

MICH51

MICHAEL WB/ZIMMERMAN WS/GUILFORD JP
 AN INVESTIGATION OF TWO HYPOTHESES REGARDING THE NATURE OF
 THE SPATIAL-RELATIONS AND VISUALIZATION FACTORS
 EDUC & PSYCHOL MEAST 1950 10 187-213 - TABLE 2 P. 201
 INTRO PSYCHOL STUDENTS RUTGERS - MDN AGE 22 - 54% WW II VETS

N=360

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

V#	1	2	3	4	5	H^2
FACTOR 1: O2;F1 BROAD VISUAL PERCEPTION ..2V; ORDER 2						
FACTOR 2: O1;F1 VISUALIZATION .....VZ; ORDER 1						
1 +12 PUNCHED HOLES .....	.54	.45	-.02	-.12	.03	.51
2 +#5 SPATIAL ORIENTATION .....	.55	.43	-.01	-.00	-.06	.49
3 +11 SPATIAL VISUALIZATION .....	.60	.43	.05	.11	-.10	.58
4 +10 FLAGS .....	.43	.36	-.01	-.13	.14	.36
5 +14 FORM BOARD .....	.58	.35	.15	.03	-.08	.49
6 +#7 NUMBER SERIES .....	.35	.34	-.09	.054	.455	.45
7 +13 PATTERN ANALOGIES .....	.38	.33	-.04	-.05	-.01	.26
8 +#2 GENERAL REASONING .....	.32	.32	-.10	.154	.335	.35
9 +#9 CUBES .....	.46	.30	.09	.00	.10	.32
FACTOR 3: O1;F3 PERCEPTUAL SPEED .....P; ORDER 1						
10 +#4 PERCEPTUAL SPEED .....	.48	.00	.56	-.00	.03	.54
11 +#8 IDENTICAL FORMS .....	.50	.06	.49	.01	.03	.49
FACTOR 4: O1;F2 VERBAL ABILITY .....V; ORDER 1						
12 +#1 VERBAL COMPREHENSION .....	.05	-.02	-.02	.83	.08	.71
13 +#6 VERBAL COMPLETION .....	.35	.19	.05	.51	-.08	.42
FACTOR 5: O1;F4 NUMERICAL FACILITY .....N; ORDER 1						
14 +#3 NUMERICAL OPERATIONS .....	.08	-.00	.14	-.05	.67	.48
SMSQ: 2.66 1.30 .63 1.03 .83 6.45						

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

HF # 1ST-ORD FACTOR	1	H^2
FACTOR 1: O2;F1 BROAD VISUAL PERCEPTION ..2V; ORDER 2		
HF 2 O1;F1 VISUALIZATION .....VZ	.78	.62
HF 3 O1;F3 PERCEPTUAL SPEED .....P	.65	.43
HF 4 O1;F2 VERBAL ABILITY .....V	.12	.02
HF 5 O1;F4 NUMERICAL FACILITY .....N	-.04	.00
SMSQ: 1.06 1.06		