Erratum to: The Role of General and Subject-specific Language Skills when Learning Mathematics in Elementary School

Stefan Ufer · Katrin Bochnik

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Because of an error during typesetting, wrong significance indicators were used in Tables 2, 3, 4, 5, and 6 of the initially published version of the manuscript. There, the symbols “*: $p < 0.10$, **: $p < 0.05$, ***: $p < 0.01$, ****: $p < 0.001$ ” were used, while the symbols “†: $p < 0.10$, *: $p < 0.05$, **: $p < 0.01$, ***: $p < 0.001$ ” would have been correct. The corrected Tables 2, 3, 4, 5, and 6 are given below. The original article has been corrected.

The online version of the original article can be found under <https://doi.org/10.1007/s13138-020-00160-5>.

S. Ufer (✉) · K. Bochnik
Mathematisches Institut, Ludwig-Maximilians-Universität, Theresienstraße 39, 80333 München, Germany
E-Mail: ufer@math.lmu.de

Table 2 Regression models for the dependent variable *overall mathematics score (T2)*

Independent variable	Model 0			Model 1			Model 2			Model 3a			Model 3b		
	Baseline model			General language skills			Subject-specific language skills			Mathematical vocabulary			Mathematical text comprehension		
	β	SE	p	β	SE	p	β	SE	p	β	SE	p	β	SE	p
Overall mathematics score (T1)	0.74	0.03	<0.001***	0.68	0.03	<0.001***	0.64	0.03	<0.001***	0.64	0.03	<0.001***	0.62	0.04	<0.001***
Language spoken at home (GE)	0.02	0.04	0.59	-0.01	0.04	0.75	0.00	0.04	0.93	0.00	0.04	0.93	-0.01	0.04	0.83
Cultural capital	0.10	0.04	0.01*	0.07	0.04	0.09 ^t	0.08	0.04	0.08 ^t	0.07	0.04	0.08 ^t	0.08	0.04	0.05 ^t
General cognitive skills	0.07	0.04	0.07 ^t	0.06	0.04	0.16	0.05	0.05	0.26	0.05	0.05	0.25	0.05	0.05	0.30
General language skills	-	-	-	0.15	0.04	<0.001***	0.13	0.04	<0.01**	0.14	0.04	<0.01**	0.13	0.04	<0.01***
<i>Subject-specific language skills</i>															
Overall score	-	-	-	-	-	-	0.10	0.05	0.046*	-	-	-	-	-	-
Mathematical vocabulary	-	-	-	-	-	-	-	-	-	0.09	0.05	0.05 ^t	-	-	-
Math. text comprehension	-	-	-	-	-	-	-	-	-	-	-	-	0.11	0.05	0.03*
R ²	0.70	0.03	-	0.71	0.03	-	0.72	0.03	-	0.72	0.03	-	0.72	0.03	-

 β standardized regression coefficient, SE standard error of β * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 3 Regression models for the dependent variable *schematic skills (T2)*

Independent variable	Model 0.S			Model 1.S			Model 2.S			Model 3a.S			Model 3b.S		
	β	SE	p	β	SE	p	β	SE	p	β	SE	p	β	SE	p
Schematic skills (T1)	0.51	0.08	<0.001***	0.46	0.09	<0.001***	0.45	0.08	<0.001***	0.45	0.08	<0.001***	0.44	0.09	<0.001***
Language spoken at home (GE)	-0.02	0.04	0.74	-0.06	0.05	0.20	-0.04	0.05	0.40	-0.04	0.05	0.40	-0.05	0.05	0.28
Cultural capital	0.08	0.05	0.07 ^t	0.05	0.04	0.24	0.04	0.04	0.27	0.04	0.04	0.28	0.05	0.04	0.18
General cognitive skills	0.16	0.06	<0.01**	0.12	0.05	0.01*	0.08	0.05	0.13	0.08	0.05	0.11	0.08	0.05	0.13
General language skills	-	-	-	0.17	0.06	<0.01**	0.10	0.07	0.15	0.11	0.07	0.13	0.09	0.07	0.17
<i>Subject-specific language skills</i>															
Overall score	-	-	-	-	-	-	0.19	0.07	<0.01**	-	-	-	-	-	-
Mathematical vocabulary	-	-	-	-	-	-	-	-	-	0.18	0.07	<0.01**	-	-	-
Math. text comprehension	-	-	-	-	-	-	-	-	-	-	-	-	0.19	0.06	<0.01**
R ²	0.38	0.07	-	0.40	0.07	-	0.42	0.07	-	0.42	0.07	-	0.42	0.07	-

 β standardized regression coefficient, SE standard error of β ^t $p < 0.10$, * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 4 Regression models for the dependent variable *problem solving with concept properties (T2)*

Independent variable	Model 0.P			Model 1.P			Model 2.P			Model 3a.P			Model 3b.P		
	β	SE	p	β	SE	p	β	SE	p	β	SE	p	β	SE	p
Problem solving (T1)	0.52	0.07	<0.001***	0.50	0.08	<0.001***	0.50	0.07	<0.001***	0.49	0.07	<0.001***	0.48	0.08	<0.001***
Language spoken at home (GE)	0.03	0.05	0.56	0.01	0.05	0.81	0.02	0.05	0.75	0.02	0.05	0.76	0.01	0.05	0.77
Cultural capital	0.16	0.05	<0.01**	0.15	0.06	<0.01**	0.15	0.06	<0.01**	0.15	0.06	<0.01**	0.15	0.05	<0.01**
General cognitive skills	0.21	0.06	<0.001***	0.20	0.06	<0.01**	0.19	0.07	<0.01**	0.19	0.07	<0.01**	0.19	0.07	<0.01**
General language skills	–	–	–	0.06	0.09	0.48	0.06	0.10	0.56	0.06	0.10	0.55	0.05	0.09	0.61
<i>Subject-specific language skills</i>															
Overall score	–	–	–	–	–	–	0.03	0.06	0.58	–	–	–	–	–	–
Mathematical vocabulary	–	–	–	–	–	–	–	–	–	0.04	0.06	0.54	–	–	–
Math. text comprehension	–	–	–	–	–	–	–	–	–	–	–	–	0.05	0.08	0.50
R ²	0.53	0.05	–	0.53	0.05	–	0.53	0.05	–	0.53	0.05	–	0.53	0.05	–

 β standardized regression coefficient, SE standard error of β * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 5 Regression models for the dependent variable *using concepts (T2)*

Independent variable	Model 0.U Baseline model			Model 1.U General language skills			Model 2.U Subject-specific language skills			Model 3a.U Mathematical vocabulary			Model 3b.U Mathematical text comprehension		
	β	SE	p	β	SE	p	β	SE	p	β	SE	p	β	SE	p
Using concepts (T1)	0.55	0.05	<0.001***	0.44	0.06	<0.001***	0.40	0.06	<0.001***	0.41	0.06	<0.001***	0.38	0.07	<0.001***
Language spoken at home (GE)	0.08	0.05	0.13	-0.01	0.05	0.89	0.01	0.05	0.90	0.01	0.05	0.90	-0.01	0.05	0.92
Cultural capital	0.14	0.03	<0.001***	0.09	0.03	<0.01**	0.09	0.03	<0.01**	0.09	0.03	<0.01**	0.10	0.03	<0.01**
General cognitive skills	0.13	0.04	0.001**	0.09	0.05	0.05 ^t	0.06	0.05	0.24	0.06	0.05	0.21	0.05	0.05	0.31
General language skills	-	-	-	0.30	0.06	<0.001***	0.25	0.06	<0.001***	0.26	0.06	<0.001***	0.23	0.06	<0.001***
<i>Subject-specific language skills</i>															
Overall score	-	-	-	-	-	-	0.17	0.06	<0.01**	-	-	-	-	-	-
Mathematical vocabulary	-	-	-	-	-	-	-	-	-	0.16	0.06	<0.01**	-	-	-
Math. text comprehension	-	-	-	-	-	-	-	-	-	-	-	-	0.19	0.07	<0.01**
R ²	0.50	0.05	-	0.55	0.04	-	0.57	0.04	-	0.57	0.04	-	0.57	0.04	-

 β standardized regression coefficient, SE standard error of β ^t $p < 0.10$, * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 6 Regression models for the dependent variable *representing concepts (T2)*

Independent variable	Model 0.R Baseline model			Model 1.R General language skills			Model 2.R Subject-specific language skills			Model 3a.R Mathematical vocabulary			Model 3b.R Mathematical text comprehension		
	β	SE	p	β	SE	p	β	SE	p	β	SE	p	β	SE	p
Representing concepts (T1)	0.45	0.07	<0.001***	0.38	0.07	<0.001***	0.33	0.07	<0.001***	0.33	0.07	<0.001***	0.32	0.07	<0.001***
Language spoken at home (GE)	0.11	0.07	0.12	0.03	0.07	0.71	0.04	0.07	0.56	0.04	0.07	0.57	0.03	0.07	0.66
Cultural capital	0.11	0.05	0.03*	0.04	0.06	0.49	0.04	0.06	0.50	0.04	0.06	0.50	0.05	0.07	0.43
General cognitive skills	0.13	0.05	0.01*	0.07	0.06	0.24	0.05	0.06	0.38	0.05	0.06	0.36	0.03	0.06	0.60
General language skills	–	–	–	0.29	0.06	<0.001***	0.25	0.06	<0.001***	0.26	0.06	<0.001***	0.22	0.05	<0.001***
<i>Subject-specific language skills</i>															
Overall score	–	–	–	–	–	–	0.14	0.05	<0.01**	–	–	–	–	–	–
Mathematical vocabulary	–	–	–	–	–	–	–	–	–	0.14	0.05	<0.01**	–	–	–
Math. text comprehension	–	–	–	–	–	–	–	–	–	–	–	–	0.21	0.05	<0.001***
R ²	0.36	0.06	–	0.41	0.06	–	0.42	0.06	–	0.42	0.06	–	0.43	0.06	–

 β standardized regression coefficient, SE standard error of β * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$