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FLEISHMAN JJ/DUSEK ER - ARMY ENLISTED MEN
 RELIABILITY AND LEARNING FACTORS ASSOCIATED
 WITH COGNITIVE TESTS
 PSYCHOL REPORTS 1971 29 523-530 - DOC NAPS-01534

N=90

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

V#	1	2	3	4	5	6	H^2
FACTOR 1: O2;F1 GEN'L COGNITIVE ABILITY2G; ORDER 2							
FACTOR 2: O1;F1 VERBAL ABILITYV; ORDER 1							
1 +#V-3 VERBAL COMPREHENSION - 3	.83	.42	-.03	.01	-.10	-.02	.87
2 +#V-1 VERBAL COMPREHENSION - 1	.80	.37	.09	.04	.03	.00	.78
3 +#V-4 VERBAL COMPREHENSION - 4	.83	.32	.20	.14	.05	-.05	.87
4 +RE-1 SEMANTIC REDEFINITION - 1	.59	.31	.03	-.014	.485	.00	.68
5 +FW-2 WORD FLUENCY - 2	.66	.29	.22	.17	-.044	.395	.76
6 +FW-1 WORD FLUENCY - 1	.49	.27	.18	-.03	.064	.415	.53
FACTOR 3: O1;F3 QUANTITATIVE REASONINGRQ; ORDER 1							
7 +#N-2 NUMBER FACILITY - 2	.49	.03	.73	-.00	-.01	.01	.78
8 +#R-2 GENERAL REASONING - 2	.55	.02	.544	.415	-.05	-.02	.77
9 +#R-1 GENERAL REASONING - 1	.60	.06	.514	.495	.05	.14	.89
10 +MA-3 ASSOCIATIVE MEMORY - 3	.36	.10	.24	.15	.06	.12	.24
FACTOR 4: O1;F2 VISUALIZATIONVZ; ORDER 1							
11 +VZ-2 VISUALIZATION - 2	.33	-.00	.05	.77	.05	.18	.75
12 +#S-2 SPATIAL ORIENTATION - 2	.44	.09	-.05	.674	.305	.03	.75
13 +VZ-3 VISUALIZATION - 3	.47	.10	.01	.65	.22	.05	.70
14 +#I-3 INDUCTION - 3	.29	-.01	.12	.474	.305	-.15	.44
15 +MA-1 ASSOCIATIVE MEMORY - 1	.17	-.094	.395	.44	.14	.24	.45
16 +RS-1 SYLLOGISTIC REASONING - 1	.33	.03	.23	.43	-.17	.27	.45
FACTOR 5: O1;F4 PERCEPTUAL SPEEDP; ORDER 1							
17 +#P-2 PERCEPTUAL SPEED - 2	.27	.09	.02	.29	.71	.02	.67
18 +SS-1 SPATIAL SCANNING - 1	.16	.04	-.014	.455	.64	.26	.71
19 +#P-1 PERCEPTUAL SPEED - 1	.08	-.014	.365	.00	.44	.26	.40
20 +CF-1 FLEXIBILITY OF CLOSURE - 1	.09	.00	-.074	.355	.38	.02	.28
FACTOR 6: O1;F5 WORD FLUENCYFW; ORDER 1							
21 +FW-3 WORD FLUENCY - 3	.48	.25	-.024	.325	.02	.52	.66

SMSQ: 5.18 .78 1.64 3.07 1.80 .96 13.42

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

HF #	1ST-ORD FACTOR	1	H^2
	FACTOR 1: O2;F1 GEN'L COGNITIVE ABILITY2G; ORDER 2		
HF 2	O1;F1 VERBAL ABILITYV	.89	.80
HF 3	O1;F3 QUANTITATIVE REASONINGRQ	.51	.26
HF 4	O1;F2 VISUALIZATIONVZ	.43	.18
HF 5	O1;F4 PERCEPTUAL SPEEDP	-.07	.01
HF 6	O1;F5 WORD FLUENCYFW	-.29	.08
	SMSQ:	1.32	1.32