

# The Invariant Component Structure of the Personality Assessment Inventory (PAI) Full Scales

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N = 220

Abstract  
The Personality Assessment Inventory (PAI) is a self-report measure of personality and clinical status. The present study examined the invariant component structure of the PAI full scales using a confirmatory factor analysis (CFA) approach. A 5-factor model was tested, and the results supported the presence of five invariant factors across the full scales. The factors were labeled as follows: (1) Externalization, (2) Internalization, (3) Socialization, (4) Affective stability, and (5) Self-regulation. The results suggest that the PAI full scales can be reliably measured using a 5-factor model.

t	(N)	M	%	M			
M(1 1)	(1, 4)		%	22		> 1	4
M(1 1)	(1, 2, 4)		%	22		> 1	4
(1 4)	M(1 1)		%	22	M		4
(1 4)	M(1 1)		%	22	M	5	
(1 4)	M(1 1)		%	22			
(1 5)	(1 3, 4 . 5)			22		>	4
(2 2)	(2 3 . .)			> 2SD	22	> 1	5
(2 5)	(4 3 2, 2)			22		4	
(2 5)	(4 . 4)		%	22		> 1	4
(2 5)	M(2 1 1 5)			21	a	M	5
(1 4)	(2 1 1 . 5)			2		> 1	5
(2 .)	(1 4 . .)			2	b		4
(1 5)	(3 1 . . 3)			2	b		4
(2 .)	(4 2 1 4 . .)			1	c		4
(2 .)	(4 2 1 4 . .)			1	d		3
(1 1)	(1, 4 . .)		%	11		> 1	2
(1 1)	(1, 2, 4 . 1. 4)		%	11		> 1	3
(1 5)	(1 3, 4 . 5)			11		>	3
(2 5)	(4 3 2, 2)			11		1 2 3	
(2 .)	( . . . .)			1		( . . . .)	

Musical notation for the first system, featuring a treble clef, a key signature of one sharp (F#), and a 4/4 time signature. The notation includes a series of notes with stems and beams, and rests, with some notes marked with 't' below them.

M . . . . .

Musical notation for the second system, featuring a treble clef, a key signature of one sharp (F#), and a 4/4 time signature. The notation includes a series of notes with stems and beams, and rests, with some notes marked with 't' below them. The system contains several measures with complex rhythmic patterns and dynamic markings.



24  
M 1

5. M 2. M )  
22 2. %

2 2, 2. %  
2 5, 4. % 1 5, 5. %

1 5 ( )  
= .5 ) , ( . % 12. %  
) , ( 5 . 1% ( 1.4 % 1 . %

$$M = 2 . 2 SD$$

5.  
1  
M 1 1)

	1	2	3	$h^2$
.1	.1			.55
	.15	.14		.42
	.78	.24		.5
	.60	.2		.3
	.67	.3		.1
	.81	.3		.15
	.83	.5		.3
	.91	.1		.3
.1	.77	.1		.1
	.76	.13		.1
	.78	.1		.14
	.82	.21		.14
.11	.54	.60		.2
	.4	.23		.73
	.12	.73		.5
.34	.50	.2		.53
	.57	.1		.13
	.66	.		.45
	.68	.11		.4
	.71	.11		.5
	.3	.81		.2
	-.51	.3		.2
$r_{12}$ (%)	a	35.3	.54	12.1
R	2	.13		
	3	.2	.2	

Note.  $h^2 = r^2$

2.2 (2) . . . . .  
 2.2 (2) . . . . .  
 (2) . . . . .  
 35% . . . . .  
 (2) . . . . .  
 5% . . . . .

$$\begin{pmatrix} 2 \\ 2 \end{pmatrix} M, 1$$

$$\& 2 \begin{pmatrix} 2 \\ 2 \end{pmatrix} M, 1$$

$$\begin{pmatrix} 2 \\ 2 \end{pmatrix}$$

Š1. 1.

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*matrices*

*Procrustes-adjusted*

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*Procrustes*

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$$\begin{pmatrix} 2 \\ 2 \end{pmatrix} M, 1$$

$$\& 1 \begin{pmatrix} 2 \\ 2 \end{pmatrix} M, 1$$

*Procrustes*

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$$\begin{pmatrix} 2 \\ 2 \end{pmatrix}$$

4

		$\mu_M$				$\mu_M$				$\mu_M$				$\mu_M$				$\mu_M$							
		(1 1)		(1 1)		(2 5)		(2 2)		(2 )		1													
	t	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
M									.76		.72		.81		.72		.4	.87		.577	.83		.589	.87	
M			.86		.1	.75							.89				.288					.4		.75	.5
			.88		.2	.41							.1				.4								
			.88	.89	.51				.88			.2	.5								.3	.1		.89	.5
			.89	.89	.49			.4	.76				.5										.1	.87	.3
t			.4		.2	.76		.85	.89			.2			.2		.3			.1	.89		.2		

Note:  $\mu_M$  (2 5) =  $\mu_M$  (2 2) <  $\mu_M$  (2 ) =  $\mu_M$  =  $\mu_M$  (1 1)  $\mu_M$  =  $\mu_M$  (1 1)  $\mu_M$  =  $\mu_M$  (1 1)  $\mu_M$  =  $\mu_M$





	1	2	3
		§.2	§.12
		§.	§.3
		§.1	§.12
		.15	§.3
		.1	§.3
		.12	§.15
		.	.34
		.	.3
		.12	§.4
	§.1	.	.
	§.5	.21	.1
	§.	.12	.1
	§.	.2	.22
	.4	.22	.
	.	§.5	.
	.12	.5	§.3
	.3	§.	.12
	§.13	§.5	.
	§.4	.3	§.1
	.1	.1	§.13
3	.23	34 3	.

Note. ( )

= 1 ) .

(2 5)

M

2

... & ... (2 5) ...  
*Personality and Individual Differences*, 38, 1 ...  
 ... (1 4) ... *Diagnostic and statistical manual of*  
*mental disorders* (4+).  
 M ... & M ... (2 ) ...  
*Journal of*  
*Personality Assessment*, 88, 1124 .  
 ... H, & H ... (1 ) ...  
*Psychological Assessment*, 11, 514-524 .  
 ... (2 5) ... *Orthosim 2 (ersion 2.0): Target-comparison matrix*  
*ting* ... 13, 2 ...  
 ... & H ... (1 ) ...  
 ... 34 ...  
 25, 51 .  
 ... (1 ) ...  
 ...  
 3 43 .  
 ... & ... (1 4) ... 5 ... / ...

M . . (1 1). *Personalit Assessment In entor : Professional mañal.*

M . . (1 ) . . . . .  
H . . & . . . . . *Handbook of personalit ps cholog*  
( . 1 4 ) . . . . .

M . . (1 ) . . *PAI interpretati e explorer modle mañal.*

M . . (2 ) . . *Personalit Assessment In entor : Professional mañal*  
( 2 . ) . . . . .

M . . & . . H (1 4) . . . . .  
. . . . . *Differentiating normal and abnormal personalit*  
( . 4 24 2 ) . . . . .  
( 2 ) . . . . .