58.82	<0.01	
2) + Identification	0.73	0.15	90.89	<0.01	2) + Duration	0.62	0.09	56.66	<0.01	
3) + Duration	0.75	0.02	74.6	<0.01	3) + BSpan	0.64	0.02	45.45	<0.01	

Factors		Regression Model 1	from Step 3		Regression Model from Step 3			
	β	t	р	Factors	β	t	р	
Age	-0.03	-10.9	<0.01	Age	-0.03	-9.13	<0.01	
Gender	-0.12	-1.25	0.2	Gender	0.02	0.15	0.89	
Identification	0.19	3.47	<0.01	Duration	0.19	4.8	<0.01	
Duration	0.13	2.79	0.01	BSpan	0.12	2.25	0.03	

Details of final regression model from step 3 are provided. Bold values indicate p < 0.05.

TABLE 4 | Results from follow-up regression models, after controlling for opposite game learning.

	Action LC Models				Strategy LC Models				
Model	R ²	ΔR^2	F	р	Model	R ²	ΔR^2	F	р
1) Age + Gender	0.57	-	69.3	<0.01	1) Age + Gender	0.53	-	58.82	<0.01
2) + Strategy LC	0.68	0.11	73.36	<0.01	2) + Action LC	0.65	0.12	64.06	<0.01
3) + Add. Predictors	0.78	0.10	69.55	<0.01	3) + Add. Predictors	0.68	0.03	42.3	<0.01

Factors		Regression Model	from Step 3		Regression Model from Step 3				
	β	t	р	Factors	β	t	р		
Age	-0.02	-5.95	<0.01	Age	-0.02	-4.23	<0.01		
Gender	-0.12	-1.35	0.18	Gender	0.06	0.56	0.58		
Strategy LC	0.28	3.65	<0.01	Tank LC	0.37	3.36	<0.01		
Identification	0.18	3.45	<0.01	Duration	0.10	2.22	0.03		
Duration	0.08	1.78	0.08	BSpan	0.09	1.77	0.08		

Additional predictors in Step 3 were significant predictors from the previous step-wise regressions described in **Table 3**. Bold values indicate p < 0.05; Italicized values indicate p < 0.10.

TABLE 5 | Results of moderator analyses.

	Action LC Models				Strategy LC Models				
Model	R ²	ΔR^2	F	р	Model	R ²	ΔR^2	F	р
1) Gender	0.01	_	1.2	0.28	1) Gender	0.01	_	0.09	0.77
2) + Age & Add. Preds.	0.75	0.74	74.59	<0.01	2) + Age & Add. Preds.	0.64	0.63	45.45	<0.01
3) + Moderators	0.76	0.01	51.34	<0.01	3) + Moderators	0.65	0.01	30.36	<0.01

Factors	ı	Regression Model	from Step 3		Regression Model from Step 3			
	β	t	р	Factors	β	t	р	
Gender	-0.11	-1.12	0.27	Gender	0.02	0.18	0.85	
Age	-0.03	-9.17	<0.01	Age	-0.02	-6.34	<0.01	
Identification	0.19	3.48	<0.01	Duration	0.21	4.82	<0.01	
Duration	0.15	2.98	<0.01	BSpan	0.13	2.48	0.02	
Age * Identification	-0.14	-1.89	0.09	Age * Duration	0.09	1.07	0.29	
Age * Duration	0.16	1.74	0.06	Age * BSpan	0.04	0.69	0.49	

Bold values indicate p < 0.05; Italicized values indicate p < 0.10.