

DETTØØ

DETERMAN DK
UNPUBLISHED STUDY AT AIR FORCE HUMAN RESOURCES LAB 1985
AF RECRUITS - PEARSON R MATRIX SUPPLIED BY AUTHOR

N=502

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

V#	1	2	3	4	5	6	7	8	9	10	H^2	
FACTOR 1: O2;F1 GEN.INFO.PROC'G ACCURACY..22; ORDER 2												
FACTOR 2: O1;F2 UNINTERPRETED .....I0; ORDER 1												
1 +27	TTNURD # CORRECT DIFF RESP'S	.32	.28	-.12	-.12	-.03	.22	.07	.01	-.01	.19	.30
2 +23	TTMDTH MEDIAN THRESHOLD UNITS	.26	.25	-.20	.01	.02	.23	.03	.01	.03	.11	.24
3 +26	TTNURS # CORRECT SAME RESP'S	.34	.21	-.01	-.01	.08	.11	.03	-.02	-.17	.14	.24
4 -#3	LRPCAL PROP CORRECT ALL TRIALS	.53	.21	.29	-.01	.04	.12	.01	.01	-.15	.03	.44
5 -20	SPPRCO PROP RESP CORR ALL ....	.41	.21	.02	.21	.014	.425	.16	.10	-.00	-.01	.47
6 +31	TDNURD # CORRECT DIFF RESP'S	.07	.20	-.22	-.11	.00	.27	-.00	.12	.23	.01	.24
7 -16	RCNCOR PROP CORRECT RESPONSES	.41	.20	.01	.29	.13	.19	-.03	-.03	-.02	-.01	.35
8 +28	TDMDTH MEDIAN THRESHOLD UNITS	.21	.18	-.11	.16	.11	.19	-.00	-.11	.26	-.01	.24
9 -#5	RLSMAT JACKS#TRIALS CORR EARLY	.21	.17	-.00	-.15	-.02	.10	-.04	.05	-.10	-.15	.14
10 -#1	FAC (A DEPENDENT VARIABLE?) ..	.42	.16	.20	.08	-.06	.10	-.03	-.02	.02	-.02	.26
FACTOR 3: O1;F4 CHOICE REACTION TIME .....R2; ORDER 1												
11 +#6	RTDT MEAN DECIS'N TIME ALLTRLS	.25	-.00	.51	-.01	.00	.19	.02	.144	.355	-.18	.54
12 +17	RCMNDT MEAN DT ALL TRIALS ....	.26	.02	.43	-.00	.01	-.06	-.18	.034	.345	-.03	.40
13 +#2	LRRTALL MEAN RT ALL TRIALS ...	.23	.00	.33	.03	.10	-.18	-.10	-.14	.01	.05	.23
14 +#7	RTMTIN INTERCEPT MT ALL TRIALS	.22	.08	.25	.00	.20	.22	.06	.10	.13	-.04	.24
15 +#4	LRPCOR JACKS CORR'D P CORRECT	.25	.05	.20	.06	-.01	.02	.06	-.08	-.03	.07	.12
FACTOR 4: O1;F8 SPECIAL RT FACTOR .....R*; ORDER 1												
16 +18	RCSDMT SD MT ALL TRIALS .....	.17	-.01	-.01	.50	.21	.19	.03	.02	.02	.01	.36
17 +11	SDMNDT MEAN DT ALL TRIALS ....	.35	.01	.22	.45	-.02	.18	-.02	.14	.11	.09	.45
FACTOR 5: O1;F3 LIMB MOVEMENT SPEED .....R3; ORDER 1												
18 +25	TTMNMt MEAN MT ALL TRIALS	-.16	-.02	.01	.02	.83	.07	-.00	.01	-.01	.03	.72
19 +30	TDMNMt MEAN MT ALL TRIALS	-.16	.00	-.01	-.03	.63	.04	-.07	-.02	.19	-.04	.47
20 +12	SDMCMT MEAN MT CORRECT TRIALS	-.05	.02	-.08	.07	.37	.20	.08	.10	.04	.10	.21
21 +15	STSCPM SLOPE MT CORR PRES TRLS	.05	.05	-.12	.15	.18	.08	-.02	.06	-.04	.16	.11
FACTOR 6: O2;F2 RAPID LEARNING .....2L; ORDER 2												
FACTOR 7: O1;F1 LOW STUDY TIME SP TASK ...L0; ORDER 1												
22 -19	SPMNST MEAN STUDY TIME ALL POS	-.07	-.02	-.00	.00	-.00	.56	.69	-.01	-.01	.04	.79
23 -21	SPMNSTP7 MEAN STUDY TIME POS 7	.02	.03	.15	-.12	.11	.45	.62	-.14	.01	-.04	.66
24 -22	SPMNRTP1 MEAN RT POSITION 1 ..	-.18	-.05	-.18	.12	.01	.38	.41	.02	.01	-.02	.40

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(CONTINUED)

V#		1	2	3	4	5	6	7	8	9	10	H^2
	FACTOR 8: O1;F6 FAST LEARN'G STERNBG TSK .L0; ORDER 1											
25	+13 STMNTT MEAN TRIAL TIME ALLTRLS	.12	.02	-.00	.03	-.01	.35	.01	.67	-.004	.495	.83
26	+14 STICAD INTERC DT CORR ABS TRLS	.05	-.02	.18	-.03	.01	.26	-.00	.42	.13	.01	.30
	FACTOR 9: O1;F7 SPECIAL RT FACTOR .....R*; ORDER 1											
27	+29 TDSDDT SD DT ALL TRIALS	.06	.10	-.00	.02	.00	.22	.00	-.01	.63	.05	.46
28	+24 TMNDT MEAN DT ALL TRIALS	.15	-.00	.26	.004	-.355	.06	-.10	.09	.56	-.00	.55
	FACTOR 10: O1;F5 SPECIAL RT FACTOR .....R*; ORDER 1											
29	+8 PRSDTT SD TRIAL TIME ALLTRLS	.10	.00	.01	-.03	.01	-.05	-.01	.18	.02	.77	.64
30	+9 PRSDRT SD RT ALL TRIALS	.09	-.02	.20	-.14	-.01	-.17	-.01	-.00	.15	.61	.50
31	-10 PRPCP6 PROP CORRECT POS'N 6 ..	.10	.05	-.02	.01	.02	.09	.00	.14	-.02	.20	.08
	SMSQ:	1.77	.48	1.16	.75	1.53	1.65	1.14	.84	1.25	1.44	12.00

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

HF #	1ST-ORD FACTOR	1	6	H^2	
	FACTOR 1: O2;F1 GEN.INFO.PROC'G ACCURACY..22; ORDER 2				
HF 2	O1;F2 UNINTERPRETED	.10	.774	.395	.74
HF 3	O1;F4 CHOICE REACTION TIME	.R2	.56	-.05	.31
HF 4	O1;F6 SPECIAL RT FACTOR	.....R*	.40	.22	.21
HF 5	O1;F3 LIMB MOVEMENT SPEED	.....R3	-.18	.10	.04
	FACTOR 6: O2;F2 RAPID LEARNING .....2L; ORDER 2				
HF 7	O1;F1 LOW STUDY TIME SP TASK	...L0	-.05	.65	.42
HF 8	O1;F6 FAST LEARN'G STERNBG TSK	.L0	.01	.54	.29
HF 9	O1;F7 SPECIAL RT FACTOR	.....R*	-.17	.23	.08
HF10	O1;F5 SPECIAL RT FACTOR	.....R*	.12	-.21	.06
	SMSQ:	1.13	1.03	2.16	