

ERRATA

Doing Statistical Mediation and Moderation
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An error was made in Table 6.12, p. 238. The two main effect variables (“rum soc”) were mistakenly omitted from the Mplus code for the latent variable moderation.

The corrected syntax is presented below, with the correction **highlighted**.

TABLE 6.12. Mplus Syntax to Use the Xwith Function to Test for Latent Variable Moderation

INPUT INSTRUCTIONS

```
TITLE: Latent moderation
DATA: FILE IS
latent.dat;
FORMAT IS 7F8.2;
VARIABLE: NAMES ARE
rumina
ruminb
ruminc
socanxa
socanxb
socanxc
dep;
```

USEVARIABLES ARE

```
rumina
ruminb
ruminc
socanxa
socanxb
socanxc
dep;
```

ANALYSIS:

```
type = random;
algorithm = integration;
```

MODEL:

```
rum by rumina ruminb ruminc;
soc by socanxa socanxb socanxc;
rumxsoc | rum xwith soc;
dep on rum soc rumxsoc;
```

```
OUTPUT: SAMPSTAT tech1 tech8;
```

If this corrected syntax is used with the relevant dataset provided on the book's companion website (<http://www.guilford.com/companion-site/Doing-Statistical-Mediation-and-Moderation>), the result is a nonsignificant moderation (not the “significant moderation” referred to on p. 240).

The updated and corrected Mplus output follows, which replaces Table 6.13 on p. 239. The highlighted area shows that the interaction term is actually statistically nonsignificant ($p = .294$).

TABLE 6.13. Mplus Outputs for the Latent Variable Moderation Analysis

SAMPLE STATISTICS					
Means					
RUMINA	RUMINB	RUMINC	SOCANXA	SOCANXB	
-0.001	-0.004	-0.003	0.001	-0.002	
Means					
SOCANXC	DEP				
-0.001	2.855				
MODEL RESULTS					
		Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
RUM	BY				
	RUMINA	1.000	0.000	999.000	999.000
	RUMINB	1.394	0.067	20.907	0.000
	RUMINC	1.377	0.077	17.995	0.000
SOC	BY				
	SOCANXA	1.000	0.000	999.000	999.000
	SOCANXB	0.988	0.032	30.501	0.000
	SOCANXC	1.033	0.038	27.489	0.000
DEP	ON				
	RUM	0.921	0.135	6.822	0.000
	SOC	0.445	0.099	4.508	0.000
	RUMXSOC	0.137	0.131	1.049	0.294
SOC	WITH				
	RUM	0.164	0.018	9.201	0.000
Intercepts					
	RUMINA	-0.001	0.026	-0.019	0.985
	RUMINB	-0.003	0.032	-0.097	0.923
	RUMINC	-0.002	0.032	-0.057	0.955
	SOCANXA	0.002	0.028	0.065	0.948
	SOCANXB	-0.001	0.028	-0.043	0.966
	SOCANXC	-0.001	0.030	-0.028	0.977
	DEP	2.833	0.055	51.399	0.000
Variances					
	RUM	0.241	0.025	9.743	0.000
	SOC	0.370	0.029	12.778	0.000

It should also be obvious that Figure 6.14 is incorrect because of this error, and the figure should be ignored.