

MICH 62

MICHAEL WB/ZIMMERMAN WS/GUILFORD JP - FEMALE GROUP
AN INVESTIGATION OF THE NATURE OF THE SPATIAL-RELATIONS AND
VISUALIZATION FACTORS IN TWO HIGH SCHOOL SAMPLES
EDUC & PSYCHOL MEAST 1951 11 561-577 - TABLE 4 P.569
FEMALES GR 12; MDN AGE 16;11(15-20)

N=139

*** 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;F1 VISUALIZATION .....VZ; ORDER 1						
1	+14 CUBES [SPEED] .....	.57	.53	-.15	-.02	-.05	.63
2	+1 [11] FORM BOARD [POWER].....	.64	.45	.05	-.12	.19	.67
3	+6 SPATIAL VISUALIZATION [POWER]..	.60	.42	.08	-.04	-.10	.55
4	+5 SPATIAL ORIENTATION [SPEED]...	.49	.41	-.14	.09	.02	.44
5	+10 REASONING [POWER] .....	.64	.40	.03	.26	-.16	.66
6	+12 PUNCHED HOLES [POWER] .....	.55	.33	.06	-.00	.16	.44
7	+15 SPATIAL RELATIONS [POWER?]....	.45	.27	.08	.03	.02	.28
8	+9 SPACE (FLAGS; CARDS; FIGURES)..	.49	.26	.10	-.094	.315	.42
9	+13 IDENTICAL FORMS .....	.45	.22	.02	.13	.26	.33
	FACTOR 3: O1;F2 VERBAL ABILITY .....V; ORDER 1						
10	+8 VERBAL MEANING .....	.59	-.00	.65	.08	.03	.77
11	+1 VERBAL COMPREHENSION .....	.53	.04	.60	-.04	-.04	.65
12	+2 GENERAL REASONING [POWER].....	.50	.15	.22	.23	-.00	.37
	FACTOR 4: O1;F3 NUMERICAL FACILITY .....N; ORDER 1						
13	+3 NUMERICAL OPERATIONS .....	.35	-.05	.01	.83	.12	.83
14	+7 NUMBER.....	.41	.08	.04	.63	-.04	.58
	FACTOR 5: O1;F4 PERCEPTUAL SPEED .....P; ORDER 1						
15	+4 PERCEPTUAL SPEED .....	.23	.04	-.06	.07	.68	.53
	SMSQ: 3.93 1.32 .90 1.27 .75 8.17						

*** 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;F1 VISUALIZATION .....VZ	.81	.65
HF 3	O1;F2 VERBAL ABILITY .....V	.65	.42
HF 4	O1;F3 NUMERICAL FACILITY .....N	.42	.17
HF 5	O1;F4 PERCEPTUAL SPEED .....P	.27	.07