

FEDE 02

FEDERICO P-A/LANDIS DB - GRADS OF NAVY BASIC ELEC SCHLS
 RELATIONSHIPS AMONG SELECTED MEASURES OF COGNITIVE STYLES;
 ABILITIES; AND APTITUDES
 SAN DIEGO CA- NPRDC REPORT TR80-23 APR 1980
 R MATRIX CONVERTED FM APMS.R V4 - VARS 3 & 6 REFLECTED

N=201

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

V#	1	2	3	4	5	6	7	8	9	10	H^2
FACTOR 1: O2;F1 FLUID INTELLIGENCE .....2F; ORDER 2											
FACTOR 2: O1;F4 IDEATIONAL FLUENCY .....FI; ORDER 1											
1 +ASSOFLUN CONTRLD ASSOC I (ETS KIT	.41	.36	-.18	-.02	.10	.13	-.13	.21	-.13	.14	.46
2 +VERBCOMP VOCABULARY PT I (ETS KIT	.34	.36	-.034	-.3054	.3154	.305	.044	.305	.05	.04	.62
3 +IDEAFLUN TOPICS PT I (ETS KIT)...	.45	.32	.03	.04	-.02	.01	-.02	.17	-.04	-.03	.33
FACTOR 3: O1;F2 NUMERICAL FACILITY .....N; ORDER 1											
4 +NUMROPER NUMERICAL OPER'NS (ASVAB)	.45	.02	.64	.01	.03	-.01	.01	.09	-.01	.01	.62
5 +ARTHREAS ARITH REAS (ASVAB) .....	.26	-.02	.51	-.004	.405	.27	.01	.03	.02	-.01	.56
6 +MATHKNOL MATH KNOWLEDGE (ASVAB) ..	.32	-.06	.43	.014	.435	.23	-.02	.17	-.02	.21	.59
7 +GENLREAS ARITH APT. PT I (ETS KIT	.33	.02	.34	-.12	.29	.16	-.01	.26	.03	.20	.46
8 +ATTNDETL ATEN.DETAIL (ASVAB) ...	.18	-.03	.29	-.04	-.12	-.11	.02	.12	.08	.02	.16
FACTOR 4: O1;F6 VISUALIZATION .....VZ; ORDER 1											
9 +SPACPERC SPACE PERCEP'N (ASVAB) ..	.15	-.09	.04	.46	.25	.01	.02	-.02	.00	-.01	.31
10 +MECHCOMP MECH'L COMPREH (ASVAB) .	.35	-.00	-.00	.384	.505	.014	.305	.20	.05	.04	.65
FACTOR 5: O2;F2 CRYSTALLIZED INTELL. ....2C; ORDER 2											
FACTOR 6: O1;F3 VERBAL ABILITY .....V; ORDER 1											
11 +WORDKNOL WORD KNOWLEDGE (ASVAB) .4	.3154	.385	.02	-.03	.50	.48	-.01	.03	-.01	-.19	.76
12 +GENLSCIE GENERAL SCIENCE (ASVAB)	.19	.14	-.02	.07	.56	.35	.07	.08	-.01	-.01	.50
13 +GENLINFO GEN'L INFO (ASVAB) .....	.23	.20	.02	.03	.37	.21	.16	.12	.10	-.14	.34
14 +TOLRAMBQ TOLERANCE OF AMBIGUITY .	-.02	.01	.01	-.04	.12	.11	-.00	-.05	-.06	.00	.04
FACTOR 7: O1;F1 TECHNICAL INFO. ....MK; ORDER 1											
15 +AUTOINFO AUTOMOTIVE INFO (ASVAB)	.21	.00	-.00	-.01	.40	-.11	.61	.17	.02	-.02	.62
16 +SHOPINFO SHOP INFO (ASVAB) .....	.13	.01	.02	.10	.41	-.02	.50	-.02	-.03	-.15	.47
17 +ELECINFO ELECTRONICS INFO (ASVAB)	.22	-.00	-.04	.15	.56	.11	.31	.13	-.07	.11	.53
FACTOR 8: O2;F3 COG.STYLE (PROB.SOLVING) .2*; ORDER 2											
FACTOR 9: O1;F7 CATEG.WIDTH/NON-IMPULSIVE.CY; ORDER 1											
18 +CATEWIDH CATEGORY WIDTH SCALE ...	.11	.00	.02	-.01	.03	.01	.01	.37	.39	.02	.30
19 -COGCOMPEX ROLE CONSTRUCT REPERTORY	-.13	-.01	.03	-.28	.09	.18	-.02	.21	.32	-.02	.29
20 -REFLIMPL IMPULSIVITY SCALE13	-.01	.02	-.29	.05	-.18	.27	-.05	-.504	.335	.57

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(CONTINUED)

V#	1	2	3	4	5	6	7	8	9	10	H^2
FACTOR 10: O1;F5 CLOSURE FLEXIBILITYCF; ORDER 1											
21 +FILDINDP HIDDEN FIGURES PT 1 ....	.13	-.17	.01	.00	.27	.00	.02	.29	-.03	.43	.39
22 +INDUCTON FIG CLASS'N I (ETS KIT).	.26	.03	-.00	.02	.04	-.03	-.08	.30	.04	.26	.23
23 +CONCSTYL OBJECT SORTING .....	.11	-.01	.03	-.11	.08	.01	-.00	.07	-.16	.23	.11
24 +LOGIREAS NONSENSE SYLLOG (ETS KIT	.17	.01	.14	-.12	.19	.04	.13	.12	-.05	.12	.15
SMSQ:	1.60	.61	1.11	.69	2.35	.78	.96	.77	.59	.63	10.09

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

HF # 1ST-ORD FACTOR	1	5	8	H^2
FACTOR 1: O2;F1 FLUID INTELLIGENCE .....2F; ORDER 2				
HF 2 O1;F4 IDEATIONAL FLUENCY .....FI	.75	-.024	.395	.72
HF 3 O1;F2 NUMERICAL FACILITY .....N	.54	.04	.10	.30
HF 4 O1;F6 VISUALIZATION .....VZ	.444	.385	.07	.35
FACTOR 5: O2;F2 CRYSTALLIZED INTELL. ....2C; ORDER 2				
HF 6 O1;F3 VERBAL ABILITY .....V	-.09	.80	-.06	.65
HF 7 O1;F1 TECHNICAL INFO. ....MK	.24	.65	.19	.51
FACTOR 8: O2;F3 COG.STYLE (PROB.SOLVING) .2*; ORDER 2				
HF 9 O1;F7 CATEG.WIDTH/NON-IMPULSIVE.CY	.14	.01	.65	.45
HF10 O1;F5 CLOSURE FLEXIBILITY .....CF4	.4854	.335	.58	.67
SMSQ:	1.36	1.31	.96	3.64