

## Erratum to: Emotional Dynamics in the Development of Early Adolescent Psychopathology: A One-Year Longitudinal Study

Anna Neumann · Pol A. C. van Lier · Tom Frijns ·  
Wim Meeus · Hans M. Koot

Published online: 28 May 2011  
© Springer Science+Business Media, LLC 2011

**Erratum to: J Abnorm Child Psychol (2011) 39:657–669**  
**DOI 10.1007/s10802-011-9509-3**

The original version of this article unfortunately contained errors on Tables 3–5. Please refer to the next page for the corrected Tables 3, 4 and 5.

---

The online version of the original article can be found at <http://dx.doi.org/10.1007/s10802-011-9509-3>.

---

A. Neumann · P. A. C. van Lier · H. M. Koot  
Department of Developmental Psychology, VU University,  
Amsterdam, the Netherlands

P. A. C. van Lier  
e-mail: [pac.van.lier@psy.vu.nl](mailto:pac.van.lier@psy.vu.nl)

H. M. Koot  
e-mail: [jm.koot@psy.vu.nl](mailto:jm.koot@psy.vu.nl)

A. Neumann (✉)  
Department of Developmental Psychology,  
University of Wuppertal,  
Gaußstrasse 20,  
42119 Wuppertal, Germany  
e-mail: [neumann@uni-wuppertal.de](mailto:neumann@uni-wuppertal.de)

T. Frijns · W. Meeus  
Research Centre Adolescent Development, Utrecht University,  
Utrecht, the Netherlands

T. Frijns  
e-mail: [t.frijns@uu.nl](mailto:t.frijns@uu.nl)

W. Meeus  
e-mail: [w.meeus@uu.nl](mailto:w.meeus@uu.nl)

**Table 3** The role of the levels of discrete emotions in the 1 year development of anxiety, depression, and aggressive behavior

PP	Emotion	Direct effects									Indirect effect		
		PP T1 → PP T5			PP T1 → EL			EL → PP T5			PP T1 → EL → PP T5		
		B	SE	β	B	SE	β	B	SE	β	B	SE	B
Anxiety T5	Happy	0.50	0.05	0.49**	-0.29	0.04	-0.38**	-0.23	0.06	-0.17**	0.07	0.02	0.06**
	Angry	0.55	0.05	0.53**	0.20	0.04	0.30**	0.10	0.07	0.07	0.02	0.01	0.02
	Anxious	0.48	0.05	0.47**	0.28	0.04	0.41**	0.30	0.08	0.20**	0.08	0.02	0.08**
	Sad	0.52	0.05	0.51**	0.22	0.04	0.36**	0.21	0.09	0.12*	0.05	0.02	0.05*
Depression T5	Happy	0.42	0.06	0.42**	-0.13	0.02	-0.41**	-0.84	0.16	-0.27**	0.11	0.02	0.11**
	Angry	0.44	0.06	0.44**	0.12	0.02	0.42**	0.72	0.20	0.21**	0.09	0.02	0.09**
	Anxious	0.38	0.06	0.38**	0.14	0.02	0.49**	1.03	0.21	0.29**	0.14	0.03	0.14**
	Sad	0.41	0.06	0.40**	0.12	0.02	0.46**	1.05	0.25	0.27**	0.12	0.03	0.12**
Aggressive Beh T5	Happy	0.68	0.05	0.62***	-0.21	0.04	-0.30**	-0.14	0.07	-0.09	0.03	0.02	0.03
	Angry	0.64	0.05	0.58***	0.24	0.04	0.37**	0.29	0.10	0.17**	0.07	0.03	0.06***
	Anxious	0.66	0.05	0.59***	0.21	0.04	0.34**	0.27	0.08	0.16**	0.06	0.02	0.05***
	Sad	0.68	0.05	0.60***	0.18	0.03	0.31**	0.25	0.10	0.13*	0.05	0.02	0.04*

PP Psychopathology. T1 Annual home assessment age 13. T5 Annual home assessment age 14. EL Emotion Level. Beh Behavior. \* $p < 0.05$ . \*\* $p < 0.01$ . \*\*\* $p < 0.001$ .

**Table 4** The role of the variability of discrete emotions in the 1 year development of anxiety, depression, and aggressive behavior

PP	Emotion	Direct effects									Indirect effect		
		PP T1 → PP T5			PP T1 → EV			EV → PP T5			PP T1 → EV → PP T5		
		B	SE	β	B	SE	β	B	SE	β	B	SE	B
Anxiety T5	Happy	0.51	0.05	0.50***	0.30	0.06	0.24***	0.17	0.04	0.20***	0.05	0.02	0.05**
	Angry	0.53	0.05	0.51***	0.33	0.06	0.26***	0.11	0.04	0.14**	0.04	0.02	0.04*
	Anxious	0.52	0.05	0.50***	0.27	0.05	0.25***	0.18	0.05	0.19***	0.05	0.02	0.05**
	Sad	0.51	0.05	0.50***	0.36	0.08	0.29***	0.14	0.05	0.18**	0.05	0.02	0.05*
Depression T5	Happy	0.49	0.05	0.48***	0.11	0.03	0.21***	0.38	0.10	0.20***	0.04	0.02	0.04**
	Angry	0.48	0.05	0.48***	0.15	0.03	0.29***	0.31	0.11	0.17**	0.05	0.02	0.05**
	Anxious	0.48	0.05	0.48***	0.14	0.02	0.31***	0.35	0.12	0.16**	0.05	0.02	0.05*
	Sad	0.47	0.05	0.46***	0.16	0.03	0.30***	0.40	0.11	0.21***	0.06	0.02	0.06**
Aggressive Beh T5	Happy	0.71	0.05	0.64***	0.24	0.06	0.20***	0.02	0.06	0.02	0.01	0.01	0.00
	Angry	0.68	0.05	0.61***	0.37	0.06	0.31***	0.10	0.04	0.11*	0.04	0.02	0.03*
	Anxious	0.67	0.05	0.61***	0.27	0.05	0.27***	0.15	0.05	0.14**	0.04	0.01	0.04**
	Sad	0.69	0.05	0.63***	0.33	0.07	0.27***	0.06	0.05	0.06	0.02	0.02	0.02

PP Psychopathology. T1 Annual home assessment age 13. T5 Annual home assessment age 14. EV Emotional Variability. Beh Behavior. \* $p < 0.05$ . \*\* $p < 0.01$ . \*\*\* $p < 0.001$ .

**Table 5** Estimates of models testing for the role of emotional variability and level in the development of adolescent psychopathology

PP	Emotion	Direct effects						Indirect effect														
		PP T1 → PP T5			PP T1 → EV (EL)			EV (EL) → PP T5			PP T1 → EV (EL) → PP T5											
		B	SE	β	B	SE	β	B	SE	β	B	SE	β									
Anxiety T5	Happy	0.49	0.05	0.48**	0.29	(-0.29)	0.06	(0.04)	0.24**	(-0.38**)	0.13	(-0.11)	0.05	(0.07)	0.16**	(-0.08)	0.04	(0.03)	0.02	(0.02)	0.04*	(0.03)
	Angry	0.53	0.05	0.52**	0.33	(0.20)	0.06	(0.04)	0.26**	(0.30**)	0.12	(-0.03)	0.05	(0.08)	0.15*	(-0.02)	0.04	(-0.01)	0.02	(0.02)	0.04*	(-0.01)
	Anxious	0.48	0.05	0.47**	0.27	(0.28)	0.06	(0.04)	0.25**	(0.41)	0.12	(0.18)	0.06	(0.10)	0.13*	(0.12)	0.03	(0.05)	0.02	(0.03)	0.03	(0.05)
Depression T5	Sad	0.51	0.05	0.50**	0.36	(0.22)	0.08	(0.04)	0.29**	(0.36**)	0.13	(0.05)	0.06	(0.10)	0.16*	(0.03)	0.05	(0.01)	0.02	(0.02)	0.05*	(0.01)
	Happy	0.42	0.05	0.42**	0.11	(-0.13)	0.03	(0.02)	0.21**	(-0.41**)	0.17	(-0.68)	0.12	(0.20)	0.09	(-0.21**)	0.02	(0.09)	0.02	(0.03)	0.02	(0.09**)
	Angry	0.44	0.06	0.44**	0.15	(0.12)	0.03	(0.02)	0.29**	(0.42**)	0.18	(0.54)	0.13	(0.25)	0.09	(0.15*)	0.03	(0.07)	0.02	(0.03)	0.03	(0.07*)
Aggressive Beh T5	Anxious	0.38	0.06	0.38**	0.14	(0.14)	0.02	(0.02)	0.31**	(0.49**)	0.02	(1.01)	0.15	(0.27)	0.01	(0.29**)	0.00	(0.14)	0.02	(0.04)	0.00	(0.14**)
	Sad	0.40	0.06	0.40**	0.16	(0.12)	0.03	(0.02)	0.30**	(0.46**)	0.20	(0.80)	0.13	(0.31)	0.10	(0.20**)	0.03	(0.09)	0.02	(0.04)	0.03	(0.09**)
	Angry	0.64	0.05	0.58**	0.37	(0.24)	0.06	(0.04)	0.31**	(0.37**)	0.05	(0.25)	0.06	(0.12)	0.04	(0.15*)	0.01	(0.06)	0.02	(0.03)	0.01	(0.06*)
Anxiety T5	Anxious	0.65	0.05	0.59**	0.28	(0.22)	0.05	(0.04)	0.27**	(0.34**)	0.08	(0.20)	0.06	(0.11)	0.07	(0.11)	0.02	(0.04)	0.02	(0.03)	0.02	(0.04)
	Sad	0.67	0.05	0.61**	0.33	(0.18)	0.07	(0.03)	0.27**	(0.31**)	-0.02	(0.28)	0.04	(0.12)	-0.02	(0.15*)	-0.01	(0.05)	0.02	(0.03)	0.00	(0.01*)

T1 Annual home assessment at age 13. T5 Annual home assessment at age 14. PP Psychopathology. EV Emotional Variability. EL Emotion Level. Beh Behavior. \*p<0.01. \*\* p<0.001.