

Anhang

A. Varianzanalysen

Für die multivariaten Signifikanztests wurde *Pillais Trace* als robuste Statistik verwendet. Die Quadratsummen wurden unter Berücksichtigung aller anderen Effekte gebildet, was zu einer konservativen Schätzung der Effektstärken führt. Für die univariaten Varianzanalysen wurden die Symmetriebedingungen als erfüllt angenommen.

Selbstwirksamkeits- und Leistungsentwicklung

Tabelle A.1
ANOVA mit Meßwiederholung

Quelle	AV	SS	df	F	p	ϵ^2
MZP	WIRKSCHUL	2.103	2	12.333	.000	.014
	WIRKSOZ	2.017	2	11.190	.000	.013
	WIRKALL	4.375	2	28.744	.000	.032
	LEIST	10.366	2	25.070	.000	.028
MZP * SEX	WIRKSCHUL	0.015	2	.090	.914	.000
	WIRKSOZ	0.171	2	.948	.388	.001
	WIRKALL	0.030	2	.194	.824	.000
	LEIST	0.225	2	.544	.580	.001
MZP * KOHORTE	WIRKSCHUL	0.941	2	5.517	.004	.006
	WIRKSOZ	0.197	2	1.092	.336	.001
	WIRKALL	0.580	2	3.814	.022	.004
	LEIST	5.700	2	13.786	.000	.016
MZP * SEX * KOHORTE	WIRKSCHUL	0.039	2	.226	.798	.000
	WIRKSOZ	0.043	2	.240	.786	.000
	WIRKALL	0.169	2	1.111	.329	.001
	LEIST	1.933	2	4.675	.009	.005
Error(MZP)	WIRKSCHUL	146.989	1724			
	WIRKSOZ	155.418	1724			
	WIRKALL	131.192	1724			
	LEIST	356.415	1724			

Anmerkungen. WIRKSCHUL: schulische Selbstwirksamkeitserwartung, WIRKSOZ: soziale Selbstwirksamkeitserwartung, WIRKALL: allgemeine Selbstwirksamkeitserwartung, LEIST: Schulnotenindex; MZP: Meßwiederholungsfaktor; SEX: Geschlechtszugehörigkeit; KOHORTE: Kohortenzugehörigkeit.

Tabelle A.2
*MANOVA mit Meßwiederholung. Schulische, soziale und allgemeine
 Selbstwirksamkeitserwartung sowie Schulleistung als abhängige Variablen*

Effekt	<i>Pillais Trace</i>	<i>F</i>	<i>df</i> _{Hypoth.}	<i>df</i> _{Error}	<i>p</i>	ϵ^2
MZP	.110	13.178	8	855	.000	.110
MZP * SEX	.005	.524	8	855	.839	.005
MZP * KOHORTE	.034	3.765	8	855	.000	.034
MZP * SEX * KOHORTE	.017	1.797	8	855	.074	.017

Anmerkungen. MZP: Meßwiederholungsfaktor; SEX: Geschlecht; KOHORTE: Kohortenzugehörigkeit.

Ost-West-Unterschiede

Tabelle A.3
*Kovarianzanalyse mit Mastery-Klima als
 abhängige Variable und Schulgröße als Kovariate*

<i>Quelle</i>	<i>SS</i>	<i>df</i>	<i>F</i>	<i>p</i>	ϵ^2
Corrected Model	5.743	4	7.263	.000	.032
Intercept	931.144	1	4710.563	.000	.842
GROESSE	1.586	1	8.022	.005	.009
LAGE	3.662	1	18.528	.000	.021
ALTER	0.001	1	.003	.959	.000
LAGE * ALTER	1.758	1	8.891	.003	.010
Error	174.544	883			
Total	7125.169	888			
Corrected Total	180.287	887			

Anmerkungen. LAGE: Lage der Schule (Ost / West); ALTER: Alter des Kollegiums (jünger / älter); GROESSE: Größe der Schule (Kovariate).

Klimaentwicklung

Tabelle A.4
*MANOVA mit Meßwiederholung.
 Mastery-Klima und Anforderungsniveau als abhängige Variablen*

Effekt	<i>Pillais Trace</i>	<i>F</i>	<i>df</i> _{Hypoth.}	<i>df</i> _{Error}	<i>p</i>	ϵ^2
MZP	.058	12.897	4.000	833	.000	.058
MZP * SEX	.014	2.913	4.000	833	.021	.014
MZP * KOHORTE	.009	1.842	4.000	833	.119	.009
MZP * SEX * KOHORTE	.004	.854	4.000	833	.491	.004

Anmerkungen. MZP: Meßwiederholungsfaktor; SEX: Geschlechtszugehörigkeit; KOHORTE: Kohortenzugehörigkeit.

Tabelle A.5
ANOVA mit Meßwiederholung

<i>Quelle</i>	<i>AV</i>	<i>SS</i>	<i>df</i>	<i>F</i>	<i>p</i>	ϵ^2
MZP	MC	5.818	2	28.028	.000	.032
	AN	0.257	2	0.834	.435	.001
MZP * SEX	MC	0.679	2	3.271	.038	.004
	AN	0.530	2	1.715	.180	.002
MZP * KOHORTE	MC	0.475	2	2.289	.102	.003
	AN	0.239	2	0.774	.461	.001
MZP * SEX * KOHORTE	MC	0.219	2	1.054	.349	.001
	AN	0.159	2	0.514	.598	.001
Error(MZP)	MC	173.531	1672			
	AN	258.163	1672			

Anmerkungen. MC: Mastery-Klima; AN: Anforderungsniveau; MZP: Meßwiederholungsfaktor; SEX: Geschlechtszugehörigkeit; KOHORTE: Kohortenzugehörigkeit.

Tabelle A.6
Polynomial Kontraste für den Meßwiederholungsfaktor

<i>Quelle</i>	<i>AV</i>	<i>Kontrast</i>	<i>SS</i>	<i>df</i>	<i>F</i>	<i>p</i>	ϵ^2
MZP	MC	linear	5.791	1	48.779	.000	.055
		quadratisch	0.027	1	0.303	.582	.000
	AN	linear	0.072	1	0.427	.513	.001
		quadratisch	0.186	1	1.316	.252	.002
Error	MC	linear	99.250	836			
		quadratisch	74.280	836			
	AN	linear	140.146	836			
		quadratisch	118.017	836			

Anmerkungen. MC: Mastery-Klima; AN: Anforderungsniveau.

B. LISREL-Lösungen

Modell A2 Dynamische Entwicklung von Mastery-Klima, Unterrichtszufriedenheit und Leistungsdruck

COMPLETELY STANDARDIZED SOLUTION

LAMBDA-Y

	MASTERY1	LDRU1	UZUF1	MASTERY2	LDRU2	UZUF2
fuers1	0.85	- -	- -	- -	- -	- -
ldru1	- -	1.00	- -	- -	- -	- -
zuf1	- -	- -	1.00	- -	- -	- -
sozk1	0.49	- -	- -	- -	- -	- -
splbe1	0.63	- -	- -	- -	- -	- -
fuers2	- -	- -	- -	0.80	- -	- -
ldru2	- -	- -	- -	- -	1.00	- -
zuf2	- -	- -	- -	- -	- -	1.00
sozk2	- -	- -	- -	0.35	- -	- -
splbe2	- -	- -	- -	0.55	- -	- -
fuers3	- -	- -	- -	- -	- -	- -
ldru3	- -	- -	- -	- -	- -	- -
zuf3	- -	- -	- -	- -	- -	- -
sozk3	- -	- -	- -	- -	- -	- -
ysplbe3	- -	- -	- -	- -	- -	- -

LAMBDA-Y

	MASTERY3	LDRU3	UZUF3
fuers1	- -	- -	- -
ldru1	- -	- -	- -
zuf1	- -	- -	- -
sozk1	- -	- -	- -
splbe1	- -	- -	- -
fuers2	- -	- -	- -
ldru2	- -	- -	- -
zuf2	- -	- -	- -
sozk2	- -	- -	- -
splbe2	- -	- -	- -
fuers3	0.87	- -	- -
ldru3	- -	1.00	- -
zuf3	- -	- -	1.00
sozk3	0.43	- -	- -
ysplbe3	0.64	- -	- -

BETA

	MASTERY1	LDRU1	UZUF1	MASTERY2	LDRU2	UZUF2
MASTERY1	- -	- -	- -	- -	- -	- -
LDRU1	- -	- -	- -	- -	- -	- -
UZUF1	- -	- -	- -	- -	- -	- -
MASTERY2	0.49	0.00	-0.05	- -	- -	- -
LDRU2	0.06	0.38	-0.06	- -	- -	- -
UZUF2	0.11	0.02	0.28	- -	- -	- -
MASTERY3	- -	- -	- -	0.61	-0.03	-0.11
LDRU3	- -	- -	- -	-0.02	0.45	-0.01
UZUF3	- -	- -	- -	0.12	-0.01	0.29

BETA

	MASTERY3	LDRU3	UZUF3
MASTERY1	- -	- -	- -

LDRU1	-	-	-
UZUF1	-	-	-
MASTERY2	-	-	-
LDRU2	-	-	-
UZUF2	-	-	-
MASTERY3	-	-	-
LDRU3	-	-	-
UZUF3	-	-	-

CORRELATION MATRIX OF ETA

	MASTERY1	LDRU1	UZUF1	MASTERY2	LDRU2	UZUF2
	-----	-----	-----	-----	-----	-----
MASTERY1	1.00					
LDRU1	-0.03	1.00				
UZUF1	0.58	-0.04	1.00			
MASTERY2	0.47	-0.01	0.24	1.00		
LDRU2	0.02	0.38	-0.03	-0.11	1.00	
UZUF2	0.27	0.00	0.34	0.63	-0.13	1.00
MASTERY3	0.25	-0.02	0.11	0.54	-0.08	0.28
LDRU3	-0.01	0.17	-0.03	-0.08	0.46	-0.09
UZUF3	0.13	0.00	0.13	0.31	-0.06	0.37

CORRELATION MATRIX OF ETA

	MASTERY3	LDRU3	UZUF3
	-----	-----	-----
MASTERY3	1.00		
LDRU3	-0.13	1.00	
UZUF3	0.62	-0.12	1.00

PSI

	MASTERY1	LDRU1	UZUF1	MASTERY2	LDRU2	UZUF2
	-----	-----	-----	-----	-----	-----
MASTERY1	1.00					
LDRU1	-0.03	1.00				
UZUF1	0.58	-0.04	1.00			
MASTERY2	-	-	-	0.78		
LDRU2	-	-	-	-0.12	0.85	
UZUF2	-	-	-	0.52	-0.13	0.88
MASTERY3	-	-	-	-	-	-
LDRU3	-	-	-	-	-	-
UZUF3	-	-	-	-	-	-

PSI

	MASTERY3	LDRU3	UZUF3
	-----	-----	-----
MASTERY3	0.70		
LDRU3	-0.08	0.79	
UZUF3	0.47	-0.08	0.86

THETA-EPS

	fuers1	ldru1	zuf1	sozk1	splbe1	fuers2
	-----	-----	-----	-----	-----	-----
fuers1	0.28					
ldru1	-	-				
zuf1	-	-	-			
sozk1	-	-	-	0.76		
splbe1	-	-	-	-	0.61	
fuers2	-	-	-	-	-	0.35
ldru2	-	-	-	-	-	-
zuf2	-	-	-	-	-	-
sozk2	-	-	-	0.33	-	-
splbe2	-	-	-	-	0.17	-
fuers3	-	-	-	-	-	-
ldru3	-	-	-	-	-	-
zuf3	-	-	-	-	-	-
sozk3	-	-	-	0.26	-	-
ysplbe3	-	-	-	-	0.17	-

THETA-EPS

	ldru2	zuf2	sozk2	splbe2	fuers3	ldru3
	-----	-----	-----	-----	-----	-----
ldru2	- -					
zuf2	- -	- -				
sozk2	- -	- -	0.88			
splbe2	- -	- -	- -	0.69		
fuers3	- -	- -	- -	- -	0.24	
ldru3	- -	- -	- -	- -	- -	- -
zuf3	- -	- -	- -	- -	- -	- -
sozk3	- -	- -	0.38	- -	- -	- -
ysplbe3	- -	- -	- -	0.20	- -	- -

THETA-EPS

	zuf3	sozk3	ysplbe3
	-----	-----	-----
zuf3	- -		
sozk3	- -	0.82	
ysplbe3	- -	- -	0.58

Modell B2

Selbstwirksamkeitsdynamik in Mastery-Klassen und Nicht-Mastery-Klassen

SELBSTWIRKSAMKEITSDYNAMIK IN MASTERY-KLASSEN: COMMON METRIC
COMPLETELY STANDARDIZED SOLUTION

LAMBDA-Y

	SWE1	SCHUL1	SOZ1	SWE2	SCHUL2	SOZ2
	-----	-----	-----	-----	-----	-----
yswe1	1.00	- -	- -	- -	- -	- -
yschul1	- -	1.00	- -	- -	- -	- -
ysoz1	- -	- -	1.00	- -	- -	- -
yswe2	- -	- -	- -	1.00	- -	- -
yschul2	- -	- -	- -	- -	1.00	- -
ysoz2	- -	- -	- -	- -	- -	1.00
yswe3	- -	- -	- -	- -	- -	- -
yschul3	- -	- -	- -	- -	- -	- -
ysoz3	- -	- -	- -	- -	- -	- -

LAMBDA-Y

	SWE3	SCHUL3	SOZ3
	-----	-----	-----
yswe1	- -	- -	- -
yschul1	- -	- -	- -
ysoz1	- -	- -	- -
yswe2	- -	- -	- -
yschul2	- -	- -	- -
ysoz2	- -	- -	- -
yswe3	1.00	- -	- -
yschul3	- -	1.00	- -
ysoz3	- -	- -	1.00

BETA

	SWE1	SCHUL1	SOZ1	SWE2	SCHUL2	SOZ2
	-----	-----	-----	-----	-----	-----
SWE1	- -	- -	- -	- -	- -	- -
SCHUL1	- -	- -	- -	- -	- -	- -
SOZ1	- -	- -	- -	- -	- -	- -
SWE2	0.49	0.08	0.11	- -	- -	- -
SCHUL2	0.19	0.40	-0.01	- -	- -	- -
SOZ2	0.06	-0.01	0.53	- -	- -	- -

SWE3	0.18	- -	- -	0.44	0.08	0.04
SCHUL3	- -	0.22	- -	0.11	0.36	0.00
SOZ3	- -	- -	0.19	0.12	-0.05	0.46

BETA

	SWE3	SCHUL3	SOZ3
SWE1	- -	- -	- -
SCHUL1	- -	- -	- -
SOZ1	- -	- -	- -
SWE2	- -	- -	- -
SCHUL2	- -	- -	- -
SOZ2	- -	- -	- -
SWE3	- -	- -	- -
SCHUL3	- -	- -	- -
SOZ3	- -	- -	- -

COVARIANCE MATRIX OF ETA

	SWE1	SCHUL1	SOZ1	SWE2	SCHUL2	SOZ2
SWE1	0.95					
SCHUL1	0.50	0.98				
SOZ1	0.52	0.36	0.97			
SWE2	0.56	0.36	0.39	1.01		
SCHUL2	0.38	0.49	0.24	0.55	0.97	
SOZ2	0.32	0.21	0.54	0.52	0.40	1.03
SWE3	0.46	0.29	0.30	0.60	0.39	0.35
SCHUL3	0.31	0.43	0.21	0.39	0.52	0.24
SOZ3	0.30	0.18	0.47	0.41	0.24	0.61

COVARIANCE MATRIX OF ETA

	SWE3	SCHUL3	SOZ3
SWE3	0.98		
SCHUL3	0.53	0.89	
SOZ3	0.59	0.34	0.98

PSI

	SWE1	SCHUL1	SOZ1	SWE2	SCHUL2	SOZ2
SWE1	0.95					
SCHUL1	0.50	0.98				
SOZ1	0.52	0.36	0.97			
SWE2	- -	- -	- -	0.66		
SCHUL2	- -	- -	- -	0.29	0.70	
SOZ2	- -	- -	- -	0.28	0.25	0.72
SWE3	- -	- -	- -	- -	- -	- -
SCHUL3	- -	- -	- -	- -	- -	- -
SOZ3	- -	- -	- -	- -	- -	- -

PSI

	SWE3	SCHUL3	SOZ3
SWE3	0.59		
SCHUL3	0.26	0.56	
SOZ3	0.32	0.17	0.57

SELBSTWIRKSAMKEITSDYNAMIK IN NICHT-MASTERY-KLASSEN: COMMON METRIC COMPLETELY STANDARDIZED SOLUTION

LAMBDA-Y

	SWE1	SCHUL1	SOZ1	SWE2	SCHUL2	SOZ2
yswe1	1.00	- -	- -	- -	- -	- -
yschul1	- -	1.00	- -	- -	- -	- -

ysoz1	- -	- -	1.00	- -	- -	- -
yswe2	- -	- -	- -	1.00	- -	- -
yschul2	- -	- -	- -	- -	1.00	- -
ysoz2	- -	- -	- -	- -	- -	1.00
yswe3	- -	- -	- -	- -	- -	- -
yschul3	- -	- -	- -	- -	- -	- -
ysoz3	- -	- -	- -	- -	- -	- -

LAMBDA-Y

	SWE3	SCHUL3	SOZ3
	-----	-----	-----
yswe1	- -	- -	- -
yschul1	- -	- -	- -
ysoz1	- -	- -	- -
yswe2	- -	- -	- -
yschul2	- -	- -	- -
ysoz2	- -	- -	- -
yswe3	1.00	- -	- -
yschul3	- -	1.00	- -
ysoz3	- -	- -	1.00

BETA

	SWE1	SCHUL1	SOZ1	SWE2	SCHUL2	SOZ2
	-----	-----	-----	-----	-----	-----
SWE1	- -	- -	- -	- -	- -	- -
SCHUL1	- -	- -	- -	- -	- -	- -
SOZ1	- -	- -	- -	- -	- -	- -
SWE2	0.35	0.16	0.10	- -	- -	- -
SCHUL2	0.07	0.57	0.02	- -	- -	- -
SOZ2	0.10	0.02	0.40	- -	- -	- -
SWE3	0.20	- -	- -	0.23	0.20	0.16
SCHUL3	- -	0.22	- -	-0.06	0.56	0.02
SOZ3	- -	- -	0.23	-0.08	0.05	0.51

BETA

	SWE3	SCHUL3	SOZ3
	-----	-----	-----
SWE1	- -	- -	- -
SCHUL1	- -	- -	- -
SOZ1	- -	- -	- -
SWE2	- -	- -	- -
SCHUL2	- -	- -	- -
SOZ2	- -	- -	- -
SWE3	- -	- -	- -
SCHUL3	- -	- -	- -
SOZ3	- -	- -	- -

COVARIANCE MATRIX OF ETA

	SWE1	SCHUL1	SOZ1	SWE2	SCHUL2	SOZ2
	-----	-----	-----	-----	-----	-----
SWE1	1.05	- -	- -	- -	- -	- -
SCHUL1	0.56	1.02	- -	- -	- -	- -
SOZ1	0.49	0.36	1.03	- -	- -	- -
SWE2	0.51	0.40	0.33	0.99	- -	- -
SCHUL2	0.40	0.62	0.26	0.57	1.03	- -
SOZ2	0.31	0.22	0.46	0.53	0.34	0.97
SWE3	0.45	0.36	0.30	0.53	0.47	0.41
SCHUL3	0.33	0.56	0.22	0.36	0.69	0.23
SOZ3	0.25	0.19	0.46	0.30	0.24	0.58

COVARIANCE MATRIX OF ETA

	SWE3	SCHUL3	SOZ3
	-----	-----	-----
SWE3	1.02	- -	- -
SCHUL3	0.62	1.12	- -
SOZ3	0.52	0.32	1.02

PSI

	SWE1	SCHUL1	SOZ1	SWE2	SCHUL2	SOZ2
SWE1	1.05					
SCHUL1	0.56	1.02				
SOZ1	0.49	0.36	1.03			
SWE2	--	--	--	0.71		
SCHUL2	--	--	--	0.31	0.64	
SOZ2	--	--	--	0.34	0.19	0.76
SWE3	--	--	--	--	--	--
SCHUL3	--	--	--	--	--	--
SOZ3	--	--	--	--	--	--

PSI

	SWE3	SCHUL3	SOZ3
SWE3	0.65		
SCHUL3	0.30	0.62	
SOZ3	0.26	0.15	0.63

Modell B2

Selbstwirksamkeitsdynamik in Schulen der alten und neuen Bundesländer

SELBSTWIRKSAMKEITSDYNAMIK IN WESTDEUTSCHEN SCHULEN: COMMON METRIC COMPLETELY STANDARDIZED SOLUTION

LAMBDA-Y

	SWE1	SCHUL1	SOZ1	SWE2	SCHUL2	SOZ2
yswe1	1.00	--	--	--	--	--
yschul1	--	1.00	--	--	--	--
ysoz1	--	--	1.00	--	--	--
yswe2	--	--	--	1.00	--	--
yschul2	--	--	--	--	1.00	--
ysoz2	--	--	--	--	--	1.00
yswe3	--	--	--	--	--	--
yschul3	--	--	--	--	--	--
ysoz3	--	--	--	--	--	--

LAMBDA-Y

	SWE3	SCHUL3	SOZ3
yswe1	--	--	--
yschul1	--	--	--
ysoz1	--	--	--
yswe2	--	--	--
yschul2	--	--	--
ysoz2	--	--	--
yswe3	1.00	--	--
yschul3	--	1.00	--
ysoz3	--	--	1.00

BETA

	SWE1	SCHUL1	SOZ1	SWE2	SCHUL2	SOZ2
SWE1	--	--	--	--	--	--
SCHUL1	--	--	--	--	--	--
SOZ1	--	--	--	--	--	--
SWE2	0.37	0.14	0.19	--	--	--
SCHUL2	0.09	0.47	-0.01	--	--	--
SOZ2	0.05	0.02	0.54	--	--	--
SWE3	0.20	--	--	0.39	0.12	0.06
SCHUL3	--	0.27	--	0.05	0.39	-0.01
SOZ3	--	--	0.24	0.08	-0.01	0.40

BETA

	SWE3	SCHUL3	SOZ3
SWE1	- -	- -	- -
SCHUL1	- -	- -	- -
SOZ1	- -	- -	- -
SWE2	- -	- -	- -
SCHUL2	- -	- -	- -
SOZ2	- -	- -	- -
SWE3	- -	- -	- -
SCHUL3	- -	- -	- -
SOZ3	- -	- -	- -

COVARIANCE MATRIX OF ETA

	SWE1	SCHUL1	SOZ1	SWE2	SCHUL2	SOZ2
SWE1	0.93					
SCHUL1	0.44	0.94				
SOZ1	0.41	0.30	0.89			
SWE2	0.48	0.35	0.36	0.97		
SCHUL2	0.29	0.49	0.17	0.52	0.97	
SOZ2	0.28	0.21	0.51	0.50	0.33	0.93
SWE3	0.42	0.29	0.27	0.56	0.39	0.35
SCHUL3	0.25	0.46	0.16	0.34	0.53	0.20
SOZ3	0.24	0.18	0.44	0.35	0.20	0.53

COVARIANCE MATRIX OF ETA

	SWE3	SCHUL3	SOZ3
SWE3	1.04		
SCHUL3	0.56	0.97	
SOZ3	0.56	0.30	0.93

PSI

	SWE1	SCHUL1	SOZ1	SWE2	SCHUL2	SOZ2
SWE1	0.93					
SCHUL1	0.44	0.94				
SOZ1	0.41	0.30	0.89			
SWE2	- -	- -	- -	0.68		
SCHUL2	- -	- -	- -	0.32	0.71	
SOZ2	- -	- -	- -	0.27	0.21	0.63
SWE3	- -	- -	- -	- -	- -	- -
SCHUL3	- -	- -	- -	- -	- -	- -
SOZ3	- -	- -	- -	- -	- -	- -

PSI

	SWE3	SCHUL3	SOZ3
SWE3	0.67		
SCHUL3	0.31	0.63	
SOZ3	0.32	0.16	0.59

THE PROBLEM USED 48936 BYTES (= 4.6% OF AVAILABLE WORKSPACE)

TIME USED: 4.7 SECONDS

SELBSTWIRKSAMKEITSDYNAMIK IN OSTDEUTSCHEN SCHULEN: COMMON METRIC COMPLETELY STANDARDIZED SOLUTION

LAMBDA-Y

	SWE1	SCHUL1	SOZ1	SWE2	SCHUL2	SOZ2
yswe1	1.00	- -	- -	- -	- -	- -
yschul1	- -	1.00	- -	- -	- -	- -

ysoz1	- -	- -	1.00	- -	- -	- -
yswe2	- -	- -	- -	1.00	- -	- -
yschul2	- -	- -	- -	- -	1.00	- -
ysoz2	- -	- -	- -	- -	- -	1.00
yswe3	- -	- -	- -	- -	- -	- -
yschul3	- -	- -	- -	- -	- -	- -
ysoz3	- -	- -	- -	- -	- -	- -

LAMBDA-Y

	SWE3	SCHUL3	SOZ3
	-----	-----	-----
yswe1	- -	- -	- -
yschul1	- -	- -	- -
ysoz1	- -	- -	- -
yswe2	- -	- -	- -
yschul2	- -	- -	- -
ysoz2	- -	- -	- -
yswe3	1.00	- -	- -
yschul3	- -	1.00	- -
ysoz3	- -	- -	1.00

BETA

	SWE1	SCHUL1	SOZ1	SWE2	SCHUL2	SOZ2
	-----	-----	-----	-----	-----	-----
SWE1	- -	- -	- -	- -	- -	- -
SCHUL1	- -	- -	- -	- -	- -	- -
SOZ1	- -	- -	- -	- -	- -	- -
SWE2	0.40	0.11	0.05	- -	- -	- -
SCHUL2	0.10	0.51	0.07	- -	- -	- -
SOZ2	0.07	-0.04	0.40	- -	- -	- -
SWE3	0.17	- -	- -	0.26	0.18	0.12
SCHUL3	- -	0.16	- -	-0.03	0.54	0.01
SOZ3	- -	- -	0.16	-0.03	0.06	0.51

BETA

	SWE3	SCHUL3	SOZ3
	-----	-----	-----
SWE1	- -	- -	- -
SCHUL1	- -	- -	- -
SOZ1	- -	- -	- -
SWE2	- -	- -	- -
SCHUL2	- -	- -	- -
SOZ2	- -	- -	- -
SWE3	- -	- -	- -
SCHUL3	- -	- -	- -
SOZ3	- -	- -	- -

COVARIANCE MATRIX OF ETA

	SWE1	SCHUL1	SOZ1	SWE2	SCHUL2	SOZ2
	-----	-----	-----	-----	-----	-----
SWE1	1.07	- -	- -	- -	- -	- -
SCHUL1	0.60	1.06	- -	- -	- -	- -
SOZ1	0.57	0.38	1.11	- -	- -	- -
SWE2	0.52	0.38	0.33	1.03	- -	- -
SCHUL2	0.45	0.62	0.32	0.59	1.03	- -
SOZ2	0.28	0.15	0.47	0.54	0.36	1.07
SWE3	0.43	0.33	0.29	0.53	0.46	0.38
SCHUL3	0.32	0.49	0.23	0.34	0.64	0.21
SOZ3	0.24	0.16	0.42	0.32	0.28	0.62

COVARIANCE MATRIX OF ETA

	SWE3	SCHUL3	SOZ3
	-----	-----	-----
SWE3	0.96	- -	- -
SCHUL3	0.57	1.03	- -
SOZ3	0.54	0.35	1.07

PSI

	SWE1	SCHUL1	SOZ1	SWE2	SCHUL2	SOZ2
SWE1	1.07					
SCHUL1	0.60	1.06				
SOZ1	0.57	0.38	1.11			
SWE2	--	--	--	0.77		
SCHUL2	--	--	--	0.32	0.65	
SOZ2	--	--	--	0.39	0.23	0.87
SWE3	--	--	--	--	--	--
SCHUL3	--	--	--	--	--	--
SOZ3	--	--	--	--	--	--

PSI

	SWE3	SCHUL3	SOZ3
SWE3	0.62		
SCHUL3	0.29	0.62	
SOZ3	0.30	0.19	0.68

Modell C2 Klima-Auswirkungen

SCHÜLEREBENE: WITHIN GROUP COMPLETELY STANDARDIZED SOLUTION

LAMBDA-Y

	SEX	MASTERY1	LAN1	ALL2	SCHUL2	SOZ2
sex	1.00	--	--	--	--	--
yfuers1	--	0.79	--	--	--	--
yzuf1	--	0.60	--	--	--	--
yhilfb1	--	0.55	--	--	--	--
ysplbe1	--	0.66	--	--	--	--
yldrul	--	--	1.00	--	--	--
yswe2	--	--	--	1.00	--	--
yschul2	--	--	--	--	1.00	--
ysoz2	--	--	--	--	--	1.00
ytai_e3	--	--	--	--	--	--
ytai_w3	--	--	--	--	--	--
ycompl3	--	--	--	--	--	--
ysatis3	--	--	--	--	--	--
yoptim3	--	--	--	--	--	--
ydepres3	--	--	--	--	--	--
ln3_1	--	--	--	--	--	--
ln3_2	--	--	--	--	--	--
ln3_3	--	--	--	--	--	--

LAMBDA-Y

	PA3	BEF3	LEIST3
sex	--	--	--
yfuers1	--	--	--
yzuf1	--	--	--
yhilfb1	--	--	--
ysplbe1	--	--	--
yldrul	--	--	--
yswe2	--	--	--
yschul2	--	--	--
ysoz2	--	--	--
ytai_e3	0.79	--	--
ytai_w3	0.76	--	--
ycompl3	0.37	-0.27	--
ysatis3	--	0.82	--
yoptim3	--	0.78	--
ydepres3	--	-0.56	--
ln3_1	--	--	0.59
ln3_2	--	--	0.70
ln3_3	--	--	0.72

BETA

	SEX	MASTERY1	LAN1	ALL2	SCHUL2	SOZ2
SEX	- -	- -	- -	- -	- -	- -
MASTERY1	- -	- -	- -	- -	- -	- -
LAN1	- -	- -	- -	- -	- -	- -
ALL2	-0.10	0.15	-0.01	- -	- -	- -
SCHUL2	-0.09	0.16	-0.11	- -	- -	- -
SOZ2	0.16	0.24	0.01	- -	- -	- -
PA3	0.27	- -	0.18	-0.01	-0.25	0.00
BEF3	-0.15	0.19	- -	0.19	0.19	0.04
LEIST3	0.33	- -	- -	-0.03	0.52	-0.13

BETA

	PA3	BEF3	LEIST3
SEX	- -	- -	- -
MASTERY1	- -	- -	- -
LAN1	- -	- -	- -
ALL2	- -	- -	- -
SCHUL2	- -	- -	- -
SOZ2	- -	- -	- -
PA3	- -	- -	- -
BEF3	- -	- -	- -
LEIST3	- -	- -	- -

CORRELATION MATRIX OF ETA

	SEX	MASTERY1	LAN1	ALL2	SCHUL2	SOZ2
SEX	1.00					
MASTERY1	0.07	1.00				
LAN1	0.06	-0.03	1.00			
ALL2	-0.10	0.14	-0.03	1.00		
SCHUL2	-0.08	0.16	-0.13	0.54	1.00	
SOZ2	0.18	0.25	0.01	0.53	0.35	1.00
PA3	0.30	-0.03	0.23	-0.18	-0.30	-0.04
BEF3	-0.16	0.25	-0.04	0.36	0.35	0.23
LEIST3	0.26	0.07	-0.04	0.15	0.43	0.09

CORRELATION MATRIX OF ETA

	PA3	BEF3	LEIST3
PA3	1.00		
BEF3	-0.41	1.00	
LEIST3	-0.17	0.15	1.00

PSI

	SEX	MASTERY1	LAN1	ALL2	SCHUL2	SOZ2
SEX	1.00					
MASTERY1	0.07	1.00				
LAN1	0.06	-0.03	1.00			
ALL2	- -	- -	- -	0.97		
SCHUL2	- -	- -	- -	0.51	0.95	
SOZ2	- -	- -	- -	0.51	0.32	0.91
PA3	- -	- -	- -	- -	- -	- -
BEF3	- -	- -	- -	- -	- -	- -
LEIST3	- -	- -	- -	- -	- -	- -

PSI

	PA3	BEF3	LEIST3
PA3	0.80		
BEF3	-0.27	0.78	
LEIST3	-0.12	0.07	0.71

THETA-EPS

sex	yfuers1	yzuf1	yhilfb1	ysplbel	yldrul
---	---	---	---	---	---
--	0.37	0.64	0.70	0.57	--
THETA-EPS					
yswe2	yschul2	ysoz2	ytai_e3	ytai_w3	ycompl3
---	---	---	---	---	---
--	--	--	0.38	0.42	0.70
THETA-EPS					
ysatis3	yoptim3	ydepres3	ln3_1	ln3_2	ln3_3
---	---	---	---	---	---
0.33	0.40	0.69	0.66	0.51	0.48

WITHIN
STANDARDIZED TOTAL AND INDIRECT EFFECTS

STANDARDIZED TOTAL EFFECTS OF ETA ON ETA

	SEX	MASTERY1	LAN1	ALL2	SCHUL2	SOZ2
SEX	---	---	---	---	---	---
MASTERY1	--	--	--	--	--	--
LAN1	--	--	--	--	--	--
ALL2	-0.10	0.15	-0.01	--	--	--
SCHUL2	-0.09	0.16	-0.11	--	--	--
SOZ2	0.16	0.24	0.01	--	--	--
PA3	0.29	-0.04	0.21	-0.01	-0.25	0.00
BEF3	-0.18	0.26	-0.02	0.19	0.19	0.04
LEIST3	0.27	0.05	-0.06	-0.03	0.52	-0.13

STANDARDIZED TOTAL EFFECTS OF ETA ON ETA

	PA3	BEF3	LEIST3
SEX	---	---	---
MASTERY1	--	--	--
LAN1	--	--	--
ALL2	--	--	--
SCHUL2	--	--	--
SOZ2	--	--	--
PA3	--	--	--
BEF3	--	--	--
LEIST3	--	--	--

STANDARDIZED INDIRECT EFFECTS OF ETA ON ETA

	SEX	MASTERY1	LAN1	ALL2	SCHUL2	SOZ2
SEX	---	---	---	---	---	---
MASTERY1	--	--	--	--	--	--
LAN1	--	--	--	--	--	--
ALL2	--	--	--	--	--	--
SCHUL2	--	--	--	--	--	--
SOZ2	--	--	--	--	--	--
PA3	0.02	-0.04	0.03	--	--	--
BEF3	-0.03	0.07	-0.02	--	--	--
LEIST3	-0.06	0.05	-0.06	--	--	--

STANDARDIZED INDIRECT EFFECTS OF ETA ON ETA

	PA3	BEF3	LEIST3
SEX	---	---	---
MASTERY1	--	--	--
LAN1	--	--	--
ALL2	--	--	--
SCHUL2	--	--	--
SOZ2	--	--	--

PA3	--	--	--
BEF3	--	--	--
LEIST3	--	--	--

KLASSENEBENE: WITHIN GROUP COMPLETELY STANDARDIZED SOLUTION

LAMBDA-Y

	SEX	MASTERY1	LAN1	ALL2	SCHUL2	SOZ2
sex	1.00	--	--	--	--	--
yfuers1	--	0.88	--	--	--	--
yzuf1	--	0.79	--	--	--	--
yhilfb1	--	0.43	--	--	--	--
ysplbel	--	0.72	--	--	--	--
yldrul	--	--	1.00	--	--	--
yswe2	--	--	--	1.00	--	--
yschul2	--	--	--	--	1.00	--
ysoz2	--	--	--	--	--	1.00
ytai_e3	--	--	--	--	--	--
ytai_w3	--	--	--	--	--	--
ycompl3	--	--	--	--	--	--
ysatis3	--	--	--	--	--	--
yoptim3	--	--	--	--	--	--
ydepres3	--	--	--	--	--	--
ln3_1	--	--	--	--	--	--
ln3_2	--	--	--	--	--	--
ln3_3	--	--	--	--	--	--

LAMBDA-Y

	PA3	BEF3	LEIST3
sex	--	--	--
yfuers1	--	--	--
yzuf1	--	--	--
yhilfb1	--	--	--
ysplbel	--	--	--
yldrul	--	--	--
yswe2	--	--	--
yschul2	--	--	--
ysoz2	--	--	--
ytai_e3	0.81	--	--
ytai_w3	0.70	--	--
ycompl3	0.26	-0.35	--
ysatis3	--	0.83	--
yoptim3	--	0.78	--
ydepres3	--	-0.69	--
ln3_1	--	--	0.73
ln3_2	--	--	0.72
ln3_3	--	--	0.75

BETA

	SEX	MASTERY1	LAN1	ALL2	SCHUL2	SOZ2
SEX	--	--	--	--	--	--
MASTERY1	--	--	--	--	--	--
LAN1	--	--	--	--	--	--
ALL2	-0.16	0.10	-0.22	--	--	--
SCHUL2	-0.30	0.41	-0.25	--	--	--
SOZ2	0.10	-0.05	-0.28	--	--	--
PA3	0.25	--	--	-0.29	-0.22	0.09
BEF3	0.18	--	--	-0.08	0.70	0.09
LEIST3	0.28	--	--	-0.18	0.33	0.24

BETA

	PA3	BEF3	LEIST3
SEX	--	--	--

MASTERY1	-	-	-	-
LAN1	-	-	-	-
ALL2	-	-	-	-
SCHUL2	-	-	-	-
SOZ2	-	-	-	-
PA3	-	-	-	-
BEF3	-	-	-	-
LEIST3	-	-	-	-

CORRELATION MATRIX OF ETA

	SEX	MASTERY1	LAN1	ALL2	SCHUL2	SOZ2
SEX	1.00					
MASTERY1	0.24	1.00				
LAN1	-0.07	-0.25	1.00			
ALL2	-0.12	0.12	-0.24	1.00		
SCHUL2	-0.18	0.40	-0.33	0.77	1.00	
SOZ2	0.11	0.04	-0.28	0.61	0.48	1.00
PA3	0.33	-0.06	0.10	-0.44	-0.45	-0.17
BEF3	0.07	0.32	-0.25	0.49	0.65	0.40
LEIST3	0.27	0.19	-0.15	0.18	0.25	0.31

CORRELATION MATRIX OF ETA

	PA3	BEF3	LEIST3
PA3	1.00		
BEF3	-0.42	1.00	
LEIST3	-0.16	0.30	1.00

PSI

	SEX	MASTERY1	LAN1	ALL2	SCHUL2	SOZ2
SEX	1.00					
MASTERY1	0.24	1.00				
LAN1	-0.07	-0.25	1.00			
ALL2	-	-	-	0.92		
SCHUL2	-	-	-	0.63	0.70	
SOZ2	-	-	-	0.56	0.43	0.91
PA3	-	-	-	-	-	-
BEF3	-	-	-	-	-	-
LEIST3	-	-	-	-	-	-

PSI

	PA3	BEF3	LEIST3
PA3	0.70		
BEF3	-0.18	0.54	
LEIST3	-0.15	0.06	0.80

THETA-EPS

	sex	yfuers1	yzuf1	yhilfb1	ysplbe1	yldrul
	-	0.22	0.37	0.81	0.49	-

THETA-EPS

	yswe2	yschul2	ysoz2	ytai_e3	ytai_w3	ycompl3
	-	-	-	0.34	0.51	0.73

THETA-EPS

	ysatis3	yoptim3	ydepres3	ln3_1	ln3_2	ln3_3
	0.31	0.39	0.52	0.47	0.48	0.44

BETWEEN
STANDARDIZED TOTAL AND INDIRECT EFFECTS

STANDARDIZED TOTAL EFFECTS OF ETA ON ETA

	SEX	MASTERY1	LAN1	ALL2	SCHUL2	SOZ2
	-----	-----	-----	-----	-----	-----
SEX	- -	- -	- -	- -	- -	- -
MASTERY1	- -	- -	- -	- -	- -	- -
LAN1	- -	- -	- -	- -	- -	- -
ALL2	-0.16	0.10	-0.22	- -	- -	- -
SCHUL2	-0.30	0.41	-0.25	- -	- -	- -
SOZ2	0.10	-0.05	-0.28	- -	- -	- -
PA3	0.37	-0.13	0.10	-0.29	-0.22	0.09
BEF3	-0.01	0.27	-0.18	-0.08	0.70	0.09
LEIST3	0.23	0.11	-0.11	-0.18	0.33	0.24

STANDARDIZED TOTAL EFFECTS OF ETA ON ETA

	PA3	BEF3	LEIST3
	-----	-----	-----
SEX	- -	- -	- -
MASTERY1	- -	- -	- -
LAN1	- -	- -	- -
ALL2	- -	- -	- -
SCHUL2	- -	- -	- -
SOZ2	- -	- -	- -
PA3	- -	- -	- -
BEF3	- -	- -	- -
LEIST3	- -	- -	- -

STANDARDIZED INDIRECT EFFECTS OF ETA ON ETA

	SEX	MASTERY1	LAN1	ALL2	SCHUL2	SOZ2
	-----	-----	-----	-----	-----	-----
SEX	- -	- -	- -	- -	- -	- -
MASTERY1	- -	- -	- -	- -	- -	- -
LAN1	- -	- -	- -	- -	- -	- -
ALL2	- -	- -	- -	- -	- -	- -
SCHUL2	- -	- -	- -	- -	- -	- -
SOZ2	- -	- -	- -	- -	- -	- -
PA3	0.12	-0.13	0.10	- -	- -	- -
BEF3	-0.18	0.27	-0.18	- -	- -	- -
LEIST3	-0.05	0.11	-0.11	- -	- -	- -

STANDARDIZED INDIRECT EFFECTS OF ETA ON ETA

	PA3	BEF3	LEIST3
	-----	-----	-----
SEX	- -	- -	- -
MASTERY1	- -	- -	- -
LAN1	- -	- -	- -
ALL2	- -	- -	- -
SCHUL2	- -	- -	- -
SOZ2	- -	- -	- -
PA3	- -	- -	- -
BEF3	- -	- -	- -
LEIST3	- -	- -	- -

C. HLM-Ergebnisse

Modelltests

Tabelle C.1
Vergleich von Modellen mit linearem und nicht linearem Zeiteffekt

	Modell für				
	WIRKSCHUL	WIRKSOZ	WIRKALL	OPTIM	LEIST
Deviance (Npar) für Modell mit linearem Zeiteffekt	6430.9 (5)	6454.5 (5)	6315.6 (5)	6282.4 (5)	5890.2 (5)
Deviance (Npar) für Modell mit nicht-linearem Zeiteffekt	6424.7 (6)	6454.1 (6)	6315.5 (6)	6281.9 (6)	5881.3 (6)
χ^2 (df)	6.2 (1) *	.04 (1)	0.1 (1)	0.5 (1)	8.9 (1) *

Anmerkungen. WIRKSCHUL: schulische Selbstwirksamkeitserwartung; WIRKSOZ: soziale Selbstwirksamkeitserwartung; WIRKALL: allgemeine Selbstwirksamkeitserwartung; OPTIM: Optimismus; LEIST: Schulnotenindex.

* $p < .05$.

Modell L₂ für die schulische Selbstwirksamkeitserwartung

***** ITERATION 22 *****

Sigma_squared = 0.37155

Standard Error of Sigma_squared = 0.01311

Tau(pi)

INTRCPT1,P0	0.41366	-0.03174
MC,P1	-0.03174	0.04020

Standard Errors of Tau(pi)

INTRCPT1,P0	0.02881	0.01379
MC,P1	0.01379	0.01401

Tau(pi) (as correlations)

INTRCPT1,P0	1.000	-0.246
MC,P1	-0.246	1.000

Random level-1 coefficient Reliability estimate

INTRCPT1, P0	0.507
MC, P1	0.090

Tau(beta)

INTRCPT1	MC
INTRCPT2,B00	INTRCPT2,B30
0.00727	0.00088
0.00088	0.01602

Tau(beta) (as correlations)
 INTRCPT1/INTRCPT2,B00 1.000 0.082
 MC/INTRCPT2,B30 0.082 1.000

Standard Errors of Tau(beta)
 INTRCPT1 MC
 INTRCPT2,B00 INTRCPT2,B30
 0.00882 0.00560
 0.00560 0.00735

Random level-2 coefficient	Reliability estimate
INTRCPT1/INTRCPT2, B00	0.057
MC/INTRCPT2, B30	0.184

The value of the likelihood function at iteration 22 = -3.080607E+003
 The outcome variable is YSCHUL

Final estimation of fixed effects:

Fixed Effect	Coefficient	Standard Error	T-ratio	P-value
For INTRCPT1, P0				
For INTRCPT2, B00				
INTRCPT3, G000	0.110102	0.053486	2.059	0.044
ZAMC1, G001	0.054889	0.033556	1.636	0.107
ZALDRU1, G002	-0.091385	0.030560	-2.990	0.005
For SEX, B01				
INTRCPT3, G010	-0.224078	0.052491	-4.269	0.000
For JAHRSTU1, B02				
INTRCPT3, G020	-0.031297	0.065096	-0.481	0.630
For TIME slope, P1				
For INTRCPT2, B10				
INTRCPT3, G100	0.172670	0.057015	3.029	0.003
For JAHRSTU1, B11				
INTRCPT3, G110	0.122381	0.030735	3.982	0.000
For TIME2 slope, P2				
For INTRCPT2, B20				
INTRCPT3, G200	-0.067471	0.026329	-2.563	0.011
For MC slope, P3				
For INTRCPT2, B30				
INTRCPT3, G300	0.242198	0.026768	9.048	0.000
ZAMC1, G301	0.046972	0.028174	1.667	0.100
ZSDMC1, G302	0.034812	0.027467	1.267	0.210

Final estimation of level-1 and level-2 variance components:

Random Effect	Standard Deviation	Variance Component	df	Chi-square	P-value
INTRCPT1, R0	0.64317	0.41366	792	2142.92207	0.000
MC slope, R1	0.20050	0.04020	794	911.33372	0.003
level-1, E	0.60955	0.37155			

Final estimation of level-3 variance components:

Random Effect	Standard Deviation	Variance Component	df	Chi-square	P-value
INTRCPT1/INTRCPT2, U0	0.08524	0.00727	58	79.71973	0.031
MC/INTRCPT2, U1	0.12659	0.01602	58	96.87178	0.001

Statistics for current covariance components model

Deviance = 6161.214627
 Number of estimated parameters = 18

Modell L₂ für die soziale Selbstwirksamkeitserwartung

***** ITERATION 33 *****

Sigma_squared = 0.40371

Standard Error of Sigma_squared = 0.01445

Tau(pi)

INTRCPT1,P0	0.32098	-0.03315
MC,P1	-0.03315	0.02481

Standard Errors of Tau(pi)

INTRCPT1,P0	0.02450	0.01187
MC,P1	0.01187	0.01274

Tau(pi) (as correlations)

INTRCPT1,P0	1.000	-0.371
MC,P1	-0.371	1.000

Random level-1 coefficient Reliability estimate

INTRCPT1, P0	0.441
MC, P1	0.056

Tau(beta)

INTRCPT1	MC
INTRCPT2,B00	INTRCPT2,B20
0.01330	-0.00242
-0.00242	0.00987

Tau(beta) (as correlations)

INTRCPT1/INTRCPT2,B00	1.000	-0.211
MC/INTRCPT2,B20	-0.211	1.000

Standard Errors of Tau(beta)

INTRCPT1	MC
INTRCPT2,B00	INTRCPT2,B20
0.00879	0.00500
0.00500	0.00590

Random level-2 coefficient Reliability estimate

INTRCPT1/INTRCPT2, B00	0.122
MC/INTRCPT2, B20	0.139

The value of the likelihood function at iteration 33 = -3.060316E+003

The outcome variable is YSOZ

Final estimation of fixed effects:

Fixed Effect Coefficient Standard Error T-ratio P-value

For	INTRCPT1, P0				
For	INTRCPT2, B00				
	INTRCPT3, G000	-0.181961	0.051724	-3.518	0.001
	ZAMC1, G001	-0.041484	0.032975	-1.258	0.214
	ZALDRU1, G002	-0.076537	0.030411	-2.517	0.015
For	SEX, B01				
	INTRCPT3, G010	0.331458	0.048386	6.850	0.000
For	JAHRSU1, B02				
	INTRCPT3, G020	0.037089	0.064907	0.571	0.567
For	TIME slope, P1				
For	INTRCPT2, B10				
	INTRCPT3, G100	0.087866	0.021994	3.995	0.000
For	JAHRSU1, B11				
	INTRCPT3, G110	0.046125	0.031598	1.460	0.144
For	MC slope, P2				
For	INTRCPT2, B20				

INTRCPT3, G200	0.306712	0.024180	12.685	0.000
ZAMC1, G201	0.018902	0.025361	0.745	0.459
ZSDMC1, G202	0.030680	0.024523	1.251	0.216

Final estimation of level-1 and level-2 variance components:

Random Effect		Standard Deviation	Variance Component	df	Chi-square	P-value
INTRCPT1,	R0	0.56655	0.32098	792	1940.18120	0.000
MC slope,	R1	0.15752	0.02481	794	907.98663	0.003
level-1,	E	0.63538	0.40371			

Final estimation of level-3 variance components:

Random Effect		Standard Deviation	Variance Component	df	Chi-square	P-value
INTRCPT1/INTRCPT2,	U0	0.11533	0.01330	58	85.44500	0.011
MC/INTRCPT2,	U1	0.09937	0.00987	58	82.84247	0.018

Statistics for current covariance components model

Deviance = 6120.632019
Number of estimated parameters = 17

Modell L₂ für die allgemeine Selbstwirksamkeitserwartung

***** ITERATION 24 *****

Sigma_squared = 0.38340

Standard Error of Sigma_squared = 0.01426

Tau(pi)

INTRCPT1,P0	0.34979	-0.02359
MC,P1	-0.02359	0.04537

Standard Errors of Tau(pi)

INTRCPT1,P0	0.02591	0.01301
MC,P1	0.01301	0.01421

Tau(pi) (as correlations)

INTRCPT1,P0	1.000	-0.187
MC,P1	-0.187	1.000

Random level-1 coefficient Reliability estimate

INTRCPT1, P0	0.468
MC, P1	0.097

Tau(beta)

INTRCPT1	MC
INTRCPT2,B00	INTRCPT2,B20
0.01733	-0.00109
-0.00109	0.00273

Tau(beta) (as correlations)

INTRCPT1/INTRCPT2,B00	1.000	-0.158
MC/INTRCPT2,B20	-0.158	1.000

Standard Errors of Tau(beta)

INTRCPT1	MC
INTRCPT2,B00	INTRCPT2,B20
0.00984	0.00479

0.00479 0.00488

Random level-2 coefficient	Reliability estimate
INTRCPT1/INTRCPT2, B00	0.140
MC/INTRCPT2, B20	0.038

The value of the likelihood function at iteration 24 = -3.059320E+003
 The outcome variable is YSWE

Final estimation of fixed effects:

Fixed Effect	Coefficient	Standard Error	T-ratio	P-value
For INTRCPT1, P0				
For INTRCPT2, B00				
INTRCPT3, G000	0.078616	0.053782	1.462	0.149
ZAMC1, G001	0.029514	0.034425	0.857	0.395
ZALDRU1, G002	-0.069918	0.032135	-2.176	0.033
For SEX, B01				
INTRCPT3, G010	-0.183248	0.049984	-3.666	0.000
For JAHRSTU1, B02				
INTRCPT3, G020	-0.016348	0.067804	-0.241	0.810
For TIME slope, P1				
For INTRCPT2, B10				
INTRCPT3, G100	0.113862	0.021577	5.277	0.000
For JAHRSTU1, B11				
INTRCPT3, G110	0.075858	0.030918	2.454	0.014
For MC slope, P2				
For INTRCPT2, B20				
INTRCPT3, G200	0.221402	0.022102	10.017	0.000
ZAMC1, G201	0.063165	0.023570	2.680	0.010
ZSDMC1, G202	0.012576	0.022341	0.563	0.575

Final estimation of level-1 and level-2 variance components:

Random Effect	Standard Deviation	Variance Component	df	Chi-square	P-value
INTRCPT1, R0	0.59143	0.34979	792	1955.10487	0.000
MC slope, R1	0.21301	0.04537	794	923.64742	0.001
level-1, E	0.61919	0.38340			

Final estimation of level-3 variance components:

Random Effect	Standard Deviation	Variance Component	df	Chi-square	P-value
INTRCPT1/INTRCPT2, U0	0.13163	0.01733	58	91.99820	0.003
MC/INTRCPT2, U1	0.05222	0.00273	58	70.12827	0.132

Statistics for current covariance components model

Deviance = 6118.640754
 Number of estimated parameters = 17

Modell L₂ für den Optimismus

***** ITERATION 19 *****

Sigma_squared = 0.40594

Standard Error of Sigma_squared = 0.01503

Tau(pi)
 INTRCPT1,P0 0.30827 -0.03485
 MC,P1 -0.03485 0.06013

Standard Errors of Tau(pi)
 INTRCPT1,P0 0.02539 0.01350
 MC,P1 0.01350 0.01615

Tau(pi) (as correlations)
 INTRCPT1,P0 1.000 -0.256
 MC,P1 -0.256 1.000

```
-----
Random level-1 coefficient  Reliability estimate
-----
INTRCPT1, P0 0.430
MC, P1 0.115
```

Tau(beta)
 INTRCPT1 MC
 INTRCPT2,B00 INTRCPT2,B10
 0.02275 -0.01532
 -0.01532 0.02151

Tau(beta) (as correlations)
 INTRCPT1/INTRCPT2,B00 1.000 -0.692
 MC/INTRCPT2,B10 -0.692 1.000

Standard Errors of Tau(beta)
 INTRCPT1 MC
 INTRCPT2,B00 INTRCPT2,B10
 0.01099 0.00730
 0.00730 0.00912

```
-----
Random level-2 coefficient  Reliability estimate
-----
INTRCPT1/INTRCPT2, B00 0.186
MC/INTRCPT2, B10 0.222
```

The value of the likelihood function at iteration 19 = -2.946284E+003
 The outcome variable is YOPTIM

Final estimation of fixed effects:

Fixed Effect	Coefficient	Standard Error	T-ratio	P-value
For INTRCPT1, P0				
For INTRCPT2, B00				
INTRCPT3, G000	0.048024	0.055442	0.866	0.390
ZAMC1, G001	0.011949	0.037068	0.322	0.748
ZALDRU1, G002	-0.013319	0.033257	-0.400	0.690
For SEX, B01				
INTRCPT3, G010	-0.206623	0.050054	-4.128	0.000
For JAHRSTU1, B02				
INTRCPT3, G020	0.085557	0.068557	1.248	0.212
For MC slope, P1				
For INTRCPT2, B10				
INTRCPT3, G100	0.346543	0.029787	11.634	0.000
ZAMC1, G101	0.030774	0.031536	0.976	0.334
ZSDMC1, G102	0.070455	0.029156	2.417	0.019
For TIME slope, P2				
For INTRCPT2, B20				
INTRCPT3, G200	0.075528	0.023217	3.253	0.002
For JAHRSTU1, B21				
INTRCPT3, G210	-0.038490	0.033099	-1.163	0.245

Final estimation of level-1 and level-2 variance components:

Random Effect	Standard Deviation	Variance Component	df	Chi-square	P-value
INTRCPT1, R0	0.55522	0.30827	748	1689.23250	0.000

MC slope,	R1	0.24521	0.06013	750	935.89057	0.000
level-1,	E	0.63713	0.40594			

Final estimation of level-3 variance components:

Random Effect	Standard Deviation	Variance Component	df	Chi-square	P-value
INTRCPT1/INTRCPT2, U0	0.15084	0.02275	57	84.35251	0.011
MC/INTRCPT2, U1	0.14666	0.02151	57	95.54701	0.001

Statistics for current covariance components model

Deviance = 5892.567999
Number of estimated parameters = 17

Modell L2 für den Schulnotenindex

***** ITERATION 23 *****

Sigma_squared = 0.38364

Standard Error of Sigma_squared = 0.01398

Tau(pi)

INTRCPT1,P0	0.38089	-0.01211
MC,P1	-0.01211	0.01354

Standard Errors of Tau(pi)

INTRCPT1,P0	0.02756	0.01254
MC,P1	0.01254	0.01184

Tau(pi) (as correlations)

INTRCPT1,P0	1.000	-0.169
MC,P1	-0.169	1.000

Random level-1 coefficient Reliability estimate

INTRCPT1, P0	0.482
MC, P1	0.034

Tau(beta)

INTRCPT1	MC
INTRCPT2,B00	INTRCPT2,B10
0.09585	0.01788
0.01788	0.00443

Tau(beta) (as correlations)

INTRCPT1/INTRCPT2,B00	1.000	0.867
MC/INTRCPT2,B10	0.867	1.000

Standard Errors of Tau(beta)

INTRCPT1	MC
INTRCPT2,B00	INTRCPT2,B10
0.02533	0.00825
0.00825	0.00483

Random level-2 coefficient Reliability estimate

INTRCPT1/INTRCPT2, B00	0.441
MC/INTRCPT2, B10	0.068

The value of the likelihood function at iteration 23 = -2.904462E+003

The outcome variable is YNOTE

Final estimation of fixed effects:

Fixed Effect	Coefficient	Standard Error	T-ratio	P-value
For INTRCPT1, P0				
For INTRCPT2, B00				
INTRCPT3, G000	-0.102047	0.074781	-1.365	0.178
ZAMC1, G001	0.056322	0.052716	1.068	0.290
ZALDRU1, G002	-0.054862	0.047709	-1.150	0.255
For SEX, B01				
INTRCPT3, G010	0.320565	0.053125	6.034	0.000
For JAHRSTU1, B02				
INTRCPT3, G020	-0.220665	0.097788	-2.257	0.024
For MC slope, P1				
For INTRCPT2, B10				
INTRCPT3, G100	-0.008701	0.021876	-0.398	0.692
ZAMC1, G101	0.027294	0.024124	1.131	0.263
ZSDMC1, G102	-0.010230	0.020063	-0.510	0.612
For TIME slope, P2				
For INTRCPT2, B20				
INTRCPT3, G200	-0.336371	0.058560	-5.744	0.000
For JAHRSTU1, B21				
INTRCPT3, G210	0.134295	0.031300	4.291	0.000
For TIME2 slope, P3				
For INTRCPT2, B30				
INTRCPT3, G300	0.076253	0.027010	2.823	0.005

Final estimation of level-1 and level-2 variance components:

Random Effect		Standard Deviation	Variance Component	df	Chi-square	P-value
INTRCPT1,	R0	0.61716	0.38089	748	1569.86331	0.000
MC slope,	R1	0.11637	0.01354	750	766.19631	0.333
level-1,	E	0.61939	0.38364			

Final estimation of level-3 variance components:

Random Effect		Standard Deviation	Variance Component	df	Chi-square	P-value
INTRCPT1/INTRCPT2, U0		0.30960	0.09585	57	202.05070	0.000
MC/INTRCPT2, U1		0.06658	0.00443	57	66.79424	0.176

Statistics for current covariance components model

Deviance = 5808.924522
Number of estimated parameters = 18