

FREN 11

FRENCH JW - (MALE) ENTERING PLEBES USMA WEST POINT
 THE FACTORIAL INVARIANCE OF PURE-FACTOR TESTS
 J EDUC PSYCHOL 1957 48 93-109
 PEARSON R'S FROM ADI DOC 5163 (VARS. 1-38 ONLY)

N= 410

*** HIERARCHICAL FACTOR MATRIX, ORDER 1 ***

V#		1	2	3	4	5	6	7	8	9	10	11	12	13	H^2
	FACTOR 1: O2;F1 BROAD SPEEDINESS.....2S; ORDER 2														
	FACTOR 2: O1;F4 TEST-TAKING SPEED .....R9; ORDER 1														
1	+10 SOCIAL JUDGMENT SJ	.59	.70	-.04	-.00	.03	.01	-.02	-.05	-.02	.04	.05	.13	.00	.86
2	+ 9 VISUAL PREFERENCE SJ	.50	.51	.06	.04	.01	-.01	.01	-.01	.01	-.01	-.10	.13	.01	.54
3	+11 SIZE JUDGMENT SJ	.50	.49	.04	-.05	.01	-.03	-.10	.20	.02	.19	.19	.29	.08	.70
	FACTOR 3: O1;F9 EXPRESSIONAL FLUENCY .....FE; ORDER 1														
4	+27 METAPHORS FE	.40	-.05	.77	-.00	.02	-.08	-.06	-.07	.00	.07	.01	.12	.00	.78
5	+29 MULTIPLE EXPRESSIONS FE	.28	.03	.41	.02	.04	.03	-.03	.05	.01	-.07	.25	.08	-.02	.33
	FACTOR 4: O1;F7 AIMING .....AI; ORDER 1														
6	+31 TRACING-EASY Ai	.42	-.01	-.03	.67	.10	.01	-.04	.29	.02	-.03	.03	.14	.00	.74
7	+32 TRACING-DIFFICULT Ai	.35	.01	.02	.66	-.03	-.02	.02	.15	-.01	.04	-.04	.05	-.01	.58
8	+30 DOTTING Ai	.43	.01	.04	.41	.19	.11	-.01	.20	.01	-.00	-.05	.14	.02	.47
	FACTOR 5: O1;F5 WRITING SPEED .....WS; ORDER 1														
9	+35 WRITING DIGITS FD	.38	.03	.02	-.06	.76	-.01	.02	.09	.02	-.04	-.05	.23	-.00	.79
10	+34 WRITING "LACK" FD	.34	.02	.03	.06	.64	-.05	.08	.02	-.02	.01	.05	.21	.00	.59
11	+33 WRITING X'S FD	.34	-.02	-.04	.07	.49	.09	-.09	.10	-.01	.05	.05	.14	.01	.41
	FACTOR 6: O1;F10 PERCEPTUAL SPEED.....P; ORDER 1														
12	+12 PICTURE DISCRIMINATION P	.41	.15	.02	.04	.04	.41	.044	.465	.07	.02	.094	.315	.11	.70
	FACTOR 7: O1;F8 CAREFULNESS .....AC; ORDER 1														
13	+18 CHECK'G ADD.&DIV. (-WRONG) . C	-.30	-.09	-.02	.05	-.01	-.01	.50	.09	-.01	-.01	.04	.13	.02	.38
14	+19 SUBTRACT'N & MULT. (-WRONG) . C	-.24	-.01	-.08	.05	.01	-.09	.43	.14	.01	.00	.02	.17	.03	.31
15	+17 PICTURE DISCRIM. (-WRONG) .. C	-.28	-.04	-.01	-.13	-.02	.11	.42	.15	.02	.04	-.05	-.04	-.03	.31
16	+20 CANCELLATION (-OMIT) C	-.19	.00	-.01	-.08	.07	-.00	.34	.04	.01	-.04	-.06	-.00	-.03	.17
	FACTOR 8: O2;F2 FLUID/CRYSTAL'D INTELL. ..2H; ORDER 2														
	FACTOR 9: O1;F1 VISUALIZATION .....VZ; ORDER 1														
17	+ 7 BLOCK COUNTING S	.08	.02	-.01	-.01	-.01	.01	-.12	.68	.18	.11	-.07	-.00	-.04	.54
18	+26 LOCATIONS I	.10	.05	-.01	.04	.01	-.02	-.05	.57	.16	-.17	.03	.25	.04	.47
19	+ 6 SIMILAR FIGURES S	.00	-.09	.03	-.06	.05	.14	.00	.61	.15	-.02	.02	.08	-.00	.44
20	+22 FOLDED PAPER TEST Vi	-.01	-.01	-.02	.08	-.02	.03	.13	.65	.15	.11	-.03	.09	-.01	.49
21	+ 5 FIGURE ANALOGIES D	-.01	.04	.03	.05	-.03	-.02	.17	.62	.15	-.01	.09	.19	.01	.48
22	+23 MECHANICAL MOVEMENTS Vi	.03	-.03	-.04	-.07	.05	.02	-.09	.65	.144	.315	-.03	.03	.00	.56
23	+ 4 MATH REASONING (ENTRANCE) ..D;N	-.17	-.08	-.05	-.03	.01	-.22	.04	.52	.13	.03	.104	.335	.08	.51
24	+24 INDUCING RULES I	.12	.07	.15	-.01	-.03	.05	.07	.59	.12	-.02	.29	.22	.02	.54

25 + 8 MINN.PAPER FORM BOARD	..... S	.15	.01	-.01	.03	.03	.24	.05	.58	.12	.12	-.04	.07	.01	.46
26 +21 SIMILAR ROTATIONSVi	.03	.02	-.04	-.01	-.02	.06	.09	.51	.11	.14	-.06	.18	.05	.34
27 +25 LETTER SETS I	.17	.08	.14	.03	-.11	.10	.07	.34	.08	-.11	.084	.305	.09	.32

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(CONTINUED)

*** HIERARCHICAL FACTOR MATRIX, ORDER 2 ***

HF #	1ST-ORD FACTOR	1	8	12	H^2
FACTOR 1: O2;F1 BROAD SPEEDINESS.....2S; ORDER 2					
HF 2	O1;F4 TEST-TAKING SPEED .....R9	.64	-.03	.14	.43
HF 3	O1;F9 EXPRESSIONAL FLUENCY .....FE	.49	-.09	.13	.26
HF 4	O1;F7 AIMING .....AI	.47	.25	.12	.29
HF 5	O1;F5 WRITING SPEED .....WS	.44	.09	.25	.26
HF 6	O1;F10 PERCEPTUAL SPEED.....P	.39	.24	-.15	.23
HF 7	O1;F8 CAREFULNESS .....AC	-.41	.16	.17	.22
FACTOR 8: O2;F2 FLUID/CRYSTAL'D INTELL. ..2H; ORDER 2					
HF 9	O1;F1 VISUALIZATION .....VZ	.03	.95	.19	.94
HF10	O1;F6 MECHANICAL KNOWLEDGE .....MK	.08	.42	-.13	.20
HF11	O1;F3 VERBAL ABILITY .....V	-.08	.35	.13	.15
FACTOR 12: O2;F3 NUMBER/PERCEPTUAL .....2*; ORDER 2					
HF13	O1;F2 NUMERICAL FACILITY .....N	.24	.11	.89	.87

SMSQ: 1.45 1.38 1.03 3.86