

Snow21

SNOW RE/MARSHALEK B/LOHMAN DF
CORRELATION OF SELECTED COGNITIVE ABILITIES
AND COGNITIVE PROCESSING PARAMETERS: AN EXPLORATORY STUDY
STANFORD CA: STANFORD U SCHL EDUC/APTITUDE RESEARCH PROJECT DEC 1976
PEARSON R'S SELECTED VARIABLES TABLE 7 P.18
S'S (STUDENTS) WHO HAD BEEN IN CHIANG-ATKINSON STUDY

N=25

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

V#	1	2	3	4	5	6	7	8	H^2
FACTOR 1: O2;F1 BROAD VISUAL PERCEPTION ..2V; ORDER 2									
FACTOR 2: O1;F5 PERCEPTUAL INTEGRATION ...PI; ORDER 1									
1 +#7 F5: PERCEPTUAL INTEGRATION ...	.27	.474	-.345	-.02	-.07	.04	.01	-.02	.42
2 +12 RAVEN TIME .....	.26	.27	-.14	.20	-.27	-.25	-.01	.05	.34
FACTOR 3: O1;F1 MEMORY SPAN/REGISTRATION..MS; ORDER 1									
3 +#6 F4: VISUAL MEMORY SPAN .....	.65	.01	.57	-.14	-.05	-.01	.00	-.14	.79
4 +21 DIGIT SPAN/TOTAL CORRECT .....	.66	.00	.56	-.06	.08	.04	.00	.00	.76
5 +13 MATCHING FAM.FIGS./TIME .....	.45	.11	.35	.06	-.07	-.03	-.194	.385	.53
FACTOR 4: O1;F6 PERCEPT'L INTEGRAT'N(ALT).PI; ORDER 1									

6 + #5 F3: ('PERCEPTION?')14 -.02 .01 .56 .11 -.24 .014 .545 .69
7 + #2 SHORT-TERM VISUAL MEMORY: F2 . .434 .415 .00 -.54 -.04 -.03 .19 -.01 .67

FACTOR 5: O2;F2 BROAD SPEEDINESS2S; ORDER 2

FACTOR 6: O1;F3 MENTAL COMPARISON SPEED...R7; ORDER 1

8 + #10 AVERAGE INTERCEPT4 -.385 -.02 -.22 -.03 .28 .644 -.365 .02 .82
9 + #3 F1: 'SPACE?'12 -.00 -.01 .06 .61 .52 .01 .03 .66

FACTOR 7: O1;F4 UNINTERPRETEDI0; ORDER 1

10 + #4 F2: (RAVEN; WORD TRANS.)05 -.04 -.02 -.15 .22 -.26 .46 .05 .36
11 + #1 SHORT-TERM VISUAL MEMORY: F1.. .05 .04 -.25 .21 .40 -.02 .36 -.04 .39

FACTOR 8: O1;F2 GEN'L COGNITIVE ABIL.....1G; ORDER 1

12 + #8 SAT-VERBAL -.10 .00 .01 -.06 .30 .06 -.00 .71 .61
13 + #11 AVERAGE SLOPE -.24 .01 -.02 .01 -.08 -.03 -.26 .70 .62
14 + #9 SAT-QUANTITATIVE4 .385 .21 .01 .03 .35 -.00 .19 .43 .54

SMSQ: 1.79 .52 1.00 .74 .98 .88 .65 1.65 8.21

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