

DAVIDSON

DAVIDSON WA / CARROLL JB
SPEED AND LEVEL COMPONENTS IN TIME LIMIT SCORES:
A FACTOR ANALYSIS.
EDUC & PSYCHOL MEAST 1945 5 411-427.
PEARSON R'S; WITH 8 EXTENSION VARIABLES. UNDERGRAD PSYCHOL STUDENTS.

N=91

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

V#	1	2	3	4	5	H^2
FACTOR 1: O2;F1 CRYSTALLIZED INTELL.? ....2C; ORDER 2 .						
FACTOR 2: O1;F1 VERBAL ABILITY (SPEED) ....V; ORDER 1						
1 +#7 COMMON SENSE (SPEED) .....	.80	.28	-.06	.01	.03	.72
2 +30 SAME-OPPOSITE (1') .....	.67	.26	.06	-.27	-.19	.64
3 +#8 SAME-OPPOSITE (SPEED) .....	.67	.24	-.05	-.05	.01	.52
4 +33 VERBAL ANALOGIES (2') EXT	.74	.24	.03	-.01	.14	.63
5 +11 VERBAL ANALOGIES (SPEED) .....	.71	.21	.07	.04	.10	.57
6 +#9 DISARRANGED SENTENCES (SPEED)	.65	.20	.09	-.05	.03	.48
7 +35 SPEED OF READING .....	.62	.19	-.01	.09	-.19	.46
8 +12 DIRECTIONS (SPEED) .....	.71	.17	.21	.07	.26	.66
9 +34 DIRECTIONS (3') .....	.68	.14	.28	.11	-.10	.59
FACTOR 3: O1;F2 VERBAL REASONING (SPEED) .RG; ORDER 1						
10 +23 DISARRANGED MORPHEMES (LEVEL)	.45	-.02	.66	.114	-.335	.76
11 +20 NUMBER SERIES (LEVEL) .....	.50	.03	.61	-.074	.345	.74
12 +22 DIRECTIONS (LEVEL) .....	.44	.02	.57	-.05	.02	.52
13 +36 DISARRANGED MORPHEMES (8') EXT	.54	.02	.56	.204	-.355	.76
14 +38 LETTER GROUPING (8') .....	.44	.01	.50	.11	-.12	.47
15 +25 LETTER GROUPING (LEVEL) .....	.33	-.01	.49	.04	-.05	.35
16 +28 ARITHMETIC REASONING (4') EXT	.39	-.02	.46	.24	.23	.47
17 +16 ARITHMETIC REASONING (LEVEL) .	.36	-.04	.434	.355	.14	.46
18 +27 ARITHMETIC REASONING (2') EXT	.50	-.00	.434	.425	.05	.61
19 +21 VERBAL ANALOGIES (LEVEL) .....	.34	.08	.31	-.24	.01	.27
20 +24 PHRASE COMPLETION (LEVEL) .....	.12	-.04	.29	.10	-.07	.11
21 +18 SAME-OPPOSITE (LEVEL) .....	.42	.10	.26	-.11	-.21	.31
FACTOR 4: O1;F4 SPEED OF REASONING .....RE; ORDER 1						
22 +#6 ARITHMETIC REASONING (SPEED) .	.35	.02	.03	.54	.09	.42
23 +14 LETTER GROUPING (SPEED) .....	.35	.04	.01	.44	-.14	.34
24 +13 DISARRANGED MORPHEMES (SPEED).	.53	.05	.29	.394	-.395	.67
FACTOR 5: O1;F3 NUMERICAL FACILITY (SPEED).N; ORDER 1						
25 +10 NUMBER SERIES (SPEED) .....	.60	.16	.06	.11	.45	.61
26 +#5 ADDITION (SPEED) .....	.34	.12	-.09	.07	.45	.34
27 +32 NUMBER SERIES (2 1/2') ... EXT	.60	.114	.405	-.05	.44	.72
SMSQ: 7.83 .52 3.16 1.26 1.44 14.22						

