Results 4-Cluster solution

Übersicht

Anzahl

	Cluster 1	Cluster 2	Cluster 3	Cluster 4
N	17	29	16	8
withPCS	13	10	13	7
WithoutPCS	4	19	3	1
Female	13	14	9	5
Male	4	15	7	3
Divers	0	0	0	0

Age

	Cluster 1	Cluster 2	Cluster 3	Cluster 4	
M(SD)	47.5(16.0)	47.9(12.1)	52.4(13.4)	53.5(15.0)	$F_{(3,66)} = .727$ | p = .54
withPCS	48.4(15.1)	51.5(10.4)	51.7(11.0)	54.3(16.1)	$F_{(3,39)} = .335$ | p = .8
WithoutPCS	44.5(20.9)	46.0(12.8)	55.7(25.1)	48	$F_{(3,23)} = .38$ | p = .769
	.747	.2194	.8117		F & p-value

Education

	Cluster 1	Cluster 2	Cluster 3	Cluster 4	
M(SD)	15.24(2.74)	15.83(3.38)	14.5(2.68)	15.06(3.41)	$F_{(3,66)} = .659$ | p = .58
withPCS	15.2(1.93)	15.3(3.54)	14.8(2.76)	14.9(3.66)	$F_{(3,39)} = .056$ | p = .983
WithoutPCS	15.5(5)	16.1(3.35)	13(2)	16	$F_{(3,23)} = .677$ | p = .575
	.9002	.5606	.2533		F & p-value

Cognitive variables real values

Pvt

	Cluster 1	Cluster 2	Cluster 3	Cluster 4	
M(SD)	.38(.08)	.29(.02)	.31(.02)	.42(.05)	$F_{(3,66)} = 25.65$ | p = 4.09e-11***
withPCS	.384(.0849)	.293(.0204)	.309(.0233)	.418(.0565)	$F_{(3,39)} = 11.45$ | p = 1.6e-05***
WithoutPCS	.347(.0151)	.288(.0249)	.294(.0234)	.431	$F_{(3,23)} = 17$ | p = 4.88e-06***
	.1543	.5959	.4078		F & p-value

Nback1

	Cluster 1	Cluster 2	Cluster 3	Cluster 4	
M(SD)	11.06(4.04)	5.83(3.93)	9.81(5.58)	14.88(5.62)	$F_{(3,66)} = 10.37$ | p = 1.12e-05***
withPCS	11.2(3.93)	9(3.53)	10.7(5.82)	15.7(5.50)	$F_{(3,39)} = 2.852$ | p = .0497*
WithoutPCS	10.8(4.99)	4.16(3.04)	6(1.73)	9	$F_{(3,23)} = 4.882$ | p = .00903**
	.889	.001993	.02917		F & p-value

Nback2

	Cluster 1	Cluster 2	Cluster 3	Cluster 4	
M(SD)	14.53(2.96)	10.45(3.95)	16.06(2.91)	17.25(2.60)	$F(3,66) = 14.8$ | p = 1.8e-07***
withPCS	14.2(2.7)	11.2(3.94)	15.8(3.18)	18(1.63)	$F(3,39) = 7.811$| p = .000335***
WithoutPCS	15.8(3.86)	10.1(4.01)	17(1)	12	$F(3,23) = 4.602$| p = .0115*
	.4845	.4678	.2962		F & p-value

TmtA

	Cluster 1	Cluster 2	Cluster 3	Cluster 4	
M(SD)	25.91(6.49)	19.49(4.02)	30.93(7.8)	36.66(6.7)	$F(3,66) = 23.52$ | p = 1.81e-10***
withPCS	26.4(6.12)	20.4(2.94)	31.3(8.13)	36.3(7.14)	$F(3,39) = 9.892$| p = 5.56e-05***
WithoutPCS	24.4(8.43)	19(4.50)	29.4(7.43)	39.4	$F(3,23) = 7.309$| p = .0013**
	.6959	.3495	.7224		F & p-value

TmtB

	Cluster 1	Cluster 2	Cluster 3	Cluster 4	
M(SD)	46.53(9.69)	42.96(10.46)	67.19(19.39)	88.36(34.25)	$F(3,66) = 19.94$ | p = 2.61e-09***
withPCS	47(10)	42.7(9.72)	65.4(16.1)	91.7(35.5)	$F(3,39) = 12.8$ | p = 5.75e-06***
WithoutPCS	45(9.85)	43.1(11.1)	75(33.8)	64.8	$F(3,23) = 4.736$ | p = .0103*
	.7412	.9324	.6745		F & p-value

TmtDiff

	Cluster 1	Cluster 2	Cluster 3	Cluster 4	
M(SD)	20.62(6.38)	23.47(9.5)	36.27(21.29)	51.71(30.31)	$F(3,66) = 9.451$ | p = 2.8e-05***
withPCS	20.6(6.5)	22.4(8.43)	34.1(19.6)	55.5(30.7)	$F(3,39) = 7.363$ | p = .000504***
WithoutPCS	20.6(6.93)	24(10.2)	45.6(30.6)	25.4	$F(3,23) = 2.657$ | p = .0723
	.9878	.6431	.5874		F & p-value

Cognitive variables winsorized Data

PVT

	Cluster 1	Cluster 2	Cluster 3	Cluster 4	
M(SD)	.36(.04)	.29(.02)	.31(.02)	.41(.04)	$F(3,66) = 47.67$ | p = <2e-16***
withPCS	.369(.0423)	.293(.0204)	.309(.0233)	.410(.0455)	$F(3,39) = 23.68$ | p = 6.81e-09***
WithoutPCS	.347(.0151	.288(.0249)	.294(.0234)	.431	$F(3,23) = 17$ | p = 4.88e-06***
	.1371	.5959	.4078		F & p-value

TmtA

	Cluster 1	Cluster 2	Cluster 3	Cluster 4	
M(SD)	25.92(6.49)	19.49(4.02)	30.66(7.12)	36.44(6.29)	$F(3,66) = 24.74$ | p = 7.66e-11***
withPCS	26.4(6.12)	20.4(2.94)	31(7.32)	36(6.68)	$F(3,39) = 10.69$ | p = 2.91e-05***
WithoutPCS	24.4(8.43)	19(4.5)	29.4(7.43)	39.4	$F(3,23) = 7.309$ | p = .0013**
	.6959	.3495	.7655		F & p-value

TmtB

	Cluster 1	Cluster 2	Cluster 3	Cluster 4		
M(SD)	46.53(9.69)	42.96(10.46)	65(14.82)	76.69(11.57)	$F(3,66) = 26.06$	p = 3.09e-11***
withPCS	47(10)	42.7(9.72)	64.5(14.1)	78.4(11.4)	$F(3,39) = 18.12$	p = 1.6e-07***
WithoutPCS	45(9.85)	43.1(11.1)	67.3(21.2)	64.8	$F(3,23) = 4.195$	p = .0166*
	.7412	.9324	.8409		F & p-value	

TmtDiff

	Cluster 1	Cluster 2	Cluster 3	Cluster 4		
M(SD)	20.62(6.38)	23.47(9.5)	34.34(16.74)	40.25(10.87)	$F(3,66) = 8.89$	p = 4.98e-05***
withPCS	20.6(6.5)	22.4(8.43)	33.5(17.2)	42.4(9.78)	$F(3,39) = 7.023$	p = .00069***
WithoutPCS	20.6(6.93)	24(10.2)	37.9(17.2)	25.4	$F(3,23) = 1.753$	p = .184
	.9878	.6431	.7163		F & p-value	

Cognitive variables standardized data

PVT

	Cluster 1	Cluster 2	Cluster 3	Cluster 4		
M(SD)	.72(.66)	-.66(.37)	-.42(.48)	1.71(.72)	$F(3,66) = 58.93$	p = <2e-16***
withPCS	.787(.739)	-.644(.330)	-.312(.420)	1.7(.778)	$F(3,39) = 29.83$	p = 3.42e-10***
WithoutPCS	.517(.283)	-.675(.399)	-.899(.482)	1.84	$F(3,23) = 22.58$	p = 4.83e-07***
	.2969	.8235	.1552		F & p-value	

Nback1

	Cluster 1	Cluster 2	Cluster 3	Cluster 4		
M(SD)	.37(.74)	-.59(.72)	.14(1.03)	1.08(1.04)	$F(3,66) = 10.37$	p = 1.12e-05***
withPCS	.389(.725)	-.0079(.65)	.304(1.07)	1.23(1.01)	$F(3,39) = 2.851$	p = .0497*
WithoutPCS	.315(.92)	-.9(.561)	-.561(.319)	--.0079	$F(3,23) = 4.882$	p = .00903**
	.889	.001993	.02917		F & p-value	

Nback2

	Cluster 1	Cluster 2	Cluster 3	Cluster 4		
M(SD)	.24(.69)	-.71(.93)	.60(.68)	.88(.61)	$F(3,66) = 14.8$	p = 1.8e-07***
withPCS	.153(.633)	-.539(.923)	.55(.746)	1.05(.382)	$F(3,39) = 7.811$	p = .000335***
WithoutPCS	.527(.905)	-.808(.938)	.82(.234)	-.351	$F(3,23) = 4.602$	p = .0115*
	.4845	.4678	.2962		F & p-value	

TmtA

	Cluster 1	Cluster 2	Cluster 3	Cluster 4		
M(SD)	.11(.46)	-.85(.42)	.70(.82)	1.44(.54)	$F(3,66) = 49.52$	p = <2e-16***
withPCS	.148(.431)	-.778(.38)	.743(.866)	1.35(.509)	$F(3,39) = 20.49$	p = 3.91e-08***
WithoutPCS	-.0051(.597)	-.888(.438)	.511(.683)	2.09	$F(3,23) = 19.18$	p = 1.87e-06***
	.6579	.4872	.6442		F & p-value	

TmtB

	Cluster 1	Cluster 2	Cluster 3	Cluster 4	
M(SD)	-.34(.39)	-.66(.63)	.78(.66)	1.58(.47)	$F_{(3,66)}$ = 45.03 | p = 5.83e-16***
withPCS	-.336(.442)	.795(.416)	.791(.712)	1.55(.504)	$F_{(3,39)}$ = 34.9 | p = 3.94e-11***
WithoutPCS	-.36(.189)	-.594(.721)	.719(.421)	1.79	$F_{(3,23)}$ = 7.112 | p = .00151**
	.8822	.3506	.828		F & p-value

TmtDiff

	Cluster 1	Cluster 2	Cluster 3	Cluster 4	
M(SD)	-.52(.45)	-.22(.90)	.47(1.13)	.98(.70)	$F_{(3,66)}$ = 7.77 | p = .000161***
withPCS	-.536(.476)	-.559(.57)	.434(1.21)	1.05(.72)	$F_{(3,39)}$ = 8.467 | p = .000187***
WithoutPCS	-.478(.435)	-.0446(1.01)	.618(.896)	.436	$F_{(3,23)}$ = .858 | p = .477
	.8276	.09029	.7803		F & p-value

Questionnaires

Facit

	Cluster 1	Cluster 2	Cluster 3	Cluster 4	
M(SD)	32.18(13.74)	37.17(11.42)	36.06(11.65)	28.86(10.75)	$F_{(3,65)}$ = 1.275 | p = .291
withPCS	28(12.7)	27.7(11.1)	35.5(11.5)	30.2(11.1)	$F_{(3,38)}$ = 1.156 | p = .339
WithoutPCS	45.8(6.18)	42.2(8.08)	38.7(14.5)	21	$F_{(3,23)}$ = 2.356 | p = .0983.
	.002949	.002596	.747		F & p-value

HadsA

	Cluster 1	Cluster 2	Cluster 3	Cluster 4	
M(SD)	6.88(4.12)	5.17(3.7)	6.06(3.57)	7.14(3.63)	$F_{(3,65)}$ = .99 | p = .403
withPCS	7.46(3.64)	8(3.27)	6.23(3.7)	6.5(3.51)	$F_{(3,38)}$ = .573 | p = .636
WithoutPCS	5(5.6)	3.68(3.04)	5.33(3.51)	11	$F_{(3,23)}$ = 1.541 | p = .231
	.4567	.002911	.7184		F & p-value

HadsD

	Cluster 1	Cluster 2	Cluster 3	Cluster 4	
M(SD)	5.47(4.73)	4.39(4.31)	6.27(5.06)	5.00(3.56)	$F_{(3,63)}$ = .594 | p = .621
withPCS	6.77(4.53)	6.3(3.34)	6.08(5.12)	4.5(3.62)	$F_{(3,38)}$ = .376 | p = .771
WithoutPCS	1.25(2.5)	3.33(4.51)	7.5(6.36)	8	$F_{(3,21)}$ = 1.261 | p = .313
	.01144	.05935	.8066		F & p-value

PSQI

	Cluster 1	Cluster 2	Cluster 3	Cluster 4	
M(SD)	8.4(4.63)	6.24(3.67)	7.08(4.46)	8.20(2.77)	$F_{(3,54)}$ = 1.003 | p = .398
withPCS	9.08(4.56)	8.9(3.45)	7(4.88)	8.75(2.87)	$F_{(3,32)}$ = .523 | p = .669
WithoutPCS	5.67(4.62)	4.47(2.64)	7.33(3.51)	6	$F_{(3,18)}$ = .827 | p = .496
	.3324	.003341	.9014		F & p-value

MoCa

MoCA

	Cluster 1	Cluster 2	Cluster 3	Cluster 4
Auffällig	1	2	3	5
withPCS	1	1	3	5
WithoutPCS	0	1	0(1NA)	0

PSQI

	Cluster 1	Cluster 2	Cluster 3	Cluster 4	
M(SD)					
withPCS					
WithoutPCS					
					F & p-value