

ALLE 11
~~ALLE 12~~

ALLEN TW/ROSE AM/KRAMER LJ
 AN INFORMATION PROCESSING APPROACH TO PERFORMANCE ASSESSMENT;
 III- AN ELABORATION AND REFINEMENT OF AN INFORMATION PROCESSING
 PERFORMANCE BATTERY. WASHINGTON- AIR NOV 1978
 DAY 1 TESTING. PEARSON R'S FOR 14 SELECTED VARIABLES

N=68

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

V#	1	2	3	4	5	6	7	H^2
FACTOR 1: G2;F1 FLUID/CRYSTAL'D INTELL. ...2H; ORDER 2								
FACTOR 2: O1;F5 NUMERICAL FACILITYN; ORDER 1								
1 ++31 MENTAL ADD'N MEAN (DAY 1&2)...	.57	.42	.01	.06	.22	.00	.06	.55
2 ++28 MENTAL ADDITION SLOPE(DAY 1&2)	.55	.40	.01	-.07	-.03	.15	-.07	.50
FACTOR 3: O1;F2 MEMORY SPAN/REGISTRATION ..MS; ORDER 1								
3 +-14 LETTER RECALL SLOPE (DAY 1&2).	.36	-.03	.74	-.06	-.04	.03	-.00	.69
4 ++13 LETTER RECALL INTERCEPT/DY 1&2	.47	.04	.72	.05	.04	-.03	.00	.74
FACTOR 4: O1;F4 FREE RECALL (2NDARY MEM.) M6; ORDER 1								
5 ++-1 LETTER ROTATIONS INTERCEPT....	.15	-.02	.03	.69	.174	.325	-.21	.68
6 +-52 SENTENCE RECOGN'N MEAN ERROR .	.22	.02	.21	.59	.00	.01	.01	.44
7 ++58 SENTENCE RECALL MAX CLUSTER...	.18	.11	-.04	.38	.04	-.14	-.02	.21
FACTOR 5: O1;F3 SCAN & SEARCH PARAMETERS ..R*; ORDER 1								
8 +-47 SCAN & SEARCH DEGR'D SLOPE....	.11	.02	.03	.02	.90	.22	-.01	.87
9 ++46 SCAN & SEARCH DEGR'D INTERCEPT	-.13	-.02	-.04	-.04	.76	.004	.615	.97
FACTOR 6: O1;F6 VIS'L MEMORY SEARCH/SLOPE R5; ORDER 1								
10 +-37 SET MEMBERSHIP SLOPE09	-.01	.004	.3954	.335	.58	-.02	.61
11 +-59 SENTENCE RECALL CLUSTER LEVEL	.05	.05	-.06	-.00	.03	.53	.04	.30
FACTOR 7: O1;F1 MENTAL COMPARISON SPEED ...R4; ORDER 1								
12 ++-9 PHYSICAL MATCH	-.06	.09	.03	-.25	.03	.01	.78	.68
13 ++36 SET MEMBERSHIP INTERCEPT.....	-.13	-.02	.01	.03	-.024	.355	.66	.57
14 ++2 LETTER ROTATIONS SLOPE	-.12	.02	-.154	.455	-.03	-.00	.59	.58
SMSQ: 1.16 .36 1.15 1.40 1.59 .94 1.80 8.39								

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(CONTINUED)

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

HF #	1ST-ORD FACTOR	1	H^2
	FACTOR 1: O2;F1 FLUID/CRYSTAL'D INTELL. ...2H; ORDER 2		
HF 2	O1;F5 NUMERICAL FACILITYN	.80	.64
HF 3	O1;F2 MEMORY SPAN/REGISTRATION ..MS	.49	.24
HF 4	O1;F4 FREE RECALL (2NDARY MEM.) M6	.14	.02
HF 5	O1;F3 SCAN & SEARCH PARAMETERS ..R*	.06	.00
HF 6	O1;F6 VIS'L MEMORY SEARCH/SLOPE R5	.04	.00
HF 7	O1;F1 MENTAL COMPARISON SPEED ...R4	-.20	.04
	SMSQ:	.94	.94
