

VERN 21

VERNON PA/JENSEN AR - 50 BLACK; 56 WHITE MALE VOCAT'L COLLEGE
INDIVIDUAL AND GROUP DIFFERENCES IN INTELLIGENCE
AND SPEED OF INFORMATION PROCESSING
PERSONALITY & INDIV DIFFS 1984 5 411-423
RT VARS ONLY (NOT INTRAINDIV SD'S); SOME R'S SUPPLIED BY AUTHOR

N= 106

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

V#	1	2	3	4	5	H^2
FACTOR 1: O2;F1 GEN'L COGNITIVE ABILITY ..2G; ORDER 2						
FACTOR 2: O1;F3 QUANTITATIVE REASONING ...RQ; ORDER 1						
1 +10 ASVAB-ARITH. REASONING .....	.65	.66	.07	-.01	.01	.86
2 +16 ASVAB-MATH. KNOWLEDGE .....	.59	.38	.26	.19	-.01	.60
FACTOR 3: O1;F2 VERBAL ABILITY .....V; ORDER 1						
3 + 9 ASVAB-GENERAL SCIENCE .....	.47	-.00	.70	-.07	.02	.72
4 +11 ASVAB-WORD KNOWLEDGE .....	.44	-.01	.63	.03	-.03	.59
5 +18 ASVAB-ELECTRONICS INFORMATION .....	.52	.11	.54	.12	-.01	.59
6 +15 ASVAB-AUTO/SHOP INFORMATION ..	.41	.06	.53	-.03	-.01	.46
7 +12 ASVAB-PARAGRAPH COMPREHENSION ..	.40	-.02	.53	.08	.05	.45
8 +17 ASVAB-MECHANICAL COMPREHENSION ..	.51	.29	.39	-.13	.05	.51
FACTOR 4: O1;F4 NUMERICAL FACILITY .....N; ORDER 1						
9 +13 ASVAB-NUMERICAL OPS. (SPEEDED)	.35	.02	.07	.73	.05	.66
10 +14 ASVAB-CODING SPEED (SPEEDED) .	.19	.07	-.02	.39	-.01	.20
FACTOR 5: O1;F1 SEMANTIC INFO. PROC'G ....R4; ORDER 1						
11 + 4 TASK 2 (&1) MEM SEARCH DIGITS.	.31	.06	-.09	.02	.85	.82
12 + 3 TASK 1(&2) POSNER WORDS S-D RT	.31	.00	.03	-.02	.82	.76
13 + 6 TASK 2 (&7) MEM SEARCH DIGITS	.27	.08	-.10	-.04	.79	.72
14 + 5 TASK 7 (&2) POSNER WDS SYN-ANT	.37	.02	.14	-.08	.78	.78
15 + 2 MEMORY SEARCH DIGITS: RT .....	.26	.01	-.12	.12	.78	.70
16 + 7 POSNER WORDS SYN-ANT : RT ....	.33	-.08	.23	-.08	.77	.76
17 + 1 POSNER WORDS SAME-DIFF: RT....	.27	-.06	.14	.05	.58	.44
18 + 8 HICK SIMPLE/CHOICE RT10	-.11	-.01	.22	.36	.20

SMSQ: 2.88 .72 2.11 .85 4.29 10.84

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(CONTINUED)

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

HF # 1ST-ORD FACTOR	1	H^2	
FACTOR 1: O2;F1 GEN'L COGNITIVE ABILITY ..2G; ORDER 2			
HF 2 O1;F3 QUANTITATIVE REASONING ...RQ	.67	.45	
HF 3 O1;F2 VERBAL ABILITY .....V	.58	.33	
HF 4 O1;F4 NUMERICAL FACILITY .....N	.36	.13	
HF 5 O1;F1 SEMANTIC INFO. PROC'G ....R4	.34	.11	
	SMSQ: 1.02	1.02	