

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 2 TESTING. PEARSON R'S FOR 14 VARIABLES. ADULT VOLUNTEERS

N=68

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

V#	1	2	3	4	5	6	7	H^2
FACTOR 1: O2;F1 FLUID/CRYSTAL'D INTELL. ...2H; ORDER 2								
FACTOR 2: O1;F2 MEMORY SPAN/REGISTRATION ..MS; ORDER 1								
1 +-14 LETTER RECALL SLOPE DAY 1&2 ..	.54	.68	-.04	-.21	-.02	-.04	-.02	.80
2 ++13 LETTER RECALL INTERCEPT DY 1&2	.66	.63	.04	-.00	.02	.04	.03	.83
FACTOR 3: O1;F4 NUMERICAL FACILITY .....N; ORDER 1								
3 ++31 MENTAL ADD'N MEAN DAY 1&2 ....	.51	-.03	.49	.20	-.03	.00	.23	.59
4 ++28 MENTAL ADD'N SLOPE DAY 1&2 ...	.49	.04	.47	-.01	-.18	-.02	-.00	.49
FACTOR 4: O1;F6 FREE RECALL (2NDARY MEMORY M6; ORDER 1								
5 ++58 SENT. RECALL MAX CLUSTER DY1&2	.18	-.12	-.03	.56	-.01	-.01	.02	.36
6 +-52 SENTENCE RECOG'N ERROR DY1&2.	.25	.02	.04	.37	.04	.16	.00	.23
FACTOR 5: O1;F1 MENTAL COMPARISON SPEED ...R4; ORDER 1								
7 +-10 PHYSICAL MATCH DAY 2.....	.03	.01	.01	.04	.91	.01	-.02	.82
8 ++38 SET MEMBERSHIP INTERCEPT DAY 2	-.13	.00	-.01	-.04	.734	.565	-.03	.87
9 ++4 LETTER ROTATION SLOPE DAY 2 ..	-.16	-.11	-.01	-.01	.31	.10	.09	.15
10 +-3 LETTER ROTATION INTERCEPT DAY2	.25	-.03	.28	.05	-.37	.15	-.05	.30
FACTOR 6: O1;F5 VISUAL MEMORY SEARCH/SLOPE R5; ORDER 1								
11 +-39 SET MEMBERSHIP SLOPE DAY 2 ...	.05	.22	-.01	.03	-.03	.734	.315	.68
12 +-59 SENT.RECALL CLUSTER LEVL/DY1&2	-.00	-.014	.3554	-.395	.02	.45	.04	.48
FACTOR 7: O1;F3 SCAN & SEARCH PARAMS. ....R*; ORDER 1								
13 +-47 SCAN & SEARCH DEG'D INT/DAY1&2	.01	.03	.18	-.02	.01	.04	.86	.77
14 ++46 SCAN & SEARCH DEG'D INT/DY1&2.	-.16	-.03	-.00	.024	.515	-.05	.76	.87
SMSQ: 1.44 .94 .70 .68 1.88 1.11 1.48 8.24								

=====

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 2 TESTING. PEARSON R'S FOR 14 VARIABLES. ADULT VOLUNTEERS

N=68

(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;F2 MEMORY SPAN/REGISTRATION ..MS	.71	.50
HF 3	O1;F4 NUMERICAL FACILITY .....N	.68	.47
HF 4	O1;F6 FREE RECALL (2NDARY MEMORY M6	.52	.27
HF 5	O1;F1 MENTAL COMPARISON SPEED ...R4	-.01	.00
HF 6	O1;F5 VISUAL MEMORY SEARCH/SLOPE R5	-.18	.03
HF 7	O1;F3 SCAN & SEARCH PARAMS. ....R*	-.19	.03

SMSQ: 1.31 1.31

=====