

GUIL II

A FACTOR-ANALYTIC STUDY OF PLANNING
 L.A.- REPORTS FM THE PSYCHOL LAB USC NO.12 (1955)
 PEARSON R'S TABLE 3 PP. 8-9
 MALE AIRCREW TRAINEES MEAN AGE 20.75(1.54)

N=364

(CONTINUED)

V#	1	2	3	4	5	6	7	8	H^2
FACTOR 5: O1;F4 FIGURAL FLEXIBILITY .....FX; ORDER 1									
36 +17 MATCH PROBLEMS II .....	.30	.02	-.01	.03	.58	.01	-.09	.13	.44
37 +46 MATCH PROBLEMS .....	.33	.04	.01	-.02	.54	.01	.04	.03	.40
38 +12 ROUTE PLANNING .....	.32	.04	.01	-.04	.52	-.02	.07	.03	.38
39 +34 PLANNING A CIRCUIT .....	.19	-.03	.04	.09	.44	.07	.02	-.10	.26
40 +33 PLANNING AIR MANEUVERS .....	.30	.11	-.00	-.08	.33	-.11	.05	.01	.23
41 +#9 COMPETITIVE PLANNING .....	.26	.07	-.13	.03	.26	.03	.08	.19	.20
42 +10 SYMBOL GROUPING .....	.10	-.01	-.11	.06	.18	.11	-.02	.14	.09
FACTOR 6: O1;F7 UNINTERPRETED .....I0; ORDER 1									
43 +21 PICTURE ARRANGEMENT .....	.34	.02	.02	-.00	.24	.51	.02	-.04	.44
44 +50 MECHANICAL PRINCIPLES .....	.28	.27	-.08	.01	.20	-.52	.054	-.505	.71
FACTOR 7: O1;F6 ORIGINALITY .....FO; ORDER 1									
45 +18 SYMBOL PRODUCTION .....	.31	-.00	.05	.29	.07	-.05	.47	-.05	.41
46 +#2 SEEING TRENDS .....	.44	.10	.08	.17	.01	-.07	.30	.03	.33
47 +#6 SERIES .....	.39	.14	-.10	.07	.10	.05	.26	-.04	.27
48 +19 LINE DRAWING .....	.16	.02	.11	-.05	-.05	.07	.23	.02	.10
49 +20 TEMPORAL ORDERING .....	.45	.06	.20	.05	.15	.08	.21	.05	.32
FACTOR 8: O1;F5 NUMERICAL FACILITY .....N; ORDER 1									
50 +52 NUMERICAL OPERATIONS .....	.23	-.02	.04	.05	.02	-.01	.03	.72	.58
51 +47 SIGN CHANGES .....	.23	.01	-.01	.02	.01	-.02	.26	.44	.31
52 +39 ARITHMETIC REASONING .....	.51	.18	.10	-.02	.07	-.14	-.01	.32	.43
SMSQ: 6.72 .63 1.81 4.14 1.69 .92 .83 1.47 18.20									

GUILFORD JP/BERGER RM/CHRISTENSEN PR

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*** 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;F2 SEQUENTIAL REASONING .....RG	.90	.82
HF 3	O1;F3 VERBAL ABILITY .....V	.55	.30
HF 4	O1;F1 SENSITIVITY TO PROBLEMS ..SP	.43	.19
HF 5	O1;F4 FIGURAL FLEXIBILITY .....FX	.39	.15
HF 6	O1;F7 UNINTERPRETED .....IO	.35	.12
HF 7	O1;F6 ORIGINALITY .....FO	.30	.09
HF 8	O1;F5 NUMERICAL FACILITY .....N	.28	.08
	SMSQ: 1.75	1.75	