

SEIB 01
~~SEIB 02~~

SEIBERT WF/REID JC
STUDIES IN CINE-PSYCHOMETRY II- CONTINUED FACTORING OF
AUDIO AND VISUAL COGNITION AND MEMORY. LAFAYETTE IN- PURDUE UNIV.
AUDIO VISUAL CENTER 1967. (ERIC MICROFICHE ED-019877)
PEARSON R'S APPENDIX C - FOR STUDY B
M & F PURDUE UNIVERSITY STUDENTS

N=159

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

V#	1	2	3	4	5	6	7	8	9	10	H^2
FACTOR 1: O2;F1 BROAD MEMORY ABILITY .....2Y; ORDER 2											
FACTOR 2: O1;F2 PERCEPTUAL INTEGRATION....PI; ORDER 1											
1 +#4 SUCCESSIVE PERCEPTION IV .....	.62	.52	-.01	-.13	.02	.04	.00	-.01	.00	.05	.68
2 +#5 PICTURE IDENTIFICATION .....	.53	.50	-.13	-.01	-.16	-.02	-.03	.034	.345	-.01	.69
3 +#3 SUCCESSIVE PERCEPTION III ....	.59	.47	-.00	.01	-.03	-.01	-.15	-.02	.03	-.05	.61
4 +19 GESTALT COMPLETION .....	.50	.37	.03	.01	.01	-.20	.05	.09	-.03	-.27	.52
FACTOR 3: O1;F1 SHORT-TERM MEMORY?.....M0; ORDER 1											
5 +#6 SHORT-TERM COLOR MEMORY I ....	.29	-.07	.70	-.12	.00	.01	-.03	.24	.04	-.01	.65
6 +#2 SHORT-TERM OBJECT MEMORY II ..	.43	-.02	.67	.02	-.00	.00	.02	-.024	.325	-.22	.79
7 +#7 SHORT-TERM COLOR MEMORY II ...	.35	.00	.66	.00	-.10	-.01	-.00	.22	-.034	.385	.76

8 +#1 SHORT-TERM OBJECT MEMORY I39 .02 .57 -.02 .02 -.01 -.12 .03 .194 -.325 .64

FACTOR 4: O1;F8 MEANINGFUL MEMORYMM; ORDER 1

9 +21 SOCIAL ABSTRACTS PART I38 -.01 -.00 .70 .01 -.00 -.03 -.01 .01 -.01 .63
10 +23 SOCIAL ABSTRACTS PART III10 -.07 .09 .42 -.09 -.14 -.11 .13 .03 .17 .29
11 +22 SOCIAL ABSTRACTS PART II34 .03 .15 .38 -.02 .01 .03 -.00 -.04 .08 .29

FACTOR 5: O1;F3 FILM SEQUENCE MEMORY?.....M0; ORDER 1

12 +10 FILM SEQUENCE MEMORY A (B?) .. .37 -.02 -.02 .01 .83 .03 -.01 .01 -.13 .01 .85
13 +11 FILM SEQUENCE MEMORY B (A?) .. .35 .02 .03 -.11 .74 -.04 .01 .11 -.00 -.02 .69

FACTOR 6: O1;F4 ASSOCIATIVE MEMORYMA; ORDER 1

14 +15 POSITION RECALL I20 -.00 -.03 .00 .03 .65 .00 -.04 .01 -.19 .51
15 +20 FIRST & LAST NAMES12 -.07 .03 .00 -.05 .62 .10 .14 -.02 -.01 .43
16 +14 COLOR FORM RECOGNITION21 -.00 .02 .12 .00 .53 -.00 .04 -.27 .00 .41
17 +16 POSITION RECALL II19 .01 -.11 .20 .03 .38 .01 .03 .02 .10 .25

FACTOR 7: O1;F5 LEXICAL KNOWLEDGEVL; ORDER 1

18 +13 VOCABULARY (ADVANCED?)17 .00 .02 -.01 -.00 .00 .84 -.03 .17 -.00 .76
19 +12 VOCABULARY (WIDE RANGE?)12 .00 -.03 .00 .00 -.01 .80 .04 .02 .12 .68

FACTOR 8: O1;F7 MEMORY SPANMS; ORDER 1

20 +17 PICTURE MEMORY SPAN07 -.01 -.03 -.03 .01 .01 .01 .92 .02 .02 .85
21 +18 DIGIT SPAN VISUAL10 .00 .03 .05 -.11 .01 .20 .55 -.03 -.03 .36

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(CONTINUED)

V#	1	2	3	4	5	6	7	8	9	10	H^2
FACTOR 9: O1;F6 SHORT-TERM VIS.MEMORYM0; ORDER 1											
22 +#8 SHORT-TERM VISUAL MEMORY II ..	.38	.004	.505	.03	-.01	.01	-.13	.06	.85	.01	1.14
23 +#9 SHORT-TERM VISUAL MEMORY III .	.40	.074	.425	-.04	.00	.09	.00	-.05	.59	.00	.70
FACTOR 10: O1;F9 VIEWING CONDITIONS .....S0; ORDER 1											
24 -25 VIEWING DISTANCE .....	.21	.13	.01	.10	.01	-.01	-.01	-.02	.12	.50	.34
25 +24 VIEWING ANGLE	-.03	-.19	.18	.19	.02	.01	.03	-.00	.15	.39	.28
SMSQ:	2.90	.95	2.22	.96	1.30	1.31	1.47	1.32	1.48	.87	14.78

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

HF # 1ST-ORD FACTOR 1 H^2

FACTOR 1: O2;F1 BROAD MEMORY ABILITY2Y; ORDER 2

HF 2	O1;F2 PERCEPTUAL INTEGRATION....PI	.80	.64
HF 3	O1;F1 SHORT-TERM MEMORY?.....M0	.52	.27
HF 4	O1;F8 MEANINGFUL MEMORY .....MM	.50	.25
HF 5	O1;F3 FILM SEQUENCE MEMORY?.....M0	.44	.19
HF 6	O1;F4 ASSOCIATIVE MEMORY .....MA	.28	.08
HF 7	O1;F5 LEXICAL KNOWLEDGE .....VL	.17	.03
HF 8	O1;F7 MEMORY SPAN .....MS	.11	.01
HF 9	O1;F6 SHORT-TERM VIS.MEMORY ....M0	.09	.01
HF10	O1;F9 VIEWING CONDITIONS .....S0	-.07	.01

SMSQ: 1.49 1.49
